New Jersey ACCUTEST LABORATORIES

09/18/14



Technical Report for

Langan Engineering & Environmental

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

100287501

Accutest Job Number: JB69534

Sampling Dates: 06/16/14 - 06/17/14

Report to:

Langan Engineering & Environmental

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Total number of pages in report: **1336**

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: JB69534

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JB69534-1	06/16/14	13:35	CBM	06/17/14	SO	Soil	363-PE-99
JB69534-1D	06/16/14	13:35	CBM	06/17/14	SO	Soil Dup/MSD	363-PE-99 MSD
JB69534-1S	06/16/14	13:35	CBM	06/17/14	SO	Soil Matrix Spike	363-PE-99 MS
JB69534-2	06/16/14	14:00	CBM	06/17/14	SO	Soil	364-PE-98
JB69534-3	06/16/14	15:10	CBM	06/17/14	SO	Soil	365-PE-95
JB69534-4	06/16/14	15:15	CBM	06/17/14	SO	Soil	366-PE-96
JB69534-5	06/16/14	15:20	CBM	06/17/14	SO	Soil	367-PE-97
JB69534-6	06/17/14	07:35	CBM	06/17/14	AQ	Field Blank Soil	368-FB-15
JB69534-7	06/17/14	07:55	CBM	06/17/14	AQ	Trip Blank Soil	369-TB-14
JB69534-8	06/17/14	07:45	CBM	06/17/14	SO	Soil	370-PE-108
JB69534-9	06/17/14	07:50	CBM	06/17/14	SO	Soil	371-PE-109
JB69534-10	06/17/14	07:55	CBM	06/17/14	SO	Soil	372-PE-110

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB69534
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	7/7/2014 6:27:11 PM

On 06/17/2014, 8 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB69534 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:** V4V382

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69628-4MS, JB69628-4MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** V3C4998

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB69534-1MS, JB69534-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75872

- All samples were extracted within the recommended method holding time.
- Sample(s) JB69524-1MS, JB69524-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP75872-BS13: did not provided.

Matrix: SO **Batch ID:** OP75766

- All samples were extracted within the recommended method holding time.
- Sample(s) JB69534-1MS, JB69534-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP80187

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69451-6FMS, JB69451-6FMSD, JB69451-6FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Aluminum, Cadmium, Chromium, Cobalt, Nickel, Selenium, Silver, Vanadium are outside control limits for sample MP80187-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP80244

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69534-1MS, JB69534-1MSD, JB69534-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Iron are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Iron, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Lead are outside control limits for sample MP80244-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Zinc are outside control limits for sample MP80244-SD1. High rpd due to possible sample nonhomogeneity.
- MP80244-SD1 for Arsenic: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80244-SD1 for Cadmium: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80244-SD1 for Thallium: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80244-SD1 for Silver: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80244-SD1 for Antimony: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80244-SD1 for Selenium: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP80286

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69560-15MS, JB69560-15MSD were used as the QC samples for metals.
- RPD(s) for MSD for Mercury are outside control limits for sample MP80286-S2. Spike recovery indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix: SO **Batch ID:** MP80262

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69534-1MS, JB69534-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO **Batch ID:** GN6909

- 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: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB69534-1	**363-PE-99**					
Acetone		0.0134	0.0091	0.0041	mg/kg	SW846 8260C
Carbon disulfide		0.00028 J	0.0045	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.00065 J	0.0045	0.00015	mg/kg	SW846 8260C
Acenaphthene		0.0167 J	0.036	0.011	mg/kg	SW846 8270D
Anthracene		0.0185 J	0.036	0.013	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0661	0.036	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0685	0.036	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0763	0.036	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0453	0.036	0.014	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0285 J	0.036	0.014	mg/kg	SW846 8270D
Chrysene		0.0751	0.036	0.012	mg/kg	SW846 8270D
Fluoranthene		0.131	0.036	0.016	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0359 J	0.036	0.013	mg/kg	SW846 8270D
Phenanthrene		0.0746	0.036	0.017	mg/kg	SW846 8270D
Pyrene		0.128	0.036	0.014	mg/kg	SW846 8270D
Aluminum		6360	50	1.3	mg/kg	SW846 6010C
Arsenic		2.5	2.0	0.29	mg/kg	SW846 6010C
Barium		69.3	20	0.081	mg/kg	SW846 6010C
Beryllium		0.70	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.13 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		6790	500	3.1	mg/kg	SW846 6010C
Chromium		17.2	1.0	0.071	mg/kg	SW846 6010C
Cobalt		6.0	5.0	0.060	mg/kg	SW846 6010C
Copper		12.0	2.5	0.15	mg/kg	SW846 6010C
Iron		14100	50	0.97	mg/kg	SW846 6010C
Lead		51.7	2.0	0.21	mg/kg	SW846 6010C
Magnesium		6080	500	3.4	mg/kg	SW846 6010C
Manganese		280	1.5	0.060	mg/kg	SW846 6010C
Mercury		0.098	0.035	0.0079	mg/kg	SW846 7471B
Nickel		11.4	4.0	0.10	mg/kg	SW846 6010C
Potassium		1020	1000	4.0	mg/kg	SW846 6010C
Selenium		1.2 B	2.0	0.33	mg/kg	SW846 6010C
Silver		1.1	0.50	0.14	mg/kg	SW846 6010C
Sodium		241 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.80 B	1.0	0.41	mg/kg	SW846 6010C
Vanadium		30.3	5.0	0.091	mg/kg	SW846 6010C
Zinc		44.8	2.0	0.38	mg/kg	SW846 6010C
JB69534-2	**364-PE-98**					
Acetone		0.0072 J	0.0089	0.0041	mg/kg	SW846 8260C
Carbon disulfide		0.00053 J	0.0045	0.00013	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0226 J	0.037	0.012	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(a)pyrene		0.0191 J	0.037	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0215 J	0.037	0.012	mg/kg	SW846 8270D
Chrysene		0.0192 J	0.037	0.012	mg/kg	SW846 8270D
Fluoranthene		0.0383	0.037	0.016	mg/kg	SW846 8270D
Pyrene		0.0429	0.037	0.014	mg/kg	SW846 8270D
Aluminum		6950	51	1.3	mg/kg	SW846 6010C
Arsenic		2.3	2.0	0.29	mg/kg	SW846 6010C
Barium		60.6	20	0.081	mg/kg	SW846 6010C
Beryllium		0.71	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.081 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		7870	510	3.1	mg/kg	SW846 6010C
Chromium		19.3	1.0	0.071	mg/kg	SW846 6010C
Cobalt		6.8	5.1	0.061	mg/kg	SW846 6010C
Copper		15.1	2.5	0.15	mg/kg	SW846 6010C
Iron		15600	51	0.97	mg/kg	SW846 6010C
Lead		12.2	2.0	0.21	mg/kg	SW846 6010C
Magnesium		6960	510	3.4	mg/kg	SW846 6010C
Manganese		318	1.5	0.061	mg/kg	SW846 6010C
Mercury		0.013 B	0.038	0.0086	mg/kg	SW846 7471B
Nickel		12.0	4.1	0.10	mg/kg	SW846 6010C
Potassium		1080	1000	4.1	mg/kg	SW846 6010C
Selenium		0.77 B	2.0	0.34	mg/kg	SW846 6010C
Silver		1.5	0.51	0.14	mg/kg	SW846 6010C
Sodium		218 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.62 B	1.0	0.42	mg/kg	SW846 6010C
Vanadium		33.8	5.1	0.091	mg/kg	SW846 6010C
Zinc		45.2	2.0	0.39	mg/kg	SW846 6010C
JB69534-3	**365-PE-95**					
Acetone		0.0186	0.010	0.0046	mg/kg	SW846 8260C
Carbon disulfide		0.00061 J	0.0051	0.00014	mg/kg	SW846 8260C
Isopropylbenzene		0.00041 J	0.0051	0.00015	mg/kg	SW846 8260C
Methylcyclohexane		0.0017 J	0.0051	0.00017	mg/kg	SW846 8260C
Acenaphthene		0.0454	0.037	0.011	mg/kg	SW846 8270D
Anthracene		0.0456	0.037	0.013	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0862	0.037	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0834	0.037	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0977	0.037	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0577	0.037	0.014	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0282 J	0.037	0.014	mg/kg	SW846 8270D
Chrysene		0.0986	0.037	0.013	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0162 J	0.037	0.013	mg/kg	SW846 8270D
Dibenzofuran		0.0182 J	0.074	0.011	mg/kg	SW846 8270D
Fluoranthene		0.213	0.037	0.016	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Fluorene		0.0555	0.037	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0403	0.037	0.013	mg/kg	SW846 8270D
Naphthalene		0.0293 J	0.037	0.010	mg/kg	SW846 8270D
Phenanthrene		0.174	0.037	0.017	mg/kg	SW846 8270D
Pyrene		0.233	0.037	0.014	mg/kg	SW846 8270D
Aluminum		6180	51	1.3	mg/kg	SW846 6010C
Arsenic		2.9	2.0	0.29	mg/kg	SW846 6010C
Barium		73.3	20	0.081	mg/kg	SW846 6010C
Beryllium		0.60	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.11 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		11300	510	3.1	mg/kg	SW846 6010C
Chromium		17.6	1.0	0.071	mg/kg	SW846 6010C
Cobalt		6.1	5.1	0.061	mg/kg	SW846 6010C
Copper		8.9	2.5	0.15	mg/kg	SW846 6010C
Iron		13400	51	0.97	mg/kg	SW846 6010C
Lead		50.2	2.0	0.21	mg/kg	SW846 6010C
Magnesium		5750	510	3.4	mg/kg	SW846 6010C
Manganese		341	1.5	0.061	mg/kg	SW846 6010C
Mercury		0.058	0.035	0.0079	mg/kg	SW846 7471B
Nickel		11.3	4.0	0.10	mg/kg	SW846 6010C
Potassium		982 B	1000	4.0	mg/kg	SW846 6010C
Selenium		1.1 B	2.0	0.33	mg/kg	SW846 6010C
Silver		1.3	0.51	0.14	mg/kg	SW846 6010C
Sodium		234 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.53 B	1.0	0.41	mg/kg	SW846 6010C
Vanadium		29.5	5.1	0.091	mg/kg	SW846 6010C
Zinc		58.2	2.0	0.38	mg/kg	SW846 6010C
JB69534-4	**366-PE-96**					
Acetone		0.0075 J	0.011	0.0051	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0154 J	0.035	0.011	mg/kg	SW846 8270D
Fluoranthene		0.0252 J	0.035	0.015	mg/kg	SW846 8270D
Phenanthrene		0.0209 J	0.035	0.016	mg/kg	SW846 8270D
Pyrene		0.0253 J	0.035	0.013	mg/kg	SW846 8270D
Aluminum		6150	55	1.5	mg/kg	SW846 6010C
Arsenic		2.0 B	2.2	0.32	mg/kg	SW846 6010C
Barium		54.9	22	0.089	mg/kg	SW846 6010C
Beryllium		0.59	0.22	0.022	mg/kg	SW846 6010C
Cadmium		0.11 B	0.55	0.055	mg/kg	SW846 6010C
Calcium		6690	550	3.4	mg/kg	SW846 6010C
Chromium		18.3	1.1	0.078	mg/kg	SW846 6010C
Cobalt		6.2	5.5	0.067	mg/kg	SW846 6010C
Copper		10.6	2.8	0.17	mg/kg	SW846 6010C
Iron		14000	55	1.1	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		7.4	2.2	0.23	mg/kg	SW846 6010C
Magnesium		6180	550	3.8	mg/kg	SW846 6010C
Manganese		290	1.7	0.067	mg/kg	SW846 6010C
Mercury		0.020 B	0.038	0.0086	mg/kg	SW846 7471B
Nickel		11.0	4.4	0.11	mg/kg	SW846 6010C
Potassium		906 B	1100	4.4	mg/kg	SW846 6010C
Selenium		1.1 B	2.2	0.37	mg/kg	SW846 6010C
Silver		1.3	0.55	0.16	mg/kg	SW846 6010C
Sodium		178 B	1100	2.1	mg/kg	SW846 6010C
Thallium		0.54 B	1.1	0.46	mg/kg	SW846 6010C
Vanadium		32.4	5.5	0.10	mg/kg	SW846 6010C
Zinc		41.8	2.2	0.42	mg/kg	SW846 6010C
JB69534-5	**367-PE-97**					
Acetone		0.0089 J	0.0094	0.0043	mg/kg	SW846 8260C
Carbon disulfide		0.00072 J	0.0047	0.00013	mg/kg	SW846 8260C
Anthracene		0.0159 J	0.039	0.014	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0463	0.039	0.013	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0454	0.039	0.012	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0508	0.039	0.013	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0301 J	0.039	0.015	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0175 J	0.039	0.015	mg/kg	SW846 8270D
Chrysene		0.0442	0.039	0.013	mg/kg	SW846 8270D
Fluoranthene		0.0788	0.039	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0298 J	0.039	0.014	mg/kg	SW846 8270D
Phenanthrene		0.0389 J	0.039	0.018	mg/kg	SW846 8270D
Pyrene		0.0870	0.039	0.015	mg/kg	SW846 8270D
Aluminum		6920	51	1.4	mg/kg	SW846 6010C
Arsenic		2.4	2.1	0.30	mg/kg	SW846 6010C
Barium		61.2	21	0.082	mg/kg	SW846 6010C
Beryllium		0.67	0.21	0.021	mg/kg	SW846 6010C
Cadmium		0.13 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		6890	510	3.1	mg/kg	SW846 6010C
Chromium		20.6	1.0	0.072	mg/kg	SW846 6010C
Cobalt		7.2	5.1	0.062	mg/kg	SW846 6010C
Copper		13.4	2.6	0.15	mg/kg	SW846 6010C
Iron		15900	51	0.98	mg/kg	SW846 6010C
Lead		17.4	2.1	0.22	mg/kg	SW846 6010C
Magnesium		6980	510	3.5	mg/kg	SW846 6010C
Manganese		316	1.5	0.062	mg/kg	SW846 6010C
Mercury		0.066	0.038	0.0087	mg/kg	SW846 7471B
Nickel		12.9	4.1	0.10	mg/kg	SW846 6010C
Potassium		1090	1000	4.1	mg/kg	SW846 6010C
Selenium		0.93 B	2.1	0.34	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Silver		1.5	0.51	0.14	mg/kg	SW846 6010C
Sodium		234 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.66 B	1.0	0.42	mg/kg	SW846 6010C
Vanadium		34.5	5.1	0.092	mg/kg	SW846 6010C
Zinc		70.0	2.1	0.39	mg/kg	SW846 6010C
JB69534-6	**368-FB-15**					
Aluminum		145 B	200	11	ug/l	SW846 6010C
Barium		11.0 B	200	1.0	ug/l	SW846 6010C
Calcium		915 B	5000	19	ug/l	SW846 6010C
Chromium		1.2 B	10	0.89	ug/l	SW846 6010C
Iron		97.5 B	100	12	ug/l	SW846 6010C
Magnesium		200 B	5000	41	ug/l	SW846 6010C
Manganese		3.7 B	15	0.48	ug/l	SW846 6010C
Mercury		0.069 B	0.20	0.064	ug/l	SW846 7470A
Sodium		1610 B	10000	19	ug/l	SW846 6010C
JB69534-7	**369-TB-14**					
No hits reported in this sample.						
JB69534-8	**370-PE-108**					
Acetone		0.0185	0.013	0.0059	mg/kg	SW846 8260C
Acenaphthene		0.650	0.042	0.012	mg/kg	SW846 8270D
Anthracene		0.371	0.042	0.015	mg/kg	SW846 8270D
Benzo(a)anthracene		0.839	0.042	0.014	mg/kg	SW846 8270D
Benzo(a)pyrene		0.645	0.042	0.013	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.289	0.042	0.014	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.527	0.042	0.016	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0754	0.042	0.016	mg/kg	SW846 8270D
Chrysene		0.898	0.042	0.014	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.162	0.042	0.014	mg/kg	SW846 8270D
Fluoranthene		0.455	0.042	0.019	mg/kg	SW846 8270D
Fluorene		1.06	0.042	0.014	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.185	0.042	0.015	mg/kg	SW846 8270D
2-Methylnaphthalene		0.835	0.084	0.023	mg/kg	SW846 8270D
Phenanthrene		1.78	0.042	0.019	mg/kg	SW846 8270D
Pyrene		1.16	0.042	0.016	mg/kg	SW846 8270D
Aluminum		5750	50	1.3	mg/kg	SW846 6010C
Antimony		0.93 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		7.1	2.0	0.29	mg/kg	SW846 6010C
Barium		102	20	0.081	mg/kg	SW846 6010C
Beryllium		0.56	0.20	0.020	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cadmium		0.27 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		17600	500	3.1	mg/kg	SW846 6010C
Chromium		15.0	1.0	0.071	mg/kg	SW846 6010C
Cobalt		7.4	5.0	0.060	mg/kg	SW846 6010C
Copper		57.4	2.5	0.15	mg/kg	SW846 6010C
Iron		11400	50	0.97	mg/kg	SW846 6010C
Lead		193	2.0	0.21	mg/kg	SW846 6010C
Magnesium		4060	500	3.4	mg/kg	SW846 6010C
Manganese		245	1.5	0.060	mg/kg	SW846 6010C
Mercury		1.1	0.081	0.018	mg/kg	SW846 7471B
Nickel		18.1	4.0	0.10	mg/kg	SW846 6010C
Potassium		1000	1000	4.0	mg/kg	SW846 6010C
Selenium		1.4 B	2.0	0.33	mg/kg	SW846 6010C
Silver		1.2	0.50	0.14	mg/kg	SW846 6010C
Sodium		354 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.51 B	1.0	0.41	mg/kg	SW846 6010C
Vanadium		24.9	5.0	0.091	mg/kg	SW846 6010C
Zinc		121	2.0	0.38	mg/kg	SW846 6010C
JB69534-9	**371-PE-109**					
Acetone		0.0157	0.011	0.0048	mg/kg	SW846 8260C
Isopropylbenzene		0.00076 J	0.0053	0.00016	mg/kg	SW846 8260C
Methylcyclohexane		0.00062 J	0.0053	0.00017	mg/kg	SW846 8260C
Acenaphthene		0.614	0.045	0.013	mg/kg	SW846 8270D
Anthracene		0.312	0.045	0.016	mg/kg	SW846 8270D
Benzo(a)anthracene		0.734	0.045	0.015	mg/kg	SW846 8270D
Benzo(a)pyrene		0.609	0.045	0.014	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.284	0.045	0.015	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.495	0.045	0.017	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0579	0.045	0.017	mg/kg	SW846 8270D
Chrysene		0.848	0.045	0.015	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.139	0.045	0.015	mg/kg	SW846 8270D
Fluoranthene		0.409	0.045	0.020	mg/kg	SW846 8270D
Fluorene		0.961	0.045	0.015	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.160	0.045	0.016	mg/kg	SW846 8270D
2-Methylnaphthalene		0.765	0.090	0.025	mg/kg	SW846 8270D
Phenanthrene		1.59	0.045	0.020	mg/kg	SW846 8270D
Pyrene		1.11	0.045	0.017	mg/kg	SW846 8270D
Aluminum		4280	49	1.3	mg/kg	SW846 6010C
Antimony		0.84 B	1.9	0.26	mg/kg	SW846 6010C
Arsenic		5.2	1.9	0.28	mg/kg	SW846 6010C
Barium		80.4	19	0.078	mg/kg	SW846 6010C
Beryllium		0.44	0.19	0.019	mg/kg	SW846 6010C
Cadmium		0.17 B	0.49	0.049	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		12200	490	2.9	mg/kg	SW846 6010C
Chromium		10.8	0.97	0.068	mg/kg	SW846 6010C
Cobalt		5.0	4.9	0.058	mg/kg	SW846 6010C
Copper		31.3	2.4	0.15	mg/kg	SW846 6010C
Iron		9210	49	0.93	mg/kg	SW846 6010C
Lead		137	1.9	0.20	mg/kg	SW846 6010C
Magnesium		3000	490	3.3	mg/kg	SW846 6010C
Manganese		179	1.5	0.058	mg/kg	SW846 6010C
Mercury		1.3	0.090	0.020	mg/kg	SW846 7471B
Nickel		12.4	3.9	0.097	mg/kg	SW846 6010C
Potassium		761 B	970	3.9	mg/kg	SW846 6010C
Selenium		0.94 B	1.9	0.32	mg/kg	SW846 6010C
Silver		0.94	0.49	0.14	mg/kg	SW846 6010C
Sodium		328 B	970	1.8	mg/kg	SW846 6010C
Vanadium		18.4	4.9	0.087	mg/kg	SW846 6010C
Zinc		84.6	1.9	0.37	mg/kg	SW846 6010C
JB69534-10	**372-PE-110**					
Acetone		0.0416	0.014	0.0066	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0083 J	0.014	0.0063	mg/kg	SW846 8260C
Carbon disulfide		0.00058 J	0.0072	0.00020	mg/kg	SW846 8260C
Cyclohexane		0.0151	0.0072	0.00037	mg/kg	SW846 8260C
Isopropylbenzene		0.0607	0.0072	0.00021	mg/kg	SW846 8260C
Methylcyclohexane		0.144	0.0072	0.00024	mg/kg	SW846 8260C
Toluene		0.00063 J	0.0014	0.00020	mg/kg	SW846 8260C
m,p-Xylene		0.00078 J	0.0014	0.00070	mg/kg	SW846 8260C
o-Xylene		0.0037	0.0014	0.00026	mg/kg	SW846 8260C
Xylene (total)		0.0045	0.0014	0.00026	mg/kg	SW846 8260C
Acenaphthene		0.818	0.043	0.012	mg/kg	SW846 8270D
Anthracene		0.410	0.043	0.015	mg/kg	SW846 8270D
Benzo(a)anthracene		0.894	0.043	0.014	mg/kg	SW846 8270D
Benzo(a)pyrene		0.738	0.043	0.013	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.384	0.043	0.014	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.615	0.043	0.016	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0999	0.043	0.016	mg/kg	SW846 8270D
Chrysene		0.962	0.043	0.014	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.186	0.043	0.015	mg/kg	SW846 8270D
Fluoranthene		0.505	0.043	0.019	mg/kg	SW846 8270D
Fluorene		1.29	0.043	0.014	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.230	0.043	0.015	mg/kg	SW846 8270D
2-Methylnaphthalene		4.23	0.085	0.024	mg/kg	SW846 8270D
Phenanthrene		2.26	0.043	0.019	mg/kg	SW846 8270D
Pyrene		1.22	0.043	0.016	mg/kg	SW846 8270D
Aluminum		5460	48	1.3	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69534
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/16/14 thru 06/17/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Antimony	0.81 B	1.9	0.26	mg/kg	SW846 6010C
Arsenic	7.9	1.9	0.28	mg/kg	SW846 6010C
Barium	123	19	0.077	mg/kg	SW846 6010C
Beryllium	0.50	0.19	0.019	mg/kg	SW846 6010C
Cadmium	0.24 B	0.48	0.048	mg/kg	SW846 6010C
Calcium	19800	480	2.9	mg/kg	SW846 6010C
Chromium	13.9	0.97	0.068	mg/kg	SW846 6010C
Cobalt	6.3	4.8	0.058	mg/kg	SW846 6010C
Copper	46.5	2.4	0.15	mg/kg	SW846 6010C
Iron	10700	48	0.93	mg/kg	SW846 6010C
Lead	254	1.9	0.20	mg/kg	SW846 6010C
Magnesium	3280	480	3.3	mg/kg	SW846 6010C
Manganese	204	1.5	0.058	mg/kg	SW846 6010C
Mercury	10.3	0.78	0.18	mg/kg	SW846 7471B
Nickel	15.2	3.9	0.097	mg/kg	SW846 6010C
Potassium	980	970	3.9	mg/kg	SW846 6010C
Selenium	1.8 B	1.9	0.32	mg/kg	SW846 6010C
Silver	1.2	0.48	0.14	mg/kg	SW846 6010C
Sodium	376 B	970	1.8	mg/kg	SW846 6010C
Thallium	0.51 B	0.97	0.40	mg/kg	SW846 6010C
Vanadium	24.1	4.8	0.087	mg/kg	SW846 6010C
Zinc	116	1.9	0.37	mg/kg	SW846 6010C

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	363-PE-99		
Lab Sample ID:	JB69534-1	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	90.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110983.D	1	06/23/14	PS	n/a	n/a	V3C4998
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0134	0.0091	0.0041	mg/kg	
71-43-2	Benzene	ND	0.00091	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0045	0.00047	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0045	0.00026	mg/kg	
75-25-2	Bromoform	ND	0.0045	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0045	0.00044	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0091	0.0040	mg/kg	
75-15-0	Carbon disulfide	0.00028	0.0045	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0045	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0045	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0045	0.00090	mg/kg	
67-66-3	Chloroform	ND	0.0045	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0045	0.00031	mg/kg	
110-82-7	Cyclohexane	ND	0.0045	0.00023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0091	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0045	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00091	0.00050	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0045	0.00031	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0045	0.00020	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0045	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0045	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0045	0.00029	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00091	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0045	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0045	0.00019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0045	0.00038	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0045	0.00040	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0045	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0045	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.00091	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0045	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0045	0.0016	mg/kg	

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

Report of Analysis

Client Sample ID:	363-PE-99		
Lab Sample ID:	JB69534-1	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	90.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0045	0.00013	mg/kg	
79-20-9	Methyl Acetate	ND	0.0045	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.00065	0.0045	0.00015	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00091	0.00031	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0045	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0045	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0045	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0045	0.00031	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0045	0.00037	mg/kg	
108-88-3	Toluene	ND	0.00091	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0045	0.00019	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0045	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0045	0.00026	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0045	0.00075	mg/kg	
79-01-6	Trichloroethene	ND	0.0045	0.00032	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0045	0.00020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0045	0.00031	mg/kg	
	m,p-Xylene	ND	0.00091	0.00044	mg/kg	
95-47-6	o-Xylene	ND	0.00091	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00091	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		59-130%
17060-07-0	1,2-Dichloroethane-D4	103%		65-123%
2037-26-5	Toluene-D8	101%		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 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	363-PE-99		
Lab Sample ID:	JB69534-1	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	90.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62612.D	1	06/27/14	KLS	06/19/14	OP75766	E3E2682
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.036	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.059	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.061	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.73	0.044	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.73	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.041	mg/kg	
	3&4-Methylphenol	ND	0.073	0.046	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.039	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.061	mg/kg	
87-86-5	Pentachlorophenol	ND	0.36	0.062	mg/kg	
108-95-2	Phenol	ND	0.073	0.038	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.037	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.042	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.034	mg/kg	
83-32-9	Acenaphthene	0.0167	0.036	0.011	mg/kg	J
208-96-8	Acenaphthylene	ND	0.036	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0064	mg/kg	
120-12-7	Anthracene	0.0185	0.036	0.013	mg/kg	J
1912-24-9	Atrazine	ND	0.073	0.0072	mg/kg	
56-55-3	Benzo(a)anthracene	0.0661	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.0685	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0763	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0453	0.036	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0285	0.036	0.014	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.073	0.0042	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0084	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.012	mg/kg	
86-74-8	Carbazole	ND	0.073	0.017	mg/kg	

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

Report of Analysis

Client Sample ID:	363-PE-99		
Lab Sample ID:	JB69534-1	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	90.2
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	0.073	0.011	mg/kg	
218-01-9	Chrysene	0.0751	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.073	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.0092	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.073	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0081	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.073	0.032	mg/kg	
206-44-0	Fluoranthene	0.131	0.036	0.016	mg/kg	
86-73-7	Fluorene	ND	0.036	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.073	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.037	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0359	0.036	0.013	mg/kg	J
78-59-1	Isophorone	ND	0.073	0.0098	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.073	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0099	mg/kg	
98-95-3	Nitrobenzene	ND	0.073	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	0.0089	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.022	mg/kg	
85-01-8	Phenanthrene	0.0746	0.036	0.017	mg/kg	
129-00-0	Pyrene	0.128	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	73%		13-110%

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

Report of Analysis

Client Sample ID:	363-PE-99		
Lab Sample ID:	JB69534-1	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	90.2
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	67%		15-110%
118-79-6	2,4,6-Tribromophenol	77%		20-123%
4165-60-0	Nitrobenzene-d5	75%		10-110%
321-60-8	2-Fluorobiphenyl	79%		17-110%
1718-51-0	Terphenyl-d14	88%		30-124%

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

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

Report of Analysis

Client Sample ID: 363-PE-99
Lab Sample ID: JB69534-1
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/16/14
Date Received: 06/17/14
Percent Solids: 90.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6360	50	1.3	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Antimony	0.27 U	2.0	0.27	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.5	2.0	0.29	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Barium	69.3	20	0.081	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.70	0.20	0.020	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.13 B	0.50	0.050	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Calcium	6790	500	3.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Chromium	17.2	1.0	0.071	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cobalt	6.0	5.0	0.060	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Copper	12.0	2.5	0.15	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Iron	14100	50	0.97	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Lead	51.7	2.0	0.21	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Magnesium	6080	500	3.4	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Manganese	280	1.5	0.060	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.098	0.035	0.0079	mg/kg	1	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.4	4.0	0.10	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Potassium	1020	1000	4.0	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Selenium	1.2 B	2.0	0.33	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Silver	1.1	0.50	0.14	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Sodium	241 B	1000	1.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Thallium	0.80 B	1.0	0.41	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Vanadium	30.3	5.0	0.091	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Zinc	44.8	2.0	0.38	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Prep QC Batch: MP80244
(4) Prep QC Batch: MP80262

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:	364-PE-98		
Lab Sample ID:	JB69534-2	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	86.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110988.D	1	06/23/14	PS	n/a	n/a	V3C4998
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	0.0072	0.0089	0.0041	mg/kg	J
71-43-2	Benzene	ND	0.00089	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0045	0.00046	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0045	0.00025	mg/kg	
75-25-2	Bromoform	ND	0.0045	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0045	0.00043	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0089	0.0039	mg/kg	
75-15-0	Carbon disulfide	0.00053	0.0045	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0045	0.00022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0045	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0045	0.00089	mg/kg	
67-66-3	Chloroform	ND	0.0045	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0045	0.00031	mg/kg	
110-82-7	Cyclohexane	ND	0.0045	0.00023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0089	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0045	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00089	0.00049	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0045	0.00030	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0045	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0045	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0045	0.00031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0045	0.00028	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00089	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0045	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0045	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0045	0.00038	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0045	0.00039	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0045	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0045	0.00024	mg/kg	
100-41-4	Ethylbenzene	ND	0.00089	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0045	0.00039	mg/kg	
591-78-6	2-Hexanone	ND	0.0045	0.0016	mg/kg	

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

Report of Analysis

Client Sample ID:	364-PE-98		
Lab Sample ID:	JB69534-2	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	86.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0045	0.00013	mg/kg	
79-20-9	Methyl Acetate	ND	0.0045	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0045	0.00015	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00089	0.00031	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0045	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0045	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0045	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0045	0.00030	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0045	0.00037	mg/kg	
108-88-3	Toluene	ND	0.00089	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0045	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0045	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0045	0.00026	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0045	0.00073	mg/kg	
79-01-6	Trichloroethene	ND	0.0045	0.00031	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0045	0.00020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0045	0.00030	mg/kg	
	m,p-Xylene	ND	0.00089	0.00043	mg/kg	
95-47-6	o-Xylene	ND	0.00089	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00089	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		59-130%
17060-07-0	1,2-Dichloroethane-D4	102%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	116%		71-132%

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	364-PE-98		
Lab Sample ID:	JB69534-2	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	86.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62627.D	1	06/28/14	ALS	06/19/14	OP75766	E3E2683
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.037	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.037	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.059	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.062	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.73	0.045	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.73	0.045	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.042	mg/kg	
	3&4-Methylphenol	ND	0.073	0.047	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.039	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.062	mg/kg	
87-86-5	Pentachlorophenol	ND	0.37	0.063	mg/kg	
108-95-2	Phenol	ND	0.073	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	0.073	0.0072	mg/kg	
56-55-3	Benzo(a)anthracene	0.0226	0.037	0.012	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0191	0.037	0.011	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0215	0.037	0.012	mg/kg	J
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	0.073	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.073	0.0043	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0085	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.012	mg/kg	
86-74-8	Carbazole	ND	0.073	0.017	mg/kg	

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

Report of Analysis

Client Sample ID:	364-PE-98		
Lab Sample ID:	JB69534-2	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	86.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.073	0.012	mg/kg	
218-01-9	Chrysene	0.0192	0.037	0.012	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.073	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.0093	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.037	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.073	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0082	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.073	0.032	mg/kg	
206-44-0	Fluoranthene	0.0383	0.037	0.016	mg/kg	
86-73-7	Fluorene	ND	0.037	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.073	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.037	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.037	0.013	mg/kg	
78-59-1	Isophorone	ND	0.073	0.0099	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.073	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	0.073	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	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	0.0429	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	77%		13-110%

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

Report of Analysis

Client Sample ID:	364-PE-98		
Lab Sample ID:	JB69534-2	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	86.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	75%		15-110%
118-79-6	2,4,6-Tribromophenol	78%		20-123%
4165-60-0	Nitrobenzene-d5	78%		10-110%
321-60-8	2-Fluorobiphenyl	78%		17-110%
1718-51-0	Terphenyl-d14	97%		30-124%

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

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

Report of Analysis

Client Sample ID: 364-PE-98
Lab Sample ID: JB69534-2
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/16/14
Date Received: 06/17/14
Percent Solids: 86.4

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6950	51	1.3	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Antimony	0.27 U	2.0	0.27	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.3	2.0	0.29	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Barium	60.6	20	0.081	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.71	0.20	0.020	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.081 B	0.51	0.051	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Calcium	7870	510	3.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Chromium	19.3	1.0	0.071	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cobalt	6.8	5.1	0.061	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Copper	15.1	2.5	0.15	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Iron	15600	51	0.97	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Lead	12.2	2.0	0.21	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Magnesium	6960	510	3.4	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Manganese	318	1.5	0.061	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.013 B	0.038	0.0086	mg/kg	1	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.0	4.1	0.10	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Potassium	1080	1000	4.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Selenium	0.77 B	2.0	0.34	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Silver	1.5	0.51	0.14	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Sodium	218 B	1000	1.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Thallium	0.62 B	1.0	0.42	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Vanadium	33.8	5.1	0.091	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Zinc	45.2	2.0	0.39	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Prep QC Batch: MP80244
(4) Prep QC Batch: MP80262

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:	365-PE-95		
Lab Sample ID:	JB69534-3	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	88.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110992.D	1	06/23/14	PS	n/a	n/a	V3C4998
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0186	0.010	0.0046	mg/kg	
71-43-2	Benzene	ND	0.0010	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00052	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0051	0.00028	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.00026	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00049	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0044	mg/kg	
75-15-0	Carbon disulfide	0.00061	0.0051	0.00014	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0051	0.00025	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	0.0013	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0051	0.00024	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00055	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0051	0.00034	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0051	0.00022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0051	0.00025	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	0.00032	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	0.00044	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	0.00027	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00018	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.00044	mg/kg	
591-78-6	2-Hexanone	ND	0.0051	0.0018	mg/kg	

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

Report of Analysis

Client Sample ID:	365-PE-95		
Lab Sample ID:	JB69534-3	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	88.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00041	0.0051	0.00015	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0051	0.0017	mg/kg	
108-87-2	Methylcyclohexane	0.0017	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	0.0013	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0017	mg/kg	
100-42-5	Styrene	ND	0.0051	0.00023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0051	0.00035	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0051	0.00041	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00014	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	0.00018	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	0.00083	mg/kg	
79-01-6	Trichloroethene	ND	0.0051	0.00035	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00023	mg/kg	
75-01-4	Vinyl chloride	ND	0.0051	0.00035	mg/kg	
	m,p-Xylene	ND	0.0010	0.00049	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		59-130%
17060-07-0	1,2-Dichloroethane-D4	100%		65-123%
2037-26-5	Toluene-D8	102%		77-125%
460-00-4	4-Bromofluorobenzene	111%		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:	365-PE-95		
Lab Sample ID:	JB69534-3	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	88.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62628.D	1	06/28/14	ALS	06/19/14	OP75766	E3E2683
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.074	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	0.062	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	0.19	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	0.19	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	0.0454	0.037	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0065	mg/kg	
120-12-7	Anthracene	0.0456	0.037	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.074	0.0073	mg/kg	
56-55-3	Benzo(a)anthracene	0.0862	0.037	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.0834	0.037	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0977	0.037	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0577	0.037	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0282	0.037	0.014	mg/kg	J
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	0.19	0.0085	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.074	0.012	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	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:	365-PE-95		
Lab Sample ID:	JB69534-3	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	88.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.074	0.012	mg/kg	
218-01-9	Chrysene	0.0986	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	0.0162	0.037	0.013	mg/kg	J
132-64-9	Dibenzofuran	0.0182	0.074	0.011	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.074	0.0082	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.074	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.074	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.074	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.074	0.033	mg/kg	
206-44-0	Fluoranthene	0.213	0.037	0.016	mg/kg	
86-73-7	Fluorene	0.0555	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	0.19	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0403	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	0.19	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.014	mg/kg	
91-20-3	Naphthalene	0.0293	0.037	0.010	mg/kg	J
98-95-3	Nitrobenzene	ND	0.074	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.074	0.0091	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.022	mg/kg	
85-01-8	Phenanthrene	0.174	0.037	0.017	mg/kg	
129-00-0	Pyrene	0.233	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	76%		13-110%

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

Report of Analysis

Client Sample ID:	365-PE-95		
Lab Sample ID:	JB69534-3	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	88.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	73%		15-110%
118-79-6	2,4,6-Tribromophenol	80%		20-123%
4165-60-0	Nitrobenzene-d5	76%		10-110%
321-60-8	2-Fluorobiphenyl	79%		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: 365-PE-95
Lab Sample ID: JB69534-3
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/16/14
Date Received: 06/17/14
Percent Solids: 88.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6180	51	1.3	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Antimony	0.27 U	2.0	0.27	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.9	2.0	0.29	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Barium	73.3	20	0.081	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.60	0.20	0.020	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.11 B	0.51	0.051	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Calcium	11300	510	3.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Chromium	17.6	1.0	0.071	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cobalt	6.1	5.1	0.061	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Copper	8.9	2.5	0.15	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Iron	13400	51	0.97	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Lead	50.2	2.0	0.21	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Magnesium	5750	510	3.4	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Manganese	341	1.5	0.061	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.058	0.035	0.0079	mg/kg	1	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.3	4.0	0.10	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Potassium	982 B	1000	4.0	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Selenium	1.1 B	2.0	0.33	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Silver	1.3	0.51	0.14	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Sodium	234 B	1000	1.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Thallium	0.53 B	1.0	0.41	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Vanadium	29.5	5.1	0.091	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Zinc	58.2	2.0	0.38	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Prep QC Batch: MP80244
(4) Prep QC Batch: MP80262

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	366-PE-96		
Lab Sample ID:	JB69534-4	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	85.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110993.D	1	06/23/14	PS	n/a	n/a	V3C4998
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0075	0.011	0.0051	mg/kg	J
71-43-2	Benzene	ND	0.0011	0.00014	mg/kg	
74-97-5	Bromochloromethane	ND	0.0055	0.00058	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0055	0.00031	mg/kg	
75-25-2	Bromoform	ND	0.0055	0.00029	mg/kg	
74-83-9	Bromomethane	ND	0.0055	0.00053	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0049	mg/kg	
75-15-0	Carbon disulfide	ND	0.0055	0.00016	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0055	0.00028	mg/kg	
108-90-7	Chlorobenzene	ND	0.0055	0.00022	mg/kg	
75-00-3	Chloroethane	ND	0.0055	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0055	0.00028	mg/kg	
74-87-3	Chloromethane	ND	0.0055	0.00038	mg/kg	
110-82-7	Cyclohexane	ND	0.0055	0.00029	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.011	0.0015	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0055	0.00027	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00061	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0055	0.00038	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0055	0.00024	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0055	0.00028	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0055	0.00039	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0055	0.00035	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00036	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0055	0.00032	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0055	0.00023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0055	0.00047	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0055	0.00048	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0055	0.00025	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0055	0.00030	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00019	mg/kg	
76-13-1	Freon 113	ND	0.0055	0.00048	mg/kg	
591-78-6	2-Hexanone	ND	0.0055	0.0020	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:	366-PE-96		
Lab Sample ID:	JB69534-4	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	85.0
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	0.0055	0.00016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0055	0.0019	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0055	0.00018	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00038	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0055	0.0015	mg/kg	
75-09-2	Methylene chloride	ND	0.0055	0.0019	mg/kg	
100-42-5	Styrene	ND	0.0055	0.00026	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0055	0.00038	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0055	0.00046	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0055	0.00023	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0055	0.00020	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0055	0.00032	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0055	0.00091	mg/kg	
79-01-6	Trichloroethene	ND	0.0055	0.00039	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0055	0.00025	mg/kg	
75-01-4	Vinyl chloride	ND	0.0055	0.00038	mg/kg	
	m,p-Xylene	ND	0.0011	0.00054	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00020	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		59-130%
17060-07-0	1,2-Dichloroethane-D4	102%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	116%		71-132%

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	366-PE-96		
Lab Sample ID:	JB69534-4	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	85.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62629.D	1	06/28/14	ALS	06/19/14	OP75766	E3E2683
Run #2							

	Initial Weight	Final Volume
Run #1	33.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.070	0.035	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.035	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.057	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.059	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.70	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	0.045	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	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	0.18	0.036	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.041	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.033	mg/kg	
83-32-9	Acenaphthene	ND	0.035	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.035	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0062	mg/kg	
120-12-7	Anthracene	ND	0.035	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.070	0.0069	mg/kg	
56-55-3	Benzo(a)anthracene	0.0154	0.035	0.011	mg/kg	J
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	0.0041	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0081	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.070	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	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:	366-PE-96		
Lab Sample ID:	JB69534-4	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	85.0
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	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.070	0.010	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.070	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.035	0.015	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.035	0.013	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.070	0.0089	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.070	0.010	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.070	0.0078	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.070	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.070	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.070	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.070	0.031	mg/kg	
206-44-0	Fluoranthene	0.0252	0.035	0.015	mg/kg	J
86-73-7	Fluorene	ND	0.035	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.070	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.035	0.0098	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.35	0.036	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.0098	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.035	0.012	mg/kg	
78-59-1	Isophorone	ND	0.070	0.0094	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.070	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.015	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.035	0.0096	mg/kg	
98-95-3	Nitrobenzene	ND	0.070	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.070	0.0086	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.021	mg/kg	
85-01-8	Phenanthrene	0.0209	0.035	0.016	mg/kg	J
129-00-0	Pyrene	0.0253	0.035	0.013	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

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

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

Report of Analysis

Client Sample ID:	366-PE-96		
Lab Sample ID:	JB69534-4	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	85.0
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	71%		15-110%
118-79-6	2,4,6-Tribromophenol	72%		20-123%
4165-60-0	Nitrobenzene-d5	74%		10-110%
321-60-8	2-Fluorobiphenyl	76%		17-110%
1718-51-0	Terphenyl-d14	85%		30-124%

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

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

Report of Analysis

Client Sample ID: 366-PE-96
Lab Sample ID: JB69534-4
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/16/14
Date Received: 06/17/14
Percent Solids: 85.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6150	55	1.5	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Antimony	0.30 U	2.2	0.30	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.0 B	2.2	0.32	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Barium	54.9	22	0.089	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.59	0.22	0.022	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.11 B	0.55	0.055	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Calcium	6690	550	3.4	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Chromium	18.3	1.1	0.078	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cobalt	6.2	5.5	0.067	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Copper	10.6	2.8	0.17	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Iron	14000	55	1.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Lead	7.4	2.2	0.23	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Magnesium	6180	550	3.8	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Manganese	290	1.7	0.067	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.020 B	0.038	0.0086	mg/kg	1	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.0	4.4	0.11	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Potassium	906 B	1100	4.4	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Selenium	1.1 B	2.2	0.37	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Silver	1.3	0.55	0.16	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Sodium	178 B	1100	2.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Thallium	0.54 B	1.1	0.46	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Vanadium	32.4	5.5	0.10	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Zinc	41.8	2.2	0.42	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Prep QC Batch: MP80244
(4) Prep QC Batch: MP80262

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	367-PE-97		
Lab Sample ID:	JB69534-5	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	84.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110994.D	1	06/23/14	PS	n/a	n/a	V3C4998
Run #2							

	Initial Weight
Run #1	6.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0089	0.0094	0.0043	mg/kg	J
71-43-2	Benzene	ND	0.00094	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0047	0.00049	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0047	0.00027	mg/kg	
75-25-2	Bromoform	ND	0.0047	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0047	0.00045	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0094	0.0042	mg/kg	
75-15-0	Carbon disulfide	0.00072	0.0047	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0047	0.00024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0047	0.00019	mg/kg	
75-00-3	Chloroethane	ND	0.0047	0.00094	mg/kg	
67-66-3	Chloroform	ND	0.0047	0.00024	mg/kg	
74-87-3	Chloromethane	ND	0.0047	0.00032	mg/kg	
110-82-7	Cyclohexane	ND	0.0047	0.00024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0094	0.0013	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0047	0.00023	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00094	0.00052	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0047	0.00032	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0047	0.00021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0047	0.00024	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0047	0.00033	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0047	0.00030	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00094	0.00030	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0047	0.00027	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0047	0.00020	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0047	0.00040	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0047	0.00041	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0047	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0047	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.00094	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0047	0.00041	mg/kg	
591-78-6	2-Hexanone	ND	0.0047	0.0017	mg/kg	

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

Report of Analysis

Client Sample ID:	367-PE-97		
Lab Sample ID:	JB69534-5	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	84.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0047	0.00014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0047	0.0016	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0047	0.00015	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00094	0.00032	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0047	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0047	0.0016	mg/kg	
100-42-5	Styrene	ND	0.0047	0.00022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0047	0.00032	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0047	0.00039	mg/kg	
108-88-3	Toluene	ND	0.00094	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0047	0.00020	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0047	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0047	0.00027	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0047	0.00077	mg/kg	
79-01-6	Trichloroethene	ND	0.0047	0.00033	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0047	0.00021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0047	0.00032	mg/kg	
	m,p-Xylene	ND	0.00094	0.00046	mg/kg	
95-47-6	o-Xylene	ND	0.00094	0.00017	mg/kg	
1330-20-7	Xylene (total)	ND	0.00094	0.00017	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	101%		77-125%
460-00-4	4-Bromofluorobenzene	116%		71-132%

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

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Report of Analysis

Client Sample ID:	367-PE-97		
Lab Sample ID:	JB69534-5	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	84.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62630.D	1	06/28/14	ALS	06/19/14	OP75766	E3E2683
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.078	0.039	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.039	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.063	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.066	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.78	0.048	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.78	0.048	mg/kg	
95-48-7	2-Methylphenol	ND	0.078	0.045	mg/kg	
	3&4-Methylphenol	ND	0.078	0.050	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.041	mg/kg	
100-02-7	4-Nitrophenol	ND	0.39	0.066	mg/kg	
87-86-5	Pentachlorophenol	ND	0.39	0.067	mg/kg	
108-95-2	Phenol	ND	0.078	0.041	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.040	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.045	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.037	mg/kg	
83-32-9	Acenaphthene	ND	0.039	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.039	0.013	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0069	mg/kg	
120-12-7	Anthracene	0.0159	0.039	0.014	mg/kg	J
1912-24-9	Atrazine	ND	0.078	0.0077	mg/kg	
56-55-3	Benzo(a)anthracene	0.0463	0.039	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	0.0454	0.039	0.012	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0508	0.039	0.013	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0301	0.039	0.015	mg/kg	J
207-08-9	Benzo(k)fluoranthene	0.0175	0.039	0.015	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.078	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.078	0.023	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.078	0.0045	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.078	0.012	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.013	mg/kg	
86-74-8	Carbazole	ND	0.078	0.018	mg/kg	

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

Report of Analysis

Client Sample ID:	367-PE-97		
Lab Sample ID:	JB69534-5	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	84.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.078	0.012	mg/kg	
218-01-9	Chrysene	0.0442	0.039	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.078	0.016	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.078	0.012	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.078	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.078	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.039	0.017	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.039	0.015	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.078	0.0099	mg/kg	
123-91-1	1,4-Dioxane	ND	0.039	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.039	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.078	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.078	0.0087	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.078	0.019	mg/kg	
84-66-2	Diethyl phthalate	ND	0.078	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.078	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.078	0.035	mg/kg	
206-44-0	Fluoranthene	0.0788	0.039	0.017	mg/kg	
86-73-7	Fluorene	ND	0.039	0.013	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.078	0.013	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.039	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.39	0.040	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0298	0.039	0.014	mg/kg	J
78-59-1	Isophorone	ND	0.078	0.011	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.078	0.022	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.017	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.016	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.015	mg/kg	
91-20-3	Naphthalene	ND	0.039	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.078	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.078	0.0095	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.023	mg/kg	
85-01-8	Phenanthrene	0.0389	0.039	0.018	mg/kg	J
129-00-0	Pyrene	0.0870	0.039	0.015	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.012	mg/kg	

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

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

Report of Analysis

Client Sample ID:	367-PE-97		
Lab Sample ID:	JB69534-5	**Date Sampled:**	06/16/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	84.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	75%		15-110%
118-79-6	2,4,6-Tribromophenol	77%		20-123%
4165-60-0	Nitrobenzene-d5	74%		10-110%
321-60-8	2-Fluorobiphenyl	77%		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: 367-PE-97
Lab Sample ID: JB69534-5
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/16/14
Date Received: 06/17/14
Percent Solids: 84.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6920	51	1.4	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Antimony	0.28 U	2.1	0.28	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.4	2.1	0.30	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Barium	61.2	21	0.082	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.67	0.21	0.021	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.13 B	0.51	0.051	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Calcium	6890	510	3.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Chromium	20.6	1.0	0.072	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cobalt	7.2	5.1	0.062	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Copper	13.4	2.6	0.15	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Iron	15900	51	0.98	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Lead	17.4	2.1	0.22	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Magnesium	6980	510	3.5	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Manganese	316	1.5	0.062	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.066	0.038	0.0087	mg/kg	1	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.9	4.1	0.10	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Potassium	1090	1000	4.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Selenium	0.93 B	2.1	0.34	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Silver	1.5	0.51	0.14	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Sodium	234 B	1000	1.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Thallium	0.66 B	1.0	0.42	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Vanadium	34.5	5.1	0.092	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Zinc	70.0	2.1	0.39	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Prep QC Batch: MP80244
(4) Prep QC Batch: MP80262

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:	368-FB-15		
Lab Sample ID:	JB69534-6	**Date Sampled:**	06/17/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/17/14
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	4V9254.D	1	06/27/14	BM	n/a	n/a	V4V382
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:	368-FB-15		
Lab Sample ID:	JB69534-6	**Date Sampled:**	06/17/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/17/14
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	105%		79-120%
17060-07-0	1,2-Dichloroethane-D4	101%		72-123%
2037-26-5	Toluene-D8	106%		78-119%
460-00-4	4-Bromofluorobenzene	107%		74-119%

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	368-FB-15		
Lab Sample ID:	JB69534-6	**Date Sampled:**	06/17/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/17/14
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	M105687.D	1	06/27/14	SP	06/23/14	OP75872	EM4326
Run #2							

	Initial Volume	Final Volume
Run #1	945 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	1.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.7	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	6.9	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.3	ug/l	
	3&4-Methylphenol	ND	2.1	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	0.96	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.58	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	1.6	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.21	ug/l	
98-86-2	Acetophenone	ND	2.1	0.39	ug/l	
120-12-7	Anthracene	ND	1.1	0.20	ug/l	
1912-24-9	Atrazine	ND	2.1	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.71	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.24	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.23	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.26	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.23	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.36	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.32	ug/l	
86-74-8	Carbazole	ND	1.1	0.18	ug/l	

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

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

Report of Analysis

Client Sample ID:	368-FB-15		
Lab Sample ID:	JB69534-6	**Date Sampled:**	06/17/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.43	ug/l	
218-01-9	Chrysene	ND	1.1	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.44	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.46	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.43	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.40	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.34	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.27	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.59	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.76	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.29	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.61	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.27	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.59	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.17	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.48	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.41	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	0.51	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.30	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.43	ug/l	
78-59-1	Isophorone	ND	2.1	0.36	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.31	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.33	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.32	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.55	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.40	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.20	ug/l	
129-00-0	Pyrene	ND	1.1	0.20	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		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:	368-FB-15		
Lab Sample ID:	JB69534-6	**Date Sampled:**	06/17/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/17/14
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	37%		10-110%
118-79-6	2,4,6-Tribromophenol	93%		29-139%
4165-60-0	Nitrobenzene-d5	95%		28-131%
321-60-8	2-Fluorobiphenyl	89%		30-121%
1718-51-0	Terphenyl-d14	93%		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: 368-FB-15
Lab Sample ID: JB69534-6
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/17/14
Date Received: 06/17/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	145 B	200	11	ug/l	1	06/20/14	06/23/14	TG	SW846 6010C [2]	SW846 3010A [4]
Antimony	2.6 U	6.0	2.6	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Arsenic	2.6 U	3.0	2.6	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Barium	11.0 B	200	1.0	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Beryllium	0.40 U	1.0	0.40	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Cadmium	0.70 U	3.0	0.70	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Calcium	915 B	5000	19	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Chromium	1.2 B	10	0.89	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Cobalt	0.83 U	50	0.83	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Copper	1.2 U	10	1.2	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Iron	97.5 B	100	12	ug/l	1	06/20/14	06/23/14	TG	SW846 6010C [2]	SW846 3010A [4]
Lead	1.3 U	3.0	1.3	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Magnesium	200 B	5000	41	ug/l	1	06/20/14	06/23/14	TG	SW846 6010C [2]	SW846 3010A [4]
Manganese	3.7 B	15	0.48	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Mercury	0.069 B	0.20	0.064	ug/l	1	06/25/14	06/25/14	JW	SW846 7470A [3]	SW846 7470A [5]
Nickel	0.75 U	10	0.75	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Potassium	50 U	10000	50	ug/l	1	06/20/14	06/23/14	TG	SW846 6010C [2]	SW846 3010A [4]
Selenium	3.6 U	10	3.6	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Silver	1.2 U	10	1.2	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Sodium	1610 B	10000	19	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Thallium	1.8 U	2.0	1.8	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Vanadium	0.87 U	50	0.87	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]
Zinc	7.6 U	20	7.6	ug/l	1	06/20/14	06/21/14	TG	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA34289
(2) Instrument QC Batch: MA34299
(3) Instrument QC Batch: MA34315
(4) Prep QC Batch: MP80187
(5) Prep QC Batch: MP80286

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	369-TB-14		
Lab Sample ID:	JB69534-7	**Date Sampled:**	06/17/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/17/14
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	4V9255.D	1	06/27/14	BM	n/a	n/a	V4V382
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:	369-TB-14		
Lab Sample ID:	JB69534-7	**Date Sampled:**	06/17/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/17/14
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	105%		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	105%		74-119%

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

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	370-PE-108		
Lab Sample ID:	JB69534-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	73.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110995.D	1	06/23/14	PS	n/a	n/a	V3C4998
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0185	0.013	0.0059	mg/kg	
71-43-2	Benzene	ND	0.0013	0.00016	mg/kg	
74-97-5	Bromochloromethane	ND	0.0065	0.00067	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0065	0.00036	mg/kg	
75-25-2	Bromoform	ND	0.0065	0.00034	mg/kg	
74-83-9	Bromomethane	ND	0.0065	0.00062	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.013	0.0057	mg/kg	
75-15-0	Carbon disulfide	ND	0.0065	0.00018	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0065	0.00032	mg/kg	
108-90-7	Chlorobenzene	ND	0.0065	0.00025	mg/kg	
75-00-3	Chloroethane	ND	0.0065	0.0013	mg/kg	
67-66-3	Chloroform	ND	0.0065	0.00033	mg/kg	
74-87-3	Chloromethane	ND	0.0065	0.00044	mg/kg	
110-82-7	Cyclohexane	ND	0.0065	0.00033	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.013	0.0017	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0065	0.00031	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0013	0.00071	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0065	0.00044	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0065	0.00028	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0065	0.00032	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0065	0.00046	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0065	0.00041	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0013	0.00041	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0065	0.00037	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0065	0.00027	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0065	0.00055	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0065	0.00056	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0065	0.00029	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0065	0.00035	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00023	mg/kg	
76-13-1	Freon 113	ND	0.0065	0.00056	mg/kg	
591-78-6	2-Hexanone	ND	0.0065	0.0023	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:	370-PE-108		
Lab Sample ID:	JB69534-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	73.0
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	0.0065	0.00019	mg/kg	
79-20-9	Methyl Acetate	ND	0.0065	0.0022	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0065	0.00021	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00044	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0065	0.0017	mg/kg	
75-09-2	Methylene chloride	ND	0.0065	0.0022	mg/kg	
100-42-5	Styrene	ND	0.0065	0.00030	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0065	0.00044	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0065	0.00053	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00018	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0065	0.00027	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0065	0.00023	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0065	0.00037	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0065	0.0011	mg/kg	
79-01-6	Trichloroethene	ND	0.0065	0.00045	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0065	0.00029	mg/kg	
75-01-4	Vinyl chloride	ND	0.0065	0.00044	mg/kg	
	m,p-Xylene	ND	0.0013	0.00063	mg/kg	
95-47-6	o-Xylene	ND	0.0013	0.00023	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00023	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	99%		65-123%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	114%		71-132%

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

Accutest LabLink@815166 15:13 18-Sep-2014

Report of Analysis

Client Sample ID:	370-PE-108		
Lab Sample ID:	JB69534-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62631.D	1	06/28/14	ALS	06/19/14	OP75766	E3E2683
Run #2							

	Initial Weight	Final Volume
Run #1	32.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.084	0.042	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.042	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.068	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.071	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.84	0.051	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.84	0.051	mg/kg	
95-48-7	2-Methylphenol	ND	0.084	0.048	mg/kg	
	3&4-Methylphenol	ND	0.084	0.053	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.045	mg/kg	
100-02-7	4-Nitrophenol	ND	0.42	0.071	mg/kg	
87-86-5	Pentachlorophenol	ND	0.42	0.072	mg/kg	
108-95-2	Phenol	ND	0.084	0.044	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.043	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.049	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.039	mg/kg	
83-32-9	Acenaphthene	0.650	0.042	0.012	mg/kg	
208-96-8	Acenaphthylene	ND	0.042	0.013	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0074	mg/kg	
120-12-7	Anthracene	0.371	0.042	0.015	mg/kg	
1912-24-9	Atrazine	ND	0.084	0.0083	mg/kg	
56-55-3	Benzo(a)anthracene	0.839	0.042	0.014	mg/kg	
50-32-8	Benzo(a)pyrene	0.645	0.042	0.013	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.289	0.042	0.014	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.527	0.042	0.016	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0754	0.042	0.016	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.084	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.084	0.024	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.084	0.0049	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.0097	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.084	0.013	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.013	mg/kg	
86-74-8	Carbazole	ND	0.084	0.019	mg/kg	

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

Report of Analysis

Client Sample ID:	370-PE-108		
Lab Sample ID:	JB69534-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.0
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	0.084	0.013	mg/kg	
218-01-9	Chrysene	0.898	0.042	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.084	0.017	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.084	0.013	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.084	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.084	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.042	0.018	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.042	0.016	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.084	0.011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.042	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.162	0.042	0.014	mg/kg	
132-64-9	Dibenzofuran	ND	0.084	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.084	0.0093	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.084	0.020	mg/kg	
84-66-2	Diethyl phthalate	ND	0.084	0.014	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.084	0.015	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.084	0.037	mg/kg	
206-44-0	Fluoranthene	0.455	0.042	0.019	mg/kg	
86-73-7	Fluorene	1.06	0.042	0.014	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.084	0.014	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.042	0.012	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.42	0.043	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.185	0.042	0.015	mg/kg	
78-59-1	Isophorone	ND	0.084	0.011	mg/kg	
91-57-6	2-Methylnaphthalene	0.835	0.084	0.023	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.018	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.017	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.016	mg/kg	
91-20-3	Naphthalene	ND	0.042	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.084	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.084	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.025	mg/kg	
85-01-8	Phenanthrene	1.78	0.042	0.019	mg/kg	
129-00-0	Pyrene	1.16	0.042	0.016	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	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:	370-PE-108		
Lab Sample ID:	JB69534-8	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.0
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	57%		15-110%
118-79-6	2,4,6-Tribromophenol	92%		20-123%
4165-60-0	Nitrobenzene-d5	63%		10-110%
321-60-8	2-Fluorobiphenyl	71%		17-110%
1718-51-0	Terphenyl-d14	77%		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: 370-PE-108
Lab Sample ID: JB69534-8
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/17/14
Date Received: 06/17/14
Percent Solids: 73.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5750	50	1.3	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Antimony	0.93 B	2.0	0.27	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Arsenic	7.1	2.0	0.29	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Barium	102	20	0.081	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.56	0.20	0.020	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.27 B	0.50	0.050	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Calcium	17600	500	3.1	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Chromium	15.0	1.0	0.071	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cobalt	7.4	5.0	0.060	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Copper	57.4	2.5	0.15	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Iron	11400	50	0.97	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Lead	193	2.0	0.21	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Magnesium	4060	500	3.4	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Manganese	245	1.5	0.060	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Mercury	1.1	0.081	0.018	mg/kg	2	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [4]
Nickel	18.1	4.0	0.10	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Potassium	1000	1000	4.0	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Selenium	1.4 B	2.0	0.33	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Silver	1.2	0.50	0.14	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Sodium	354 B	1000	1.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Thallium	0.51 B	1.0	0.41	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Vanadium	24.9	5.0	0.091	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Zinc	121	2.0	0.38	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Prep QC Batch: MP80244
(4) Prep QC Batch: MP80262

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:	371-PE-109		
Lab Sample ID:	JB69534-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	73.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110996.D	1	06/23/14	PS	n/a	n/a	V3C4998
Run #2							

	Initial Weight
Run #1	6.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0157	0.011	0.0048	mg/kg	
71-43-2	Benzene	ND	0.0011	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0053	0.00055	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0053	0.00030	mg/kg	
75-25-2	Bromoform	ND	0.0053	0.00028	mg/kg	
74-83-9	Bromomethane	ND	0.0053	0.00051	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0047	mg/kg	
75-15-0	Carbon disulfide	ND	0.0053	0.00015	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0053	0.00027	mg/kg	
108-90-7	Chlorobenzene	ND	0.0053	0.00021	mg/kg	
75-00-3	Chloroethane	ND	0.0053	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0053	0.00027	mg/kg	
74-87-3	Chloromethane	ND	0.0053	0.00036	mg/kg	
110-82-7	Cyclohexane	ND	0.0053	0.00027	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.011	0.0014	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0053	0.00026	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00058	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0053	0.00036	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0053	0.00023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0053	0.00027	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0053	0.00038	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0053	0.00033	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00034	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0053	0.00031	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0053	0.00022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0053	0.00045	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0053	0.00046	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0053	0.00024	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0053	0.00029	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00019	mg/kg	
76-13-1	Freon 113	ND	0.0053	0.00046	mg/kg	
591-78-6	2-Hexanone	ND	0.0053	0.0019	mg/kg	

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

Report of Analysis

Client Sample ID:	371-PE-109		
Lab Sample ID:	JB69534-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	73.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00076	0.0053	0.00016	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0053	0.0018	mg/kg	
108-87-2	Methylcyclohexane	0.00062	0.0053	0.00017	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00036	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0053	0.0014	mg/kg	
75-09-2	Methylene chloride	ND	0.0053	0.0018	mg/kg	
100-42-5	Styrene	ND	0.0053	0.00025	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0053	0.00036	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0053	0.00044	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00015	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0053	0.00022	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0053	0.00019	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0053	0.00031	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0053	0.00087	mg/kg	
79-01-6	Trichloroethene	ND	0.0053	0.00037	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0053	0.00024	mg/kg	
75-01-4	Vinyl chloride	ND	0.0053	0.00036	mg/kg	
	m,p-Xylene	ND	0.0011	0.00051	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00019	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		59-130%
17060-07-0	1,2-Dichloroethane-D4	103%		65-123%
2037-26-5	Toluene-D8	102%		77-125%
460-00-4	4-Bromofluorobenzene	112%		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:	371-PE-109		
Lab Sample ID:	JB69534-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62632.D	1	06/28/14	ALS	06/19/14	OP75766	E3E2683
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	0.090	0.045	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.045	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.072	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.075	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.90	0.055	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.90	0.055	mg/kg	
95-48-7	2-Methylphenol	ND	0.090	0.051	mg/kg	
	3&4-Methylphenol	ND	0.090	0.057	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.048	mg/kg	
100-02-7	4-Nitrophenol	ND	0.45	0.076	mg/kg	
87-86-5	Pentachlorophenol	ND	0.45	0.077	mg/kg	
108-95-2	Phenol	ND	0.090	0.047	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.22	0.046	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.22	0.052	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.042	mg/kg	
83-32-9	Acenaphthene	0.614	0.045	0.013	mg/kg	
208-96-8	Acenaphthylene	ND	0.045	0.014	mg/kg	
98-86-2	Acetophenone	ND	0.22	0.0079	mg/kg	
120-12-7	Anthracene	0.312	0.045	0.016	mg/kg	
1912-24-9	Atrazine	ND	0.090	0.0088	mg/kg	
56-55-3	Benzo(a)anthracene	0.734	0.045	0.015	mg/kg	
50-32-8	Benzo(a)pyrene	0.609	0.045	0.014	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.284	0.045	0.015	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.495	0.045	0.017	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0579	0.045	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.090	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.090	0.026	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.090	0.0052	mg/kg	
100-52-7	Benzaldehyde	ND	0.22	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.090	0.014	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.014	mg/kg	
86-74-8	Carbazole	ND	0.090	0.021	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:	371-PE-109		
Lab Sample ID:	JB69534-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.5
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	0.090	0.014	mg/kg	
218-01-9	Chrysene	0.848	0.045	0.015	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.090	0.018	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.090	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.090	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.090	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.045	0.020	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.045	0.017	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.090	0.011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.045	0.029	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.139	0.045	0.015	mg/kg	
132-64-9	Dibenzofuran	ND	0.090	0.013	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.090	0.010	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.090	0.022	mg/kg	
84-66-2	Diethyl phthalate	ND	0.090	0.015	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.090	0.016	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.090	0.040	mg/kg	
206-44-0	Fluoranthene	0.409	0.045	0.020	mg/kg	
86-73-7	Fluorene	0.961	0.045	0.015	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.090	0.015	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.045	0.012	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.45	0.046	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.160	0.045	0.016	mg/kg	
78-59-1	Isophorone	ND	0.090	0.012	mg/kg	
91-57-6	2-Methylnaphthalene	0.765	0.090	0.025	mg/kg	
88-74-4	2-Nitroaniline	ND	0.22	0.020	mg/kg	
99-09-2	3-Nitroaniline	ND	0.22	0.018	mg/kg	
100-01-6	4-Nitroaniline	ND	0.22	0.018	mg/kg	
91-20-3	Naphthalene	ND	0.045	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.090	0.013	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.090	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.027	mg/kg	
85-01-8	Phenanthrene	1.59	0.045	0.020	mg/kg	
129-00-0	Pyrene	1.11	0.045	0.017	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.22	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		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:	371-PE-109		
Lab Sample ID:	JB69534-9	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.5
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	64%		15-110%
118-79-6	2,4,6-Tribromophenol	97%		20-123%
4165-60-0	Nitrobenzene-d5	71%		10-110%
321-60-8	2-Fluorobiphenyl	79%		17-110%
1718-51-0	Terphenyl-d14	84%		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: 371-PE-109
Lab Sample ID: JB69534-9
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/17/14
Date Received: 06/17/14
Percent Solids: 73.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4280	49	1.3	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Antimony	0.84 B	1.9	0.26	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Arsenic	5.2	1.9	0.28	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Barium	80.4	19	0.078	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Beryllium	0.44	0.19	0.019	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cadmium	0.17 B	0.49	0.049	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Calcium	12200	490	2.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Chromium	10.8	0.97	0.068	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Cobalt	5.0	4.9	0.058	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Copper	31.3	2.4	0.15	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Iron	9210	49	0.93	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Lead	137	1.9	0.20	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Magnesium	3000	490	3.3	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Manganese	179	1.5	0.058	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Mercury	1.3	0.090	0.020	mg/kg	2	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.4	3.9	0.097	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Potassium	761 B	970	3.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Selenium	0.94 B	1.9	0.32	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Silver	0.94	0.49	0.14	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Sodium	328 B	970	1.8	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Thallium	0.40 U	0.97	0.40	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Vanadium	18.4	4.9	0.087	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]
Zinc	84.6	1.9	0.37	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Prep QC Batch: MP80244
(4) Prep QC Batch: MP80262

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:	372-PE-110		
Lab Sample ID:	JB69534-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	77.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110997.D	1	06/23/14	PS	n/a	n/a	V3C4998
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0416	0.014	0.0066	mg/kg	
71-43-2	Benzene	ND	0.0014	0.00018	mg/kg	
74-97-5	Bromochloromethane	ND	0.0072	0.00075	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0072	0.00040	mg/kg	
75-25-2	Bromoform	ND	0.0072	0.00038	mg/kg	
74-83-9	Bromomethane	ND	0.0072	0.00069	mg/kg	
78-93-3	2-Butanone (MEK)	0.0083	0.014	0.0063	mg/kg	J
75-15-0	Carbon disulfide	0.00058	0.0072	0.00020	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0072	0.00036	mg/kg	
108-90-7	Chlorobenzene	ND	0.0072	0.00028	mg/kg	
75-00-3	Chloroethane	ND	0.0072	0.0014	mg/kg	
67-66-3	Chloroform	ND	0.0072	0.00037	mg/kg	
74-87-3	Chloromethane	ND	0.0072	0.00049	mg/kg	
110-82-7	Cyclohexane	0.0151	0.0072	0.00037	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0072	0.00035	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0014	0.00079	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0072	0.00049	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0072	0.00031	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0072	0.00036	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0072	0.00051	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0072	0.00045	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0014	0.00046	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0072	0.00041	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0072	0.00030	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0072	0.00061	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0072	0.00063	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0072	0.00033	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0072	0.00039	mg/kg	
100-41-4	Ethylbenzene	ND	0.0014	0.00025	mg/kg	
76-13-1	Freon 113	ND	0.0072	0.00063	mg/kg	
591-78-6	2-Hexanone	ND	0.0072	0.0026	mg/kg	

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

Report of Analysis

Client Sample ID:	372-PE-110		
Lab Sample ID:	JB69534-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8260C	**Percent Solids:**	77.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0607	0.0072	0.00021	mg/kg	
79-20-9	Methyl Acetate	ND	0.0072	0.0024	mg/kg	
108-87-2	Methylcyclohexane	0.144	0.0072	0.00024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0014	0.00049	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0072	0.0019	mg/kg	
75-09-2	Methylene chloride	ND	0.0072	0.0024	mg/kg	
100-42-5	Styrene	ND	0.0072	0.00033	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0072	0.00049	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0072	0.00059	mg/kg	
108-88-3	Toluene	0.00063	0.0014	0.00020	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0072	0.00030	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0072	0.00026	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0072	0.00041	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0072	0.0012	mg/kg	
79-01-6	Trichloroethene	ND	0.0072	0.00050	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0072	0.00032	mg/kg	
75-01-4	Vinyl chloride	ND	0.0072	0.00049	mg/kg	
	m,p-Xylene	0.00078	0.0014	0.00070	mg/kg	J
95-47-6	o-Xylene	0.0037	0.0014	0.00026	mg/kg	
1330-20-7	Xylene (total)	0.0045	0.0014	0.00026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		59-130%
17060-07-0	1,2-Dichloroethane-D4	100%		65-123%
2037-26-5	Toluene-D8	107%		77-125%
460-00-4	4-Bromofluorobenzene	90%		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:	372-PE-110		
Lab Sample ID:	JB69534-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62633.D	1	06/28/14	ALS	06/19/14	OP75766	E3E2683
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.085	0.043	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.043	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.068	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.071	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.85	0.052	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.85	0.052	mg/kg	
95-48-7	2-Methylphenol	ND	0.085	0.048	mg/kg	
	3&4-Methylphenol	ND	0.085	0.054	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.045	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.072	mg/kg	
87-86-5	Pentachlorophenol	ND	0.43	0.073	mg/kg	
108-95-2	Phenol	ND	0.085	0.045	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.044	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.049	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.040	mg/kg	
83-32-9	Acenaphthene	0.818	0.043	0.012	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.014	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0075	mg/kg	
120-12-7	Anthracene	0.410	0.043	0.015	mg/kg	
1912-24-9	Atrazine	ND	0.085	0.0084	mg/kg	
56-55-3	Benzo(a)anthracene	0.894	0.043	0.014	mg/kg	
50-32-8	Benzo(a)pyrene	0.738	0.043	0.013	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.384	0.043	0.014	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.615	0.043	0.016	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0999	0.043	0.016	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.085	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.085	0.025	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.085	0.0049	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.0098	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.085	0.013	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.014	mg/kg	
86-74-8	Carbazole	ND	0.085	0.020	mg/kg	

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

Report of Analysis

Client Sample ID:	372-PE-110		
Lab Sample ID:	JB69534-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.085	0.013	mg/kg	
218-01-9	Chrysene	0.962	0.043	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.085	0.017	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.085	0.013	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.085	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.085	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.019	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.016	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.085	0.011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.186	0.043	0.015	mg/kg	
132-64-9	Dibenzofuran	ND	0.085	0.013	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.085	0.0094	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.085	0.021	mg/kg	
84-66-2	Diethyl phthalate	ND	0.085	0.015	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.085	0.015	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.085	0.038	mg/kg	
206-44-0	Fluoranthene	0.505	0.043	0.019	mg/kg	
86-73-7	Fluorene	1.29	0.043	0.014	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.085	0.014	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.043	0.012	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.43	0.043	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.230	0.043	0.015	mg/kg	
78-59-1	Isophorone	ND	0.085	0.011	mg/kg	
91-57-6	2-Methylnaphthalene	4.23	0.085	0.024	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.019	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.017	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.017	mg/kg	
91-20-3	Naphthalene	ND	0.043	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.085	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.085	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.025	mg/kg	
85-01-8	Phenanthrene	2.26	0.043	0.019	mg/kg	
129-00-0	Pyrene	1.22	0.043	0.016	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		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:	372-PE-110		
Lab Sample ID:	JB69534-10	**Date Sampled:**	06/17/14
Matrix:	SO - Soil	**Date Received:**	06/17/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	68%		15-110%
118-79-6	2,4,6-Tribromophenol	100%		20-123%
4165-60-0	Nitrobenzene-d5	84%		10-110%
321-60-8	2-Fluorobiphenyl	80%		17-110%
1718-51-0	Terphenyl-d14	83%		30-124%

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

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

Report of Analysis

Client Sample ID: 372-PE-110
Lab Sample ID: JB69534-10
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/17/14
Date Received: 06/17/14
Percent Solids: 77.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5460	48	1.3	mg/kg	1	06/24/14	06/25/14	ND	SW846 6010C [3]	SW846 3050B [4]
Antimony	0.81 B	1.9	0.26	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Arsenic	7.9	1.9	0.28	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Barium	123	19	0.077	mg/kg	1	06/24/14	06/25/14	ND	SW846 6010C [3]	SW846 3050B [4]
Beryllium	0.50	0.19	0.019	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.24 B	0.48	0.048	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Calcium	19800	480	2.9	mg/kg	1	06/24/14	06/25/14	ND	SW846 6010C [3]	SW846 3050B [4]
Chromium	13.9	0.97	0.068	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Cobalt	6.3	4.8	0.058	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Copper	46.5	2.4	0.15	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Iron	10700	48	0.93	mg/kg	1	06/24/14	06/25/14	ND	SW846 6010C [3]	SW846 3050B [4]
Lead	254	1.9	0.20	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Magnesium	3280	480	3.3	mg/kg	1	06/24/14	06/25/14	ND	SW846 6010C [3]	SW846 3050B [4]
Manganese	204	1.5	0.058	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Mercury	10.3	0.78	0.18	mg/kg	20	06/25/14	06/25/14	JW	SW846 7471B [1]	SW846 7471B [5]
Nickel	15.2	3.9	0.097	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Potassium	980	970	3.9	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Selenium	1.8 B	1.9	0.32	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Silver	1.2	0.48	0.14	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Sodium	376 B	970	1.8	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Thallium	0.51 B	0.97	0.40	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Vanadium	24.1	4.8	0.087	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]
Zinc	116	1.9	0.37	mg/kg	1	06/24/14	06/24/14	ND	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA34307
(2) Instrument QC Batch: MA34311
(3) Instrument QC Batch: MA34313
(4) Prep QC Batch: MP80244
(5) Prep QC Batch: MP80262

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 # JB69534

Client / Reporting Information

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

Project Information

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

Billing Information (if different from Report to)

Company Name
Street Address
City State Zip
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs	SVOCs	TAL Metals	LAB USE ONLY
1	3163 - PE-99*		6/16/14	1335	CBM	S	4					1	2	1		X	X	X	E43
2	3164 - PE-98		6/16/14	1400	CBM	S	4					1	2	1		X	X	X	A23
3	3165 - PE-95		6/16/14	1510	CBM	S	4					1	2	1		X	X	X	V797
4	3166 - PE-96		6/16/14	1515	CBM	S	4					1	2	1		X	X	X	
5	3167 - PE-97		6/16/14	1520	CBM	S	4					1	2	1		X	X	X	C37
6	3168 - FB-15		6/17/14	0735	CBM	FB	6	3		1	2					X	X	X	14P6
7	3169 - TB-14		6/17/14	0740	CBM	TB	2	2								X			4950
8	370 - PE-108		6/17/14	0745	CBM	S	4					1	2	1		X	X	X	
9	371 - PE-109		6/17/14	0750	CBM	S	4					1	2	1		X	X	X	
10	372 - PE-110		6/17/14	0755	CBM	S	4					1	2	1		X	X	X	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

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

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

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

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

Comments / Special Instructions

electronic copies only please
report to ug/KG & MDL
* extra volume collected
and labeled for MS/MSD

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

1 Relinquished by Sampler:	Date Time: 6/17/2014	Received By: 1	Chris Law	Relinquished By: 2	Chris Law	Date Time: 1635 6/17/14	Received By: 2
3 Relinquished by Sampler:	Date Time:	Received By: 3		Relinquished By: 4		Date Time:	Received By: 4
5 Relinquished by:	Date Time:	Received By: 5		Custody Seal #	☐ Intact ☐ Not intact	Preserved where applicable ☒	On Ice ☒ Cooler Temp. 3.5°C

IG

JB69534

SAMPLE #	MEOH VIAL	D.I. VIAL	D.I. VIAL
1	45094, 44999	5934, 5914	5435, 5915
2	4514	5914	5955
3	4516	5949	5948
4	4518	5952	5953
5	4501	5918	5919
6			
7			
8	4514	5924	5925
9	4522	5961	5960
10	4512	5941	5940
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JB69534: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB69534 **Client:** **Project:**

Date / Time Received: 6/17/2014 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (3.5/3.2); 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

JB69534: Chain of Custody
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Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69534

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69534-1	Collected: 16-JUN-14 13:35 By: CBM		Received: 17-JUN-14 By: AS			
363-PE-99						
JB69534-1	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-1	SW846 8260C	23-JUN-14 14:26	PS			VC8260TCL20
JB69534-1	SW846 6010C	24-JUN-14 17:51	ND	24-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB69534-1	SW846 7471B	25-JUN-14 13:18	JW	25-JUN-14	JW	HG
JB69534-1	SW846 8270D	27-JUN-14 23:34	KLS	19-JUN-14	FN	AB8270TCL20
JB69534-2	Collected: 16-JUN-14 14:00 By: CBM		Received: 17-JUN-14 By: AS			
364-PE-98						
JB69534-2	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-2	SW846 8260C	23-JUN-14 16:46	PS			VC8260TCL20
JB69534-2	SW846 6010C	24-JUN-14 20:03	ND	24-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB69534-2	SW846 7471B	25-JUN-14 13:23	JW	25-JUN-14	JW	HG
JB69534-2	SW846 8270D	28-JUN-14 18:32	ALS	19-JUN-14	FN	AB8270TCL20
JB69534-3	Collected: 16-JUN-14 15:10 By: CBM		Received: 17-JUN-14 By: AS			
365-PE-95						
JB69534-3	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-3	SW846 8260C	23-JUN-14 19:09	PS			VC8260TCL20
JB69534-3	SW846 6010C	24-JUN-14 20:09	ND	24-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB69534-3	SW846 7471B	25-JUN-14 13:25	JW	25-JUN-14	JW	HG
JB69534-3	SW846 8270D	28-JUN-14 18:59	ALS	19-JUN-14	FN	AB8270TCL20
JB69534-4	Collected: 16-JUN-14 15:15 By: CBM		Received: 17-JUN-14 By: AS			
366-PE-96						
JB69534-4	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-4	SW846 8260C	23-JUN-14 19:37	PS			VC8260TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69534

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69534-4	SW846 6010C	24-JUN-14 20:15	ND	24-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB69534-4	SW846 7471B	25-JUN-14 13:29	JW	25-JUN-14	JW	HG
JB69534-4	SW846 8270D	28-JUN-14 19:26	ALS	19-JUN-14	FN	AB8270TCL20
JB69534-5	Collected: 16-JUN-14 15:20 By: CBM		Received: 17-JUN-14 By: AS			
367-PE-97						
JB69534-5	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-5	SW846 8260C	23-JUN-14 20:05	PS			VC8260TCL20
JB69534-5	SW846 6010C	24-JUN-14 20:21	ND	24-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB69534-5	SW846 7471B	25-JUN-14 13:30	JW	25-JUN-14	JW	HG
JB69534-5	SW846 8270D	28-JUN-14 19:53	ALS	19-JUN-14	FN	AB8270TCL20
JB69534-6	Collected: 17-JUN-14 07:35 By: CBM		Received: 17-JUN-14 By: AS			
368-FB-15						
JB69534-6	SW846 6010C	21-JUN-14 01:53	TG	20-JUN-14	GM	AG,AS,BA,BE,CA,CD,CO,CR,CU,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB69534-6	SW846 6010C	23-JUN-14 21:25	TG	20-JUN-14	GM	AL,FE,K,MG
JB69534-6	SW846 7470A	25-JUN-14 16:16	JW	25-JUN-14	JW	HG
JB69534-6	SW846 8260C	27-JUN-14 11:50	BM			VC8260TCL20
JB69534-6	SW846 8270D	27-JUN-14 23:28	SP	23-JUN-14	RM	AB8270TCL20
JB69534-7	Collected: 17-JUN-14 07:55 By: CBM		Received: 17-JUN-14 By: AS			
369-TB-14						
JB69534-7	SW846 8260C	27-JUN-14 12:17	BM			VC8260TCL20
JB69534-8	Collected: 17-JUN-14 07:45 By: CBM		Received: 17-JUN-14 By: AS			
370-PE-108						
JB69534-8	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-8	SW846 8260C	23-JUN-14 20:32	PS			VC8260TCL20
JB69534-8	SW846 6010C	24-JUN-14 20:39	ND	24-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69534

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69534-8	SW846 7471B	25-JUN-14 15:08	JW	25-JUN-14	JW	HG
JB69534-8	SW846 8270D	28-JUN-14 20:19	ALS	19-JUN-14	FN	AB8270TCL20
JB69534-9	Collected: 17-JUN-14 07:50 By: CBM		Received: 17-JUN-14 By: AS			
371-PE-109						
JB69534-9	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-9	SW846 8260C	23-JUN-14 21:00	PS			VC8260TCL20
JB69534-9	SW846 6010C	24-JUN-14 20:45	ND	24-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB69534-9	SW846 7471B	25-JUN-14 15:10	JW	25-JUN-14	JW	HG
JB69534-9	SW846 8270D	28-JUN-14 20:46	ALS	19-JUN-14	FN	AB8270TCL20
JB69534-10	Collected: 17-JUN-14 07:55 By: CBM		Received: 17-JUN-14 By: AS			
372-PE-110						
JB69534-10	SM2540 G-97	19-JUN-14 14:55	AC			%SOL
JB69534-10	SW846 8260C	23-JUN-14 21:28	PS			VC8260TCL20
JB69534-10	SW846 6010C	24-JUN-14 20:51	ND	24-JUN-14	GM	AG,AS,BE,CD,CO,CR,CU,K,MN, NA,NI,PB,SB,SE,TL,V,ZN
JB69534-10	SW846 7471B	25-JUN-14 15:11	JW	25-JUN-14	JW	HG
JB69534-10	SW846 6010C	25-JUN-14 15:40	ND	24-JUN-14	GM	AL,BA,CA,FE,MG
JB69534-10	SW846 8270D	28-JUN-14 21:13	ALS	19-JUN-14	FN	AB8270TCL20

Accutest Internal Chain of Custody

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/17/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69534-1.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-1.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-1.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage
JB69534-1.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-1.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-1.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-1.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-1.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-1.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-1.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-1.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-1.1	Gina Montenegro	Samreen Bano	06/24/14 10:11	Custody Transfer
JB69534-1.1	Samreen Bano	Secured Staging Area	06/24/14 12:11	Return to Storage
JB69534-1.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-1.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-1.1
JB69534-1.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-1.1
JB69534-1.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-1.1
JB69534-1.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-1.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-1.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-1.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-1.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-1.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-1.3	Secured Storage	Prashant Shukla	06/23/14 12:40	Retrieve from Storage
JB69534-1.3	Prashant Shukla	GCMS3C	06/23/14 12:40	Load on Instrument
JB69534-1.3	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-1.3	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-1.6	Secured Storage	Prashant Shukla	06/23/14 12:19	Retrieve from Storage
JB69534-1.6	Prashant Shukla	GCMS3C	06/23/14 12:19	Load on Instrument
JB69534-1.6	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-1.6	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-1.7	Secured Storage	Prashant Shukla	06/23/14 12:19	Retrieve from Storage
JB69534-1.7	Prashant Shukla	GCMS3C	06/23/14 12:19	Load on Instrument
JB69534-1.7	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-1.7	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-2.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-2.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-2.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/17/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69534-2.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-2.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-2.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-2.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-2.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-2.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-2.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-2.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-2.1	Gina Montenegro	Samreen Bano	06/24/14 10:11	Custody Transfer
JB69534-2.1	Samreen Bano	Secured Staging Area	06/24/14 12:11	Return to Storage
JB69534-2.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-2.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-2.1
JB69534-2.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-2.1
JB69534-2.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-2.1
JB69534-2.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-2.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-2.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-2.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-2.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-2.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-2.4	Secured Storage	Prashant Shukla	06/23/14 14:51	Retrieve from Storage
JB69534-2.4	Prashant Shukla	GCMS3C	06/23/14 14:51	Load on Instrument
JB69534-2.4	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-2.4	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-3.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-3.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-3.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage
JB69534-3.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-3.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-3.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-3.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-3.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-3.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-3.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-3.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-3.1	Gina Montenegro	Samreen Bano	06/24/14 10:11	Custody Transfer
JB69534-3.1	Samreen Bano	Secured Staging Area	06/24/14 12:11	Return to Storage
JB69534-3.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-3.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-3.1

Accutest Internal Chain of Custody

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/17/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69534-3.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-3.1
JB69534-3.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-3.1
JB69534-3.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-3.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-3.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-3.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-3.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-3.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-3.3	Secured Storage	Prashant Shukla	06/23/14 15:12	Retrieve from Storage
JB69534-3.3	Prashant Shukla	GCMS3C	06/23/14 15:12	Load on Instrument
JB69534-3.3	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-3.3	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-4.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-4.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-4.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage
JB69534-4.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-4.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-4.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-4.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-4.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-4.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-4.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-4.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-4.1	Gina Montenegro	Samreen Bano	06/24/14 10:11	Custody Transfer
JB69534-4.1	Samreen Bano	Secured Staging Area	06/24/14 12:11	Return to Storage
JB69534-4.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-4.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-4.1
JB69534-4.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-4.1
JB69534-4.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-4.1
JB69534-4.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-4.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-4.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-4.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-4.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-4.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-4.3	Secured Storage	Prashant Shukla	06/23/14 15:12	Retrieve from Storage
JB69534-4.3	Prashant Shukla	GCMS3C	06/23/14 15:12	Load on Instrument
JB69534-4.3	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument

Accutest Internal Chain of Custody

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/17/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69534-4.3	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-5.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-5.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-5.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage
JB69534-5.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-5.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-5.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-5.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-5.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-5.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-5.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-5.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-5.1	Gina Montenegro	Samreen Bano	06/24/14 10:11	Custody Transfer
JB69534-5.1	Samreen Bano	Secured Staging Area	06/24/14 12:11	Return to Storage
JB69534-5.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-5.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-5.1
JB69534-5.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-5.1
JB69534-5.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-5.1
JB69534-5.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-5.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-5.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-5.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-5.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-5.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-5.3	Secured Storage	Prashant Shukla	06/23/14 15:12	Retrieve from Storage
JB69534-5.3	Prashant Shukla	GCMS3C	06/23/14 15:12	Load on Instrument
JB69534-5.3	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-5.3	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-6.2	Secured Storage	Brian Johnson	06/23/14 05:15	Retrieve from Storage
JB69534-6.2	Brian Johnson		06/23/14 10:58	Depleted
JB69534-6.2.1	Brian Johnson	Organics Prep	06/23/14 05:31	Extract from JB69534-6.2
JB69534-6.2.1	Organics Prep	Raghava Marthi	06/23/14 18:00	Extract from JB69534-6.2
JB69534-6.2.1	Raghava Marthi	Extract Storage	06/23/14 18:00	Return to Storage
JB69534-6.2.1	Extract Storage	Saumil Patel	06/27/14 14:41	Retrieve from Storage
JB69534-6.2.1	Saumil Patel	GCMSM	06/27/14 14:41	Load on Instrument
JB69534-6.2.1	GCMSM	Saumil Patel	06/30/14 07:51	Unload from Instrument
JB69534-6.2.1	Saumil Patel	Extract Freezer	06/30/14 07:51	Return to Storage
JB69534-6.2.1	Extract Freezer		08/04/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/17/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69534-6.3	Secured Storage	Gina Montenegro	06/20/14 11:17	Retrieve from Storage
JB69534-6.3	Gina Montenegro	Secured Storage	06/20/14 14:54	Return to Storage
JB69534-6.3	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-6.3.1	Gina Montenegro	Metals Digestion	06/20/14 11:17	Digestate from JB69534-6.3
JB69534-6.3.1	Gina Montenegro	Metals Digestate Storage	06/20/14 11:17	Return to Storage
JB69534-6.3.1	Metals Digestion	Gina Montenegro	06/20/14 11:17	Digestate from JB69534-6.3
JB69534-6.3.1	Metals Digestate Storage	Thomas Gabriel	06/23/14 13:49	Retrieve from Storage
JB69534-6.3.1	Thomas Gabriel	Metals Digestate Storage	06/23/14 16:50	Return to Storage
JB69534-6.3.1	Metals Digestate Storage		08/27/14 09:00	Disposed
JB69534-6.6	Secured Storage	Toan Pham	06/25/14 17:23	Retrieve from Storage
JB69534-6.6	Toan Pham	VOA Prep Storage	06/25/14 17:23	Return to Storage
JB69534-6.6	VOA Prep Storage	Benjamin Mendez	06/27/14 11:03	Retrieve from Storage
JB69534-6.6	Benjamin Mendez	GCMS4V	06/27/14 11:03	Load on Instrument
JB69534-6.6	GCMS4V	Benjamin Mendez	06/30/14 11:30	Unload from Instrument
JB69534-6.6	Benjamin Mendez	Secured Storage	06/30/14 11:30	Return to Storage
JB69534-6.6	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-7.2	Secured Storage	Toan Pham	06/25/14 17:23	Retrieve from Storage
JB69534-7.2	Toan Pham	VOA Prep Storage	06/25/14 17:23	Return to Storage
JB69534-7.2	VOA Prep Storage	Benjamin Mendez	06/27/14 11:03	Retrieve from Storage
JB69534-7.2	Benjamin Mendez	GCMS4V	06/27/14 11:03	Load on Instrument
JB69534-7.2	GCMS4V	Benjamin Mendez	06/30/14 11:30	Unload from Instrument
JB69534-7.2	Benjamin Mendez	Secured Storage	06/30/14 11:30	Return to Storage
JB69534-7.2	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-8.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-8.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-8.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage
JB69534-8.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-8.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-8.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-8.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-8.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-8.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-8.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-8.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-8.1	Gina Montenegro	Samreen Bano	06/24/14 10:11	Custody Transfer
JB69534-8.1	Samreen Bano	Secured Staging Area	06/24/14 12:11	Return to Storage
JB69534-8.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-8.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-8.1

Accutest Internal Chain of Custody

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/17/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69534-8.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-8.1
JB69534-8.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-8.1
JB69534-8.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-8.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-8.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-8.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-8.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-8.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-8.3	Secured Storage	Prashant Shukla	06/23/14 15:12	Retrieve from Storage
JB69534-8.3	Prashant Shukla	GCMS3C	06/23/14 15:12	Load on Instrument
JB69534-8.3	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-8.3	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-9.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-9.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-9.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage
JB69534-9.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-9.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-9.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-9.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-9.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-9.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-9.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-9.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-9.1	Gina Montenegro	Samreen Bano	06/24/14 10:11	Custody Transfer
JB69534-9.1	Samreen Bano	Secured Staging Area	06/24/14 12:11	Return to Storage
JB69534-9.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-9.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-9.1
JB69534-9.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-9.1
JB69534-9.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-9.1
JB69534-9.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-9.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-9.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-9.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-9.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-9.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-9.3	Secured Storage	Prashant Shukla	06/23/14 15:12	Retrieve from Storage
JB69534-9.3	Prashant Shukla	GCMS3C	06/23/14 15:12	Load on Instrument
JB69534-9.3	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument

Accutest Internal Chain of Custody

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/17/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69534-9.3	Prashant Shukla		06/24/14 11:44	Depleted
JB69534-10.1	Secured Storage	Donald Phelps	06/18/14 15:31	Retrieve from Storage
JB69534-10.1	Donald Phelps	Secured Staging Area	06/18/14 15:31	Return to Storage
JB69534-10.1	Secured Staging Area	Ryta Dilanyan	06/18/14 17:09	Retrieve from Storage
JB69534-10.1	Ryta Dilanyan	Secured Storage	06/18/14 18:49	Return to Storage
JB69534-10.1	Secured Storage	Alfredo Crespo	06/19/14 13:04	Retrieve from Storage
JB69534-10.1	Alfredo Crespo	Secured Staging Area	06/19/14 13:04	Return to Storage
JB69534-10.1	Secured Staging Area	Andrew Csimbok	06/19/14 14:42	Retrieve from Storage
JB69534-10.1	Andrew Csimbok	Secured Storage	06/19/14 15:19	Return to Storage
JB69534-10.1	Secured Storage	Alfredo Crespo	06/24/14 07:39	Retrieve from Storage
JB69534-10.1	Alfredo Crespo	Secured Staging Area	06/24/14 07:39	Return to Storage
JB69534-10.1	Secured Staging Area	Gina Montenegro	06/24/14 08:27	Retrieve from Storage
JB69534-10.1	Gina Montenegro	Secured Storage	06/24/14 11:49	Return to Storage
JB69534-10.1	Shirley Grzybowski		07/28/14 07:31	Disposed
JB69534-10.1.1	Ryta Dilanyan	Organics Prep	06/18/14 17:09	Extract from JB69534-10.1
JB69534-10.1.2	Gina Montenegro	Metals Digestion	06/24/14 09:54	Digestate from JB69534-10.1
JB69534-10.1.2	Metals Digestion	Gina Montenegro	06/24/14 10:28	Digestate from JB69534-10.1
JB69534-10.1.2	Gina Montenegro	Metals Digestate Storage	06/24/14 10:28	Return to Storage
JB69534-10.1.2	Metals Digestate Storage	Nancy Duan	06/24/14 14:41	Retrieve from Storage
JB69534-10.1.2	Nancy Duan	Metals Digestate Storage	06/24/14 14:41	Return to Storage
JB69534-10.1.2	Metals Digestate Storage	Thomas Gabriel	06/25/14 16:28	Retrieve from Storage
JB69534-10.1.2	Thomas Gabriel	Metals Digestate Storage	06/25/14 16:31	Return to Storage
JB69534-10.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69534-10.3	Secured Storage	Prashant Shukla	06/23/14 15:12	Retrieve from Storage
JB69534-10.3	Prashant Shukla	GCMS3C	06/23/14 15:12	Load on Instrument
JB69534-10.3	GCMS3C	Prashant Shukla	06/24/14 11:43	Unload from Instrument
JB69534-10.3	Prashant Shukla		06/24/14 11:44	Depleted

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JB69534
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
V3C4998-MB	3C110977.D	1	06/23/14	PS	n/a	n/a	V3C4998

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

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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: JB69534
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
V3C4998-MB	3C110977.D	1	06/23/14	PS	n/a	n/a	V3C4998

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

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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	107%	59-130%
17060-07-0	1,2-Dichloroethane-D4	103%	65-123%
2037-26-5	Toluene-D8	103%	77-125%
460-00-4	4-Bromofluorobenzene	118%	71-132%

Method Blank Summary

Job Number: JB69534
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
V4V382-MB	4V9250.D	1	06/27/14	BM	n/a	n/a	V4V382

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

JB69534-6, JB69534-7

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: JB69534
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
V4V382-MB	4V9250.D	1	06/27/14	BM	n/a	n/a	V4V382

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

JB69534-6, JB69534-7

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	109%	79-120%
17060-07-0	1,2-Dichloroethane-D4	99%	72-123%
2037-26-5	Toluene-D8	107%	78-119%
460-00-4	4-Bromofluorobenzene	102%	74-119%

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

Blank Spike Summary

Job Number: JB69534
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
V3C4998-BS	3C110978.D	1	06/23/14	PS	n/a	n/a	V3C4998

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

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	33.4	67	50-147
71-43-2	Benzene	50	45.9	92	75-122
74-97-5	Bromochloromethane	50	50.8	102	77-127
75-27-4	Bromodichloromethane	50	50.8	102	79-132
75-25-2	Bromoform	50	51.6	103	76-134
74-83-9	Bromomethane	50	37.8	76	56-151
78-93-3	2-Butanone (MEK)	50	45.9	92	68-137
75-15-0	Carbon disulfide	50	46.0	92	70-129
56-23-5	Carbon tetrachloride	50	52.5	105	71-148
108-90-7	Chlorobenzene	50	46.7	93	78-120
75-00-3	Chloroethane	50	40.8	82	64-145
67-66-3	Chloroform	50	45.5	91	75-124
74-87-3	Chloromethane	50	42.7	85	51-139
110-82-7	Cyclohexane	50	49.6	99	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	51.1	102	69-134
124-48-1	Dibromochloromethane	50	53.4	107	79-130
106-93-4	1,2-Dibromoethane	50	51.8	104	80-122
95-50-1	1,2-Dichlorobenzene	50	46.5	93	76-118
541-73-1	1,3-Dichlorobenzene	50	46.9	94	75-120
106-46-7	1,4-Dichlorobenzene	50	45.7	91	73-116
75-71-8	Dichlorodifluoromethane	50	48.2	96	34-161
75-34-3	1,1-Dichloroethane	50	48.3	97	78-128
107-06-2	1,2-Dichloroethane	50	51.6	103	75-139
75-35-4	1,1-Dichloroethene	50	49.3	99	73-128
156-59-2	cis-1,2-Dichloroethene	50	49.8	100	76-123
156-60-5	trans-1,2-Dichloroethene	50	48.9	98	74-123
78-87-5	1,2-Dichloropropane	50	47.0	94	78-125
10061-01-5	cis-1,3-Dichloropropene	50	49.8	100	75-115
10061-02-6	trans-1,3-Dichloropropene	50	48.3	97	80-125
100-41-4	Ethylbenzene	50	46.2	92	75-122
76-13-1	Freon 113	50	47.5	95	60-155
591-78-6	2-Hexanone	50	44.1	88	69-134
98-82-8	Isopropylbenzene	50	48.4	97	73-123
79-20-9	Methyl Acetate	50	46.0	92	59-133
108-87-2	Methylcyclohexane	50	46.1	92	63-142
1634-04-4	Methyl Tert Butyl Ether	100	85.8	86	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
V3C4998-BS	3C110978.D	1	06/23/14	PS	n/a	n/a	V3C4998

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

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	48.3	97	72-130
75-09-2	Methylene chloride	50	43.5	87	72-122
100-42-5	Styrene	50	50.8	102	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	50.6	101	70-117
127-18-4	Tetrachloroethene	50	47.5	95	70-136
108-88-3	Toluene	50	43.7	87	75-122
87-61-6	1,2,3-Trichlorobenzene	50	54.3	109	67-135
120-82-1	1,2,4-Trichlorobenzene	50	56.4	113	64-137
71-55-6	1,1,1-Trichloroethane	50	50.6	101	78-136
79-00-5	1,1,2-Trichloroethane	50	46.1	92	75-123
79-01-6	Trichloroethene	50	49.4	99	81-130
75-69-4	Trichlorofluoromethane	50	46.8	94	57-146
75-01-4	Vinyl chloride	50	42.3	85	55-133
	m,p-Xylene	100	93.7	94	75-122
95-47-6	o-Xylene	50	47.9	96	75-121
1330-20-7	Xylene (total)	150	142	95	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	59-130%
17060-07-0	1,2-Dichloroethane-D4	101%	65-123%
2037-26-5	Toluene-D8	104%	77-125%
460-00-4	4-Bromofluorobenzene	115%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
V4V382-BS	4V9251.D	1	06/27/14	BM	n/a	n/a	V4V382

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

JB69534-6, JB69534-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	55.0	110	52-152
71-43-2	Benzene	50	47.0	94	80-121
74-97-5	Bromochloromethane	50	51.6	103	82-125
75-27-4	Bromodichloromethane	50	53.1	106	83-127
75-25-2	Bromoform	50	46.9	94	74-131
74-83-9	Bromomethane	50	46.2	92	45-155
78-93-3	2-Butanone (MEK)	50	57.1	114	67-136
75-15-0	Carbon disulfide	50	55.1	110	69-129
56-23-5	Carbon tetrachloride	50	50.8	102	77-138
108-90-7	Chlorobenzene	50	48.7	97	82-119
75-00-3	Chloroethane	50	63.4	127	61-151
67-66-3	Chloroform	50	50.9	102	79-124
74-87-3	Chloromethane	50	43.6	87	48-148
110-82-7	Cyclohexane	50	47.6	95	72-129
96-12-8	1,2-Dibromo-3-chloropropane	50	41.8	84	66-137
124-48-1	Dibromochloromethane	50	48.3	97	81-127
106-93-4	1,2-Dibromoethane	50	49.0	98	79-122
95-50-1	1,2-Dichlorobenzene	50	47.1	94	81-121
541-73-1	1,3-Dichlorobenzene	50	47.6	95	81-119
106-46-7	1,4-Dichlorobenzene	50	46.8	94	80-116
75-71-8	Dichlorodifluoromethane	50	36.6	73	33-161
75-34-3	1,1-Dichloroethane	50	53.4	107	78-129
107-06-2	1,2-Dichloroethane	50	48.7	97	75-133
75-35-4	1,1-Dichloroethene	50	56.6	113	74-128
156-59-2	cis-1,2-Dichloroethene	50	51.8	104	78-123
156-60-5	trans-1,2-Dichloroethene	50	53.1	106	75-122
78-87-5	1,2-Dichloropropane	50	54.6	109	80-124
10061-01-5	cis-1,3-Dichloropropene	50	55.8	112	75-114
10061-02-6	trans-1,3-Dichloropropene	50	57.4	115	78-123
100-41-4	Ethylbenzene	50	45.9	92	82-120
76-13-1	Freon 113	50	54.7	109	65-150
591-78-6	2-Hexanone	50	60.2	120	65-135
98-82-8	Isopropylbenzene	50	46.4	93	80-124
79-20-9	Methyl Acetate	50	47.6	95	53-137
108-87-2	Methylcyclohexane	50	44.6	89	62-142
1634-04-4	Methyl Tert Butyl Ether	100	108	108	74-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
V4V382-BS	4V9251.D	1	06/27/14	BM	n/a	n/a	V4V382

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

JB69534-6, JB69534-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	55.8	112	68-135
75-09-2	Methylene chloride	50	54.8	110	75-121
100-42-5	Styrene	50	46.7	93	81-123
79-34-5	1,1,2,2-Tetrachloroethane	50	46.1	92	71-123
127-18-4	Tetrachloroethene	50	47.8	96	69-141
108-88-3	Toluene	50	56.2	112	80-122
87-61-6	1,2,3-Trichlorobenzene	50	44.9	90	71-138
120-82-1	1,2,4-Trichlorobenzene	50	44.0	88	77-132
71-55-6	1,1,1-Trichloroethane	50	56.5	113	80-132
79-00-5	1,1,2-Trichloroethane	50	61.0	122	80-127
79-01-6	Trichloroethene	50	50.5	101	82-126
75-69-4	Trichlorofluoromethane	50	52.6	105	63-141
75-01-4	Vinyl chloride	50	46.3	93	53-135
	m,p-Xylene	100	92.3	92	81-121
95-47-6	o-Xylene	50	46.0	92	82-121
1330-20-7	Xylene (total)	150	138	92	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	118%	78-119%
460-00-4	4-Bromofluorobenzene	109%	74-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
JB69534-1MS	3C110979.D	1	06/23/14	PS	n/a	n/a	V3C4998
JB69534-1MSD	3C110980.D	1	06/23/14	PS	n/a	n/a	V3C4998
JB69534-1	3C110983.D	1	06/23/14	PS	n/a	n/a	V3C4998

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

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	JB69534-1 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	13.4		47.8	63.9	106	47	62.6	105	2	10-181/30
71-43-2	Benzene	ND		47.8	48.2	101	47	49.0	104	2	45-131/22
74-97-5	Bromochloromethane	ND		47.8	49.1	103	47	49.5	105	1	50-131/21
75-27-4	Bromodichloromethane	ND		47.8	50.1	105	47	50.4	107	1	44-138/22
75-25-2	Bromoform	ND		47.8	46.4	97	47	45.8	97	1	34-140/24
74-83-9	Bromomethane	ND		47.8	44.6	93	47	41.4	88	7	18-152/31
78-93-3	2-Butanone (MEK)	ND		47.8	53.5	112	47	51.2	109	4	25-156/27
75-15-0	Carbon disulfide	0.28	J	47.8	50.7	106	47	47.4	100	7	28-139/25
56-23-5	Carbon tetrachloride	ND		47.8	57.0	119	47	56.4	120	1	33-153/25
108-90-7	Chlorobenzene	ND		47.8	48.4	101	47	49.4	105	2	34-138/24
75-00-3	Chloroethane	ND		47.8	48.9	102	47	45.6	97	7	26-142/27
67-66-3	Chloroform	ND		47.8	48.0	100	47	48.7	104	1	51-129/21
74-87-3	Chloromethane	ND		47.8	50.0	105	47	47.8	102	4	34-134/24
110-82-7	Cyclohexane	ND		47.8	53.9	113	47	52.9	113	2	13-150/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		47.8	42.2	88	47	41.3	88	2	22-145/29
124-48-1	Dibromochloromethane	ND		47.8	50.4	105	47	51.7	110	3	41-137/22
106-93-4	1,2-Dibromoethane	ND		47.8	46.8	98	47	47.4	101	1	41-133/22
95-50-1	1,2-Dichlorobenzene	ND		47.8	44.5	93	47	44.4	95	0	22-140/27
541-73-1	1,3-Dichlorobenzene	ND		47.8	47.0	98	47	47.0	100	0	21-141/27
106-46-7	1,4-Dichlorobenzene	ND		47.8	45.5	95	47	45.1	96	1	20-140/27
75-71-8	Dichlorodifluoromethane	ND		47.8	58.3	122	47	54.9	117	6	10-156/30
75-34-3	1,1-Dichloroethane	ND		47.8	52.1	109	47	52.6	112	1	50-130/22
107-06-2	1,2-Dichloroethane	ND		47.8	47.8	100	47	48.9	104	2	49-136/21
75-35-4	1,1-Dichloroethene	ND		47.8	55.3	116	47	55.6	118	1	32-143/23
156-59-2	cis-1,2-Dichloroethene	ND		47.8	52.4	110	47	53.1	113	1	46-129/22
156-60-5	trans-1,2-Dichloroethene	ND		47.8	53.6	112	47	53.6	114	0	41-131/22
78-87-5	1,2-Dichloropropane	ND		47.8	47.4	99	47	48.6	103	3	46-131/21
10061-01-5	cis-1,3-Dichloropropene	ND		47.8	48.4	101	47	49.6	106	2	40-134/23
10061-02-6	trans-1,3-Dichloropropene	ND		47.8	45.4	95	47	45.7	97	1	37-137/23
100-41-4	Ethylbenzene	ND		47.8	49.6	104	47	50.4	107	2	30-139/26
76-13-1	Freon 113	ND		47.8	51.5	108	47	55.0	117	7	16-157/27
591-78-6	2-Hexanone	ND		47.8	44.5	93	47	42.1	90	6	19-155/29
98-82-8	Isopropylbenzene	ND		47.8	52.6	110	47	52.1	111	1	26-141/26
79-20-9	Methyl Acetate	ND		47.8	37.8	79	47	41.8	89	10	17-179/29
108-87-2	Methylcyclohexane	0.65	J	47.8	50.2	104	47	52.0	109	4	10-150/30
1634-04-4	Methyl Tert Butyl Ether	ND		47.8	41.1	86	47	41.2	88	0	45-130/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
JB69534-1MS	3C110979.D	1	06/23/14	PS	n/a	n/a	V3C4998
JB69534-1MSD	3C110980.D	1	06/23/14	PS	n/a	n/a	V3C4998
JB69534-1	3C110983.D	1	06/23/14	PS	n/a	n/a	V3C4998

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

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	JB69534-1 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		47.8	39.6	83	47	39.6	84	0	31-140/25
75-09-2	Methylene chloride	ND		47.8	44.0	92	47	44.4	95	1	44-127/21
100-42-5	Styrene	ND		47.8	51.9	109	47	52.8	112	2	30-143/26
79-34-5	1,1,2,2-Tetrachloroethane	ND		47.8	45.1	94	47	44.3	94	2	30-131/27
127-18-4	Tetrachloroethene	ND		47.8	55.8	117	47	57.5	122	3	15-183/26
108-88-3	Toluene	ND		47.8	45.8	96	47	46.6	99	2	38-135/23
87-61-6	1,2,3-Trichlorobenzene	ND		47.8	47.5	99	47	46.2	98	3	10-159/33
120-82-1	1,2,4-Trichlorobenzene	ND		47.8	52.2	109	47	50.5	108	3	10-161/33
71-55-6	1,1,1-Trichloroethane	ND		47.8	56.0	117	47	56.0	119	0	43-142/23
79-00-5	1,1,2-Trichloroethane	ND		47.8	43.3	91	47	42.6	91	2	37-135/25
79-01-6	Trichloroethene	ND		47.8	53.8	113	47	54.1	115	1	29-161/23
75-69-4	Trichlorofluoromethane	ND		47.8	55.6	116	47	55.0	117	1	14-160/29
75-01-4	Vinyl chloride	ND		47.8	51.1	107	47	48.4	103	5	31-140/24
	m,p-Xylene	ND		95.6	101	106	94	102	109	1	29-140/26
95-47-6	o-Xylene	ND		47.8	50.6	106	47	51.5	110	2	31-140/24
1330-20-7	Xylene (total)	ND		143	151	105	141	154	109	2	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB69534-1	Limits
1868-53-7	Dibromofluoromethane	107%	106%	109%	59-130%
17060-07-0	1,2-Dichloroethane-D4	95%	93%	103%	65-123%
2037-26-5	Toluene-D8	102%	103%	101%	77-125%
460-00-4	4-Bromofluorobenzene	116%	114%	118%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
JB69628-4MS	4V9256.D	1	06/27/14	BM	n/a	n/a	V4V382
JB69628-4MSD	4V9257.D	1	06/27/14	BM	n/a	n/a	V4V382
JB69628-4	4V9253.D	1	06/27/14	BM	n/a	n/a	V4V382

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

JB69534-6, JB69534-7

CAS No.	Compound	JB69628-4 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	61.9	124	50	58.9	118	5	44-160/20
71-43-2	Benzene	5.4		50	50.5	90	50	50.4	90	0	50-136/12
74-97-5	Bromochloromethane	ND		50	53.2	106	50	52.8	106	1	74-131/11
75-27-4	Bromodichloromethane	ND		50	50.3	101	50	49.4	99	2	74-132/11
75-25-2	Bromoform	ND		50	50.5	101	50	50.0	100	1	68-136/12
74-83-9	Bromomethane	ND		50	45.5	91	50	44.7	89	2	37-157/21
78-93-3	2-Butanone (MEK)	ND		50	56.9	114	50	57.8	116	2	60-145/15
75-15-0	Carbon disulfide	ND		50	50.9	102	50	50.4	101	1	37-143/17
56-23-5	Carbon tetrachloride	ND		50	49.8	100	50	49.4	99	1	46-152/17
108-90-7	Chlorobenzene	ND		50	46.7	93	50	47.6	95	2	70-127/12
75-00-3	Chloroethane	ND		50	50.6	101	50	49.9	100	1	44-147/16
67-66-3	Chloroform	ND		50	49.6	99	50	49.3	99	1	67-129/12
74-87-3	Chloromethane	ND		50	41.6	83	50	40.5	81	3	40-149/19
110-82-7	Cyclohexane	ND		50	47.7	95	50	48.8	98	2	31-153/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	46.6	93	50	44.6	89	4	61-144/14
124-48-1	Dibromochloromethane	ND		50	48.3	97	50	48.4	97	0	74-131/10
106-93-4	1,2-Dibromoethane	ND		50	49.5	99	50	49.9	100	1	74-129/10
95-50-1	1,2-Dichlorobenzene	1.8		50	46.9	90	50	46.9	90	0	73-126/11
541-73-1	1,3-Dichlorobenzene	0.70	J	50	45.7	90	50	45.3	89	1	71-124/12
106-46-7	1,4-Dichlorobenzene	0.96	J	50	46.0	90	50	45.6	89	1	71-123/12
75-71-8	Dichlorodifluoromethane	ND		50	42.8	86	50	42.3	85	1	20-161/25
75-34-3	1,1-Dichloroethane	ND		50	52.2	104	50	51.6	103	1	61-134/12
107-06-2	1,2-Dichloroethane	ND		50	50.7	101	50	51.3	103	1	68-137/11
75-35-4	1,1-Dichloroethene	ND		50	53.9	108	50	53.0	106	2	40-143/17
156-59-2	cis-1,2-Dichloroethene	0.33	J	50	51.2	102	50	50.5	100	1	59-133/12
156-60-5	trans-1,2-Dichloroethene	0.45	J	50	52.3	104	50	52.1	103	0	55-132/14
78-87-5	1,2-Dichloropropane	ND		50	51.5	103	50	51.5	103	0	70-128/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	48.6	97	50	49.2	98	1	73-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	51.1	102	50	52.4	105	3	72-128/11
100-41-4	Ethylbenzene	6.4		50	49.6	86	50	49.7	87	0	49-137/13
76-13-1	Freon 113	ND		50	53.6	107	50	54.5	109	2	32-161/23
591-78-6	2-Hexanone	ND		50	53.2	106	50	55.7	111	5	59-145/14
98-82-8	Isopropylbenzene	2.6		50	42.7	80	50	42.8	80	0	57-136/14
79-20-9	Methyl Acetate	ND		50	55.0	110	50	53.8	108	2	46-148/15
108-87-2	Methylcyclohexane	ND		50	46.4	93	50	47.6	95	3	30-155/21
1634-04-4	Methyl Tert Butyl Ether	ND		50	56.5	113	50	55.2	110	2	64-134/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
JB69628-4MS	4V9256.D	1	06/27/14	BM	n/a	n/a	V4V382
JB69628-4MSD	4V9257.D	1	06/27/14	BM	n/a	n/a	V4V382
JB69628-4	4V9253.D	1	06/27/14	BM	n/a	n/a	V4V382

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

JB69534-6, JB69534-7

CAS No.	Compound	JB69628-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		50	52.5	105	50	53.0	106	1	63-144/13
75-09-2	Methylene chloride	ND		50	56.3	113	50	55.0	110	2	64-128/11
100-42-5	Styrene	ND		50	47.3	95	50	47.1	94	0	67-130/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	45.2	90	50	44.4	89	2	68-131/11
127-18-4	Tetrachloroethene	ND		50	45.6	91	50	46.6	93	2	48-143/15
108-88-3	Toluene	ND		50	47.3	95	50	49.0	98	4	54-137/13
87-61-6	1,2,3-Trichlorobenzene	ND		50	46.3	93	50	44.8	90	3	62-143/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	44.6	89	50	43.8	88	2	66-138/12
71-55-6	1,1,1-Trichloroethane	ND		50	54.1	108	50	54.0	108	0	52-145/16
79-00-5	1,1,2-Trichloroethane	ND		50	52.2	104	50	53.1	106	2	73-130/10
79-01-6	Trichloroethene	0.93	J	50	49.2	97	50	49.4	97	0	54-141/13
75-69-4	Trichlorofluoromethane	ND		50	51.6	103	50	51.7	103	0	33-159/25
75-01-4	Vinyl chloride	ND		50	44.4	89	50	44.0	88	1	36-149/19
	m,p-Xylene	ND		100	88.9	89	100	89.8	90	1	50-137/12
95-47-6	o-Xylene	0.36	J	50	45.8	91	50	45.8	91	0	60-134/12
1330-20-7	Xylene (total)	0.66	J	150	135	90	150	136	90	1	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB69628-4	Limits
1868-53-7	Dibromofluoromethane	107%	105%	104%	79-120%
17060-07-0	1,2-Dichloroethane-D4	105%	102%	101%	72-123%
2037-26-5	Toluene-D8	104%	105%	106%	78-119%
460-00-4	4-Bromofluorobenzene	104%	103%	108%	74-119%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3C4989-BFB	**Injection Date:**	06/17/14
Lab File ID:	3C110758.D	**Injection Time:**	17:37
Instrument ID:	GCMS3C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8958	20.2		Pass
75	30.0 - 60.0% of mass 95	22392	50.5		Pass
95	Base peak, 100% relative abundance	44384	100.0		Pass
96	5.0 - 9.0% of mass 95	2978	6.71		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	31696	71.4		Pass
175	5.0 - 9.0% of mass 174	2537	5.72	(8.00) [a]	Pass
176	95.0 - 101.0% of mass 174	31026	69.9	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2023	4.56	(6.52) [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
V3C4989-IC4989	3C110759.D	06/17/14	18:16	00:39	Initial cal 0.2
V3C4989-IC4989	3C110760.D	06/17/14	18:44	01:07	Initial cal 0.5
V3C4989-IC4989	3C110761.D	06/17/14	19:12	01:35	Initial cal 1
V3C4989-IC4989	3C110762.D	06/17/14	19:40	02:03	Initial cal 2
V3C4989-IC4989	3C110763.D	06/17/14	20:07	02:30	Initial cal 5
V3C4989-IC4989	3C110764.D	06/17/14	20:35	02:58	Initial cal 10
V3C4989-IC4989	3C110765.D	06/17/14	21:03	03:26	Initial cal 20
V3C4989-ICC4989	3C110766.D	06/17/14	21:31	03:54	Initial cal 50
V3C4989-IC4989	3C110767.D	06/17/14	21:59	04:22	Initial cal 100
V3C4989-IC4989	3C110768.D	06/17/14	22:26	04:49	Initial cal 200
V3C4989-ICV4989	3C110771.D	06/17/14	23:49	06:12	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3C4998-BFB	**Injection Date:**	06/23/14
Lab File ID:	3C110974.D	**Injection Time:**	09:53
Instrument ID:	GCMS3C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11868	24.7		Pass
75	30.0 - 60.0% of mass 95	26498	55.1		Pass
95	Base peak, 100% relative abundance	48082	100.0		Pass
96	5.0 - 9.0% of mass 95	3211	6.68		Pass
173	Less than 2.0% of mass 174	92	0.19	(0.30) [a]	Pass
174	50.0 - 120.0% of mass 95	30813	64.1		Pass
175	5.0 - 9.0% of mass 174	2328	4.84	(7.56) [a]	Pass
176	95.0 - 101.0% of mass 174	30741	63.9	(99.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2058	4.28	(6.69) [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
V3C4998-CC4989	3C110975.D	06/23/14	10:21	00:28	Continuing cal 20
V3C4998-MB	3C110977.D	06/23/14	11:24	01:31	Method Blank
V3C4998-BS	3C110978.D	06/23/14	11:52	01:59	Blank Spike
JB69534-1MS	3C110979.D	06/23/14	12:35	02:42	Matrix Spike
JB69534-1MSD	3C110980.D	06/23/14	13:03	03:10	Matrix Spike Duplicate
ZZZZZZ	3C110982.D	06/23/14	13:58	04:05	(unrelated sample)
JB69534-1	3C110983.D	06/23/14	14:26	04:33	363-PE-99
ZZZZZZ	3C110984.D	06/23/14	14:54	05:01	(unrelated sample)
ZZZZZZ	3C110985.D	06/23/14	15:22	05:29	(unrelated sample)
ZZZZZZ	3C110986.D	06/23/14	15:50	05:57	(unrelated sample)
JB69374-9	3C110987.D	06/23/14	16:18	06:25	(used for QC only; not part of job JB69534)
JB69534-2	3C110988.D	06/23/14	16:46	06:53	364-PE-98
ZZZZZZ	3C110990.D	06/23/14	18:14	08:21	(unrelated sample)
ZZZZZZ	3C110991.D	06/23/14	18:41	08:48	(unrelated sample)
JB69534-3	3C110992.D	06/23/14	19:09	09:16	365-PE-95
JB69534-4	3C110993.D	06/23/14	19:37	09:44	366-PE-96
JB69534-5	3C110994.D	06/23/14	20:05	10:12	367-PE-97
JB69534-8	3C110995.D	06/23/14	20:32	10:39	370-PE-108
JB69534-9	3C110996.D	06/23/14	21:00	11:07	371-PE-109
JB69534-10	3C110997.D	06/23/14	21:28	11:35	372-PE-110

Instrument Performance Check (BFB)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V4V368-BFB	**Injection Date:**	06/17/14
Lab File ID:	4V8912.D	**Injection Time:**	10:56
Instrument ID:	GCMS4V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8885	15.9		Pass
75	30.0 - 60.0% of mass 95	24259	43.4		Pass
95	Base peak, 100% relative abundance	55909	100.0		Pass
96	5.0 - 9.0% of mass 95	3676	6.57		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	48363	86.5		Pass
175	5.0 - 9.0% of mass 174	3730	6.67	(7.71) [a]	Pass
176	95.0 - 101.0% of mass 174	46987	84.0	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	3058	5.47	(6.51) [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
V4V368-IC368	4V8913.D	06/17/14	11:27	00:31	Initial cal 5
V4V368-IC368	4V8914.D	06/17/14	11:53	00:57	Initial cal 2
V4V368-IC368	4V8915.D	06/17/14	12:19	01:23	Initial cal 1
V4V368-IC368	4V8916.D	06/17/14	12:46	01:50	Initial cal 0.5
V4V368-IC368	4V8917.D	06/17/14	13:12	02:16	Initial cal 0.2
V4V368-IC368	4V8918.D	06/17/14	13:38	02:42	Initial cal 10
V4V368-IC368	4V8919.D	06/17/14	14:05	03:09	Initial cal 20
V4V368-ICC368	4V8920.D	06/17/14	14:31	03:35	Initial cal 50
V4V368-IC368	4V8921.D	06/17/14	14:58	04:02	Initial cal 100
V4V368-IC368	4V8922.D	06/17/14	15:24	04:28	Initial cal 200
V4V368-ICV368	4V8925.D	06/17/14	16:43	05:47	Initial cal verification 50
ZZZZZZ	4V8928.D	06/17/14	18:03	07:07	(unrelated sample)
ZZZZZZ	4V8929.D	06/17/14	18:29	07:33	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V4V382-BFB	**Injection Date:**	06/27/14
Lab File ID:	4V9247.D	**Injection Time:**	08:35
Instrument ID:	GCMS4V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11974	15.7		Pass
75	30.0 - 60.0% of mass 95	32597	42.9		Pass
95	Base peak, 100% relative abundance	76029	100.0		Pass
96	5.0 - 9.0% of mass 95	5067	6.66		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	60179	79.2		Pass
175	5.0 - 9.0% of mass 174	4628	6.09	(7.69) [a]	Pass
176	95.0 - 101.0% of mass 174	58189	76.5	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3807	5.01	(6.54) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4V382-CC368	4V9248.D	06/27/14	09:03	00:28	Continuing cal 20
V4V382-MB	4V9250.D	06/27/14	10:03	01:28	Method Blank
V4V382-BS	4V9251.D	06/27/14	10:30	01:55	Blank Spike
JB69628-4	4V9253.D	06/27/14	11:24	02:49	(used for QC only; not part of job JB69534)
JB69534-6	4V9254.D	06/27/14	11:50	03:15	368-FB-15
JB69534-7	4V9255.D	06/27/14	12:17	03:42	369-TB-14
JB69628-4MS	4V9256.D	06/27/14	12:43	04:08	Matrix Spike
JB69628-4MSD	4V9257.D	06/27/14	13:09	04:34	Matrix Spike Duplicate
ZZZZZZ	4V9259.D	06/27/14	14:02	05:27	(unrelated sample)
ZZZZZZ	4V9260.D	06/27/14	14:28	05:53	(unrelated sample)
ZZZZZZ	4V9261.D	06/27/14	14:55	06:20	(unrelated sample)
ZZZZZZ	4V9262.D	06/27/14	15:21	06:46	(unrelated sample)
ZZZZZZ	4V9263.D	06/27/14	15:48	07:13	(unrelated sample)
ZZZZZZ	4V9264.D	06/27/14	16:14	07:39	(unrelated sample)
ZZZZZZ	4V9265.D	06/27/14	16:41	08:06	(unrelated sample)
ZZZZZZ	4V9266.D	06/27/14	17:07	08:32	(unrelated sample)
ZZZZZZ	4V9267.D	06/27/14	17:34	08:59	(unrelated sample)
ZZZZZZ	4V9269.D	06/27/14	18:27	09:52	(unrelated sample)
ZZZZZZ	4V9270.D	06/27/14	18:53	10:18	(unrelated sample)
ZZZZZZ	4V9271.D	06/27/14	19:19	10:44	(unrelated sample)
ZZZZZZ	4V9272.D	06/27/14	19:46	11:11	(unrelated sample)
ZZZZZZ	4V9273.D	06/27/14	20:12	11:37	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3C4998-CC4989	**Injection Date:**	06/23/14
Lab File ID:	3C110975.D	**Injection Time:**	10:21
Instrument ID:	GCMS3C	**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	58053	7.30	131458	9.54	174700	10.46	114205	13.59	44790	15.88
Upper Limit [a]	116106	7.80	262916	10.04	349400	10.96	228410	14.09	89580	16.38
Lower Limit [b]	29027	6.80	65729	9.04	87350	9.96	57103	13.09	22395	15.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C4998-MB	53504	7.31	128947	9.54	172321	10.46	111450	13.59	42025	15.88
V3C4998-BS	64135	7.31	141863	9.54	190483	10.46	126094	13.59	50882	15.88
JB69534-1MS	54105	7.30	149881	9.54	204127	10.45	130135	13.59	51686	15.88
JB69534-1MSD	47396	7.30	136713	9.54	185874	10.46	118283	13.59	47908	15.88
ZZZZZZ	58696	7.30	132221	9.54	179602	10.46	111851	13.59	39937	15.88
JB69534-1	62029	7.31	145437	9.54	195914	10.46	128033	13.59	49503	15.88
ZZZZZZ	59477	7.31	134236	9.54	181323	10.46	116913	13.59	44660	15.88
ZZZZZZ	68423	7.31	145240	9.54	195655	10.46	129536	13.59	48926	15.88
ZZZZZZ	61361	7.31	133393	9.54	180581	10.46	118855	13.59	45745	15.88
JB69374-9	54890	7.30	143904	9.54	193708	10.46	131642	13.59	55487	15.88
JB69534-2	63037	7.31	143789	9.54	194659	10.46	125738	13.59	48058	15.88
ZZZZZZ	70477	7.30	145985	9.54	196126	10.46	124183	13.59	45005	15.88
ZZZZZZ	63738	7.30	144860	9.54	198482	10.46	125330	13.59	47713	15.88
JB69534-3	51908	7.31	129091	9.54	173770	10.46	112246	13.59	45574	15.88
JB69534-4	61391	7.30	147399	9.54	197608	10.46	127073	13.59	49213	15.88
JB69534-5	58986	7.30	147147	9.54	197660	10.46	127938	13.59	49057	15.88
JB69534-8	55376	7.30	144335	9.54	194500	10.46	124628	13.59	50012	15.88
JB69534-9	60578	7.30	145833	9.54	197140	10.46	129863	13.59	53693	15.88
JB69534-10	50290	7.30	128109	9.54	172412	10.46	109809	13.59	40290	15.89

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: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V4V382-CC368	**Injection Date:**	06/27/14
Lab File ID:	4V9248.D	**Injection Time:**	09:03
Instrument ID:	GCMS4V	**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	140450	7.45	162083	9.93	228211	10.90	222610	14.10	138277	16.45
Upper Limit [a]	280900	7.95	324166	10.43	456422	11.40	445220	14.60	276554	16.95
Lower Limit [b]	70225	6.95	81042	9.43	114106	10.40	111305	13.60	69139	15.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4V382-MB	152163	7.45	158349	9.93	208761	10.89	204228	14.10	125550	16.45
V4V382-BS	142635	7.46	163039	9.94	236691	10.90	258532	14.10	145871	16.45
JB69628-4	143889	7.45	164601	9.93	222040	10.89	218683	14.10	128284	16.45
JB69534-6	145588	7.46	170287	9.94	236092	10.90	231508	14.10	133371	16.45
JB69534-7	141569	7.46	164621	9.94	227067	10.90	221592	14.10	131620	16.45
JB69628-4MS	148309	7.46	161651	9.93	230549	10.90	216752	14.10	138730	16.45
JB69628-4MSD	149209	7.47	172876	9.93	244675	10.90	235889	14.10	150271	16.45
ZZZZZZ	141311	7.45	162802	9.93	210637	10.89	209586	14.10	130675	16.45
ZZZZZZ	139766	7.45	156113	9.93	202495	10.89	201046	14.10	125476	16.45
ZZZZZZ	128925	7.45	163677	9.93	232568	10.90	228011	14.10	131569	16.45
ZZZZZZ	136785	7.46	168142	9.93	244981	10.90	233260	14.10	130669	16.45
ZZZZZZ	132013	7.45	160317	9.93	212373	10.90	216347	14.10	128655	16.45
ZZZZZZ	141318	7.46	162533	9.94	227668	10.90	223756	14.10	132217	16.45
ZZZZZZ	141269	7.46	165109	9.93	218329	10.90	222184	14.10	138024	16.45
ZZZZZZ	140490	7.46	154049	9.93	200194	10.89	195323	14.10	115817	16.45
ZZZZZZ	132186	7.45	156379	9.93	208373	10.90	200192	14.10	123388	16.45
ZZZZZZ	133688	7.45	150567	9.93	196434	10.89	189743	14.10	115512	16.45
ZZZZZZ	132309	7.44	158652	9.93	216092	10.90	204000	14.10	128398	16.45
ZZZZZZ	132079	7.45	162046	9.93	225296	10.90	226173	14.10	136221	16.45
ZZZZZZ	131497	7.45	153702	9.93	203722	10.90	207523	14.10	127458	16.45
ZZZZZZ	129797	7.46	160731	9.93	226455	10.90	221993	14.10	126794	16.45

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: JB69534
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
JB69534-6	4V9254.D	105	101	106	107
JB69534-7	4V9255.D	105	101	107	105
JB69628-4MS	4V9256.D	107	105	104	104
JB69628-4MSD	4V9257.D	105	102	105	103
V4V382-BS	4V9251.D	103	102	118	109
V4V382-MB	4V9250.D	109	99	107	102

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: JB69534
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
JB69534-1	3C110983.D	109	103	101	118
JB69534-2	3C110988.D	109	102	101	116
JB69534-3	3C110992.D	107	100	102	111
JB69534-4	3C110993.D	107	102	101	116
JB69534-5	3C110994.D	107	101	101	116
JB69534-8	3C110995.D	107	99	100	114
JB69534-9	3C110996.D	109	103	102	112
JB69534-10	3C110997.D	104	100	107	90
JB69534-1MS	3C110979.D	107	95	102	116
JB69534-1MSD	3C110980.D	106	93	103	114
V3C4998-BS	3C110978.D	109	101	104	115
V3C4998-MB	3C110977.D	107	103	103	118

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: JB69534 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3C

Method : C:\MSDCHEM\1\METHODS\M3C4989.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Calibration Files
5 =3C110763.D 10 =3C110764.D 0.5 =3C110760.D 50 =3C110766.D
100 =3C110767.D 1 =3C110761.D 200 =3C110768.D 20 =3C110765.D
2 =3C110762.D 0.2 =3C110759.D = =

Compound	5	10	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------ISTD----------											
2) 1,4-dioxane	0.100	0.114	0.107	0.100		0.102	0.105	0.108			0.105	4.92
3) tertiary butyl alcohol	1.600	1.752	1.791	1.618	1.468	1.823	1.522	1.573	1.808		1.662	8.05
4) ethanol											0.000	-1.00
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.636	0.651	0.626	0.593		0.657	0.606				0.628	4.01
7) dichlorodifluoromethane	0.718	0.752	0.694	0.654		0.694	0.692	0.667			0.696	4.64
8) chloromethane	0.849	0.927	0.832	0.801		0.841	0.819	0.964			0.862	6.97
9) vinyl chloride	0.713	0.769	0.689	0.660		0.705	0.690	0.746			0.710	5.20
10) bromomethane	0.376	0.414	0.346	0.312			0.357	0.396			0.367	9.97
11) chloroethane	0.334	0.369	0.322	0.301		0.289	0.325	0.328			0.324	7.91
12) Vinyl Bromide											0.000	-1.00
13) Pentane											0.000	-1.00
14) trichlorofluoromethane	0.746	0.843	0.736	0.684		0.716	0.737	0.768			0.747	6.65
15) ethyl ether	0.271	0.305	0.320	0.294	0.224	0.310	0.298	0.311			0.292	10.66
16) acrolein	0.093	0.091	0.104		0.087	0.115	0.093	0.097			0.097	9.64
17) 1,1-dichloroethene	0.873	0.965	0.883	0.917	0.862	0.814	0.892	0.899	0.935	0.876	0.892	4.66
18) acetone	0.060	0.058	0.079	0.060		0.055	0.067				0.063	13.58
19) allyl chloride	0.267	0.302	0.295	0.279		0.291	0.289	0.304			0.290	4.43
20) acetonitrile	0.046	0.052	0.052	0.049		0.053	0.048				0.050	5.58
21) iodomethane	0.685	0.763	0.663	0.730	0.692	0.615	0.717	0.714	0.757		0.704	6.62
22) iso-butyl alcohol	0.017	0.019	0.023	0.021		0.024	0.020	0.022			0.021	12.37
23) carbon disulfide												

Initial Calibration Summary

Job Number: JB69534 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
      1.739 1.907 1.926 1.778 1.687 1.680 1.734 1.764 1.891 2.074  1.818    6.96
24)  methylene chloride
      0.646 0.653       0.572 0.532       0.542 0.576              0.587    8.77
25)  methyl acetate
      0.053 0.069       0.081 0.073       0.080 0.069              0.071   13.91
26)  methyl tert butyl ether
      1.560 1.706 1.783 1.758 1.614 1.499 1.721 1.628 1.661 1.847  1.678    6.32
27)  trans-1,2-dichloroethene
      0.866 0.984 0.893 0.959 0.898 0.799 0.932 0.934 0.961 0.965  0.919    6.13
28)  di-isopropyl ether
      2.151 2.400 2.167 2.499 2.280 2.504 2.420 2.303 2.295 2.021  2.304    6.85
29)  ethyl tert-butyl ether
      1.879 2.124 1.952 2.227 2.045 2.156 2.199 2.037 2.026 1.807  2.045    6.69
30)  2-butanone
      0.052 0.051       0.071 0.060       0.064 0.061              0.060   12.60
31)  1,1-dichloroethane
      1.068 1.162 1.065 1.139 1.058 0.980 1.093 1.098 1.116 1.044  1.082    4.77
32)  chloroprene
      0.872 0.997 0.789 1.021 0.958 0.993 1.038 0.946 0.931 0.681  0.923   12.19
33)  acrylonitrile
      0.161 0.175       0.197 0.176       0.191 0.184 0.168        0.179    7.11
34)  vinyl acetate
            0.067       0.084 0.080       0.086 0.077              0.079    9.22
35)  ethyl acetate
      0.055 0.071       0.085 0.075       0.083 0.070              0.073   14.44
36)  2,2-dichloropropane
      0.867 0.979 0.881 0.930 0.887 0.805 0.919 0.926 0.964        0.906    5.85
37)  cis-1,2-dichloroethene
      1.042 1.163 1.069 1.151 1.069 0.913 1.117 1.106 1.101 0.965  1.070    7.38
38)  propionitrile
      0.059 0.069       0.077 0.069       0.076 0.070 0.061        0.069    9.89
39)  Methyl Acrylate
      0.033 0.048       0.068 0.061       0.070 0.056              0.056   24.59
            ----- Linear regression -----  Coefficient =  0.9969
              Response Ratio = -0.00567 + 0.06988 *A

40)  bromochloromethane
      0.214 0.235       0.233 0.215 0.168 0.230 0.222 0.213        0.216    9.83
41)  tetrahydrofuran
      0.052 0.057       0.069 0.062       0.068 0.061              0.061   10.20
42)  chloroform
      0.926 1.037 1.193 0.986 0.923 0.912 0.969 0.967 1.023 1.294  1.023   12.26
43)  tert-Butyl Formate
      0.415 0.434       0.524 0.475 0.436 0.541 0.460 0.446        0.466    9.54
44)  dibromofluoromethane (s)
      0.482 0.495       0.456 0.420       0.452 0.429              0.455    6.41
45)  1,2-dichloroethane-d4 (s)
      0.753 0.718       0.668 0.602       0.658 0.620              0.670    8.55
46)  freon 113
      0.340 0.358       0.338 0.315       0.332 0.322 0.440        0.349   12.11
47)  methacrylonitrile
      0.286 0.310       0.364 0.337       0.380 0.320 0.319        0.331    9.78
48)  1,1,1-trichloroethane
      0.828 0.901 0.809 0.843 0.812 0.763 0.853 0.836 0.875 0.866  0.839    4.66
49)  Cyclohexane
      0.784 0.901 0.900 0.824 0.770 0.778 0.797 0.819 0.865 0.769  0.821    6.26
50)  Tert Amyl Alcohol
      0.029 0.029       0.032 0.028 0.033 0.034 0.029 0.031        0.031    7.66
51)  2,2,4-trimethylpentane
      2.432 2.779 2.393 2.602 2.427 2.892 2.505 2.545 2.565 2.667  2.581    6.23
```

Initial Calibration Summary

Job Number: JB69534 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

52) tert-amyl methyl ether
1.570 1.775 1.885 1.837 1.653 1.967 1.757 1.678 1.769 2.190 1.808 9.78

53) I 1,4-difluorobenzene ----------ISTD----------
54) epichlorohydrin
0.029 0.035 0.038 0.035 0.036 0.040 0.034 0.032 0.035 9.40
55) n-butyl alcohol
0.009 0.010 0.013 0.012 0.014 0.011 0.011 16.38
----- Linear regression ----- Coefficient = 0.9942
Response Ratio = -0.05625 + 0.01363 *A

56) carbon tetrachloride
0.506 0.554 0.515 0.518 0.496 0.453 0.525 0.513 0.548 0.547 0.518 5.75
57) 1,1-dichloropropene
0.525 0.609 0.627 0.564 0.534 0.521 0.561 0.557 0.608 0.567 6.85
58) hexane
0.605 0.694 0.662 0.601 0.644 0.636 0.640 5.50
59) benzene
1.617 1.773 1.724 1.643 1.499 1.557 1.516 1.649 1.754 1.937 1.667 8.04
60) heptane
0.362 0.412 0.391 0.359 0.452 0.386 0.383 0.396 0.393 7.54
61) isopropyl acetate
0.060 0.065 0.080 0.068 0.078 0.070 0.070 11.01
62) 1,2-dichloroethane
0.542 0.593 0.555 0.595 0.544 0.533 0.571 0.571 0.593 0.448 0.554 7.88
63) trichloroethene
0.365 0.405 0.381 0.393 0.368 0.351 0.385 0.387 0.414 0.383 5.20
64) ethyl acrylate
0.356 0.409 0.501 0.451 0.518 0.449 0.355 0.434 14.90
65) Tert-Amyl ethyl ether
0.528 0.581 0.448 0.604 0.556 0.542 0.608 0.554 0.556 0.553 8.62
66) 2-nitropropane
0.128 0.138 0.159 0.141 0.147 0.163 0.144 0.156 0.147 8.06
67) 2-chloroethyl vinyl ether
0.130 0.154 0.118 0.173 0.154 0.146 0.171 0.156 0.141 0.149 12.06
68) methyl methacrylate
0.055 0.068 0.082 0.076 0.084 0.072 0.073 14.30
69) 1,2-dichloropropane
0.428 0.474 0.443 0.463 0.431 0.402 0.452 0.453 0.446 0.443 4.78
70) methylcyclohexane
0.665 0.755 0.654 0.696 0.649 0.818 0.687 0.675 0.712 0.680 0.699 7.45
71) dibromomethane
0.188 0.203 0.211 0.196 0.153 0.212 0.200 0.197 0.195 9.65
72) bromodichloromethane
0.472 0.531 0.434 0.540 0.511 0.422 0.553 0.515 0.498 0.497 9.25
73) cis-1,3-dichloropropene
0.575 0.647 0.555 0.667 0.629 0.544 0.676 0.646 0.584 0.520 0.604 9.19
74) toluene-d8 (s)
1.235 1.355 1.282 1.166 1.239 1.237 1.551 1.295 9.76
75) 4-methyl-2-pentanone
0.106 0.129 0.150 0.137 0.154 0.136 0.135 12.65
76) toluene
1.511 1.638 1.886 1.562 1.447 1.510 1.489 1.565 1.664 1.586 8.34
77) 3-methyl-1-butanol
0.006 0.008 0.011 0.010 0.011 0.009 0.009 19.79
----- Linear regression ----- Coefficient = 0.9944
Response Ratio = -0.01977 + 0.01130 *A

78) trans-1,3-dichloropropene
0.502 0.574 0.516 0.597 0.554 0.469 0.590 0.568 0.520 0.543 8.06

Initial Calibration Summary

Job Number: JB69534 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 79)  ethyl methacrylate
       0.337 0.404       0.476 0.441       0.488 0.429 0.333        0.415   14.84
 80)  1,1,2-trichloroethane
       0.236 0.268 0.235 0.271 0.250 0.201 0.269 0.263 0.283        0.253   10.02
 81)  2-hexanone
       0.094 0.122       0.137 0.118       0.131 0.118              0.120   12.25

 82) I   chlorobenzene-d5      ----------------ISTD--------------------
 83)  tetrachloroethene
       0.454 0.495 0.492 0.478 0.431 0.427 0.420 0.453 0.487        0.460    6.39
 84)  1,3-dichloropropane
       0.640 0.709 0.637 0.709 0.655 0.566 0.681 0.685 0.702        0.665    6.96
 85)  butyl acetate
       0.253 0.293       0.330 0.305 0.256 0.340 0.293 0.248        0.290   12.14
 86)  dibromochloromethane
       0.372 0.405 0.332 0.421 0.405 0.316 0.435 0.389 0.374        0.383   10.31
 87)  1,2-dibromoethane
       0.302 0.340 0.298 0.354 0.333 0.243 0.356 0.331 0.342        0.322   11.13
 88)  3,3-Dimethyl-1-Butanol
       0.034 0.041       0.055 0.049       0.059 0.044 0.038        0.046   20.00
             ----- Linear regression -----  Coefficient =  0.9937
               Response Ratio = -0.04756 + 0.05845 *A

 89)  chlorobenzene
       1.136 1.238 1.366 1.176 1.111 1.134 1.140 1.158 1.269        1.192    7.00
 90)  1,1,1,2-tetrachloroethane
       0.398 0.439 0.409 0.434 0.414 0.350 0.427 0.412 0.450        0.415    7.07
 91)  ethylbenzene
       2.188 2.371 2.444 2.207 2.080 2.062 2.064 2.203 2.324 2.810  2.275   10.06
 92)  m,p-xylene
       0.765 0.838 0.829 0.788 0.745 0.705 0.740 0.787 0.828 0.883  0.791    6.86
 93)  o-xylene
       1.735 1.927 1.942 1.825 1.726 1.590 1.730 1.801 1.858 1.858  1.799    5.93
 94)  styrene
       1.055 1.213 1.042 1.262 1.205 0.919 1.232 1.184 1.105 1.079  1.130    9.53
 95)  BUTYL ACRYLATE
                                                                    0.000   -1.00
 96)  bromoform
       0.205 0.229       0.255 0.244 0.165 0.268 0.229 0.223        0.227   13.97

 97) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 98)  isopropylbenzene
       4.843 5.186 5.077 4.786 4.430 4.577 4.437 4.823 5.217 6.148  4.952   10.22
 99)  4-bromofluorobenzene (s)
       1.585 1.653       1.540 1.388       1.461 1.452              1.513    6.45
100)  bromobenzene
       1.024 1.128 0.978 1.069 0.979 0.996 0.978 1.048 1.130        1.037    5.94
101)  cyclohexanone
       0.202 0.213       0.276 0.218       0.206 0.233              0.224   12.14
102)  1,1,2,2-tetrachloroethane
       1.017 1.118 1.178 1.156 1.034 0.953 1.100 1.104 1.080        1.082    6.53
103)  trans-1,4-dichloro-2-butene
       0.266 0.332       0.381 0.358       0.404 0.338 0.286        0.338   14.60
104)  1,2,3-trichloropropane
       0.248 0.276       0.285 0.253       0.265 0.269 0.266        0.266    4.80
105)  n-propylbenzene
       5.449 5.929 5.795 5.528 5.089 4.909 4.990 5.560 5.826 6.043  5.512    7.30
106)  4-Ethyltoluene
       4.358 4.643 4.341 4.466 4.055 4.468 4.290 4.493 4.615 4.505  4.423    3.88
107)  2-chlorotoluene
```

Initial Calibration Summary

Job Number: JB69534 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
       1.081 1.194 1.077 1.069 0.989 0.954 0.978 1.085 1.209        1.071    8.32
108)  4-chlorotoluene
       1.052 1.145 1.227 1.086 1.013 1.021 1.035 1.060 1.143        1.087    6.54
109)  1,3,5-trimethylbenzene
       3.997 4.559 4.667 4.134 3.814 3.713 3.626 4.018 4.327 4.148  4.100    8.37
110)  tert-butylbenzene
       3.281 3.599 3.702 3.348 3.100 3.050 3.166 3.324 3.537        3.345    6.79
111)  pentachloroethane
       0.622 0.647       0.604 0.614 0.509 0.668 0.630 0.664        0.620    8.09
112)  1,2,4-trimethylbenzene
       3.817 4.161 4.947 4.019 3.720 3.493 3.758 3.920 4.004 4.218  4.006    9.86
113)  sec-butylbenzene
       4.949 5.399 5.145 5.013 4.685 4.529 4.739 5.062 5.242 5.518  5.028    6.27
114)  1,3-dichlorobenzene
       1.974 2.111 2.152 2.009 1.882 1.955 1.927 1.984 2.119 2.327  2.044    6.51
115)  p-isopropyltoluene
       3.835 4.333 4.132 4.069 3.849 3.541 3.873 4.012 4.077 4.282  4.000    5.87
116)  1,4-dichlorobenzene
       1.940 2.070 2.321 1.987 1.855 1.942 1.898 1.933 2.030 2.550  2.053   10.62
117)  1,2-dichlorobenzene
       1.779 1.960 2.033 1.915 1.765 1.831 1.820 1.816 1.949 2.153  1.902    6.54
118)  1,4-Diethylbenzene
       2.156 2.451 1.865 2.384 2.197 2.133 2.282 2.283 2.243 2.134  2.213    7.28
119)  n-butylbenzene
       2.032 2.290 2.094 2.205 2.098 1.770 2.129 2.137 2.112 2.238  2.110    6.71
120)  1,2,4,5-Tetramethylbenzene
       3.331 3.749 3.035 3.822 3.497 3.336 3.600 3.529 3.349 3.290  3.454    6.79
121)  1,2-dibromo-3-chloropropane
       0.139 0.163       0.180 0.167       0.191 0.156              0.166   10.97
122)  1,3,5-Trichlorobenzene
       1.413 1.610 1.462 1.583 1.476 1.307 1.478 1.503 1.493        1.481    6.00
123)  1,2,4-trichlorobenzene
       1.001 1.178       1.276 1.218 0.875 1.236 1.129 0.992        1.113   12.76
124)  hexachlorobutadiene
       0.872 0.974 0.971 0.892 0.840 0.829 0.859 0.860 0.919        0.891    6.00
125)  naphthalene
       1.762 2.204       2.652 2.497       2.667 2.287              2.345   14.58
126)  1,2,3-trichlorobenzene
       0.884 1.056       1.153 1.108       1.133 1.053 0.898        1.041   10.44
127)  hexachloroethane
       0.723 0.755 0.731 0.754 0.731 0.612 0.775 0.725 0.764        0.730    6.57
128)  Benzyl chloride
       1.596 1.885 1.843 2.068 1.890 1.834 2.075 1.832 1.659        1.854    8.58
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3C4989.M         Wed Jun 18 15:46:49 2014   MS3C
```

Initial Calibration Verification

Job Number: JB69534 **Sample:** V3C4989-ICV4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110771.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3C110771.D Vial: 14
Acq On : 17 Jun 2014 11:49 pm Operator: prashans
Sample : ICV4989-50 Inst : MS3C
Misc : MS69200,V3C4989,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C4989.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 18 08:58:10 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	0.00	7.30
2		1,4-dioxane	0.105	0.100	4.8	98	0.00	11.17
3		tertiary butyl alcohol	1.662	1.486	10.6	97	0.00	7.42
4		ethanol		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	9.54
6		chlorodifluoromethane	0.628	0.467	25.6#	80	0.00	3.97
7		dichlorodifluoromethane	0.696	0.650	6.6	100	-0.01	3.97
8		chloromethane	0.862	0.843	2.2	108	0.00	4.30
9		vinyl chloride	0.710	0.670	5.6	104	0.00	4.55
10		bromomethane	0.367	0.334	9.0	103	0.00	5.19
11		chloroethane	0.324	0.312	3.7	103	0.00	5.37
12		Vinyl Bromide		----------NA----------				
13		Pentane		----------NA----------				
14		trichlorofluoromethane	0.747	0.688	7.9	100	-0.01	5.80
15		ethyl ether	0.292	0.290	0.7	97	-0.01	6.21
16		acrolein	0.097	0.093	4.1	96	0.00	6.47
17		1,1-dichloroethene	0.892	0.847	5.0	99	0.00	6.64
18		acetone	0.063	0.054	14.3	73	0.00	6.69
19		allyl chloride	0.290	0.275	5.2	99	0.00	7.17
20		acetonitrile	0.050	0.050	0.0	104	0.00	7.11
21		iodomethane	0.704	0.683	3.0	100	0.00	6.92
22		iso-butyl alcohol	0.021	0.020	4.8	95	0.00	9.82
23		carbon disulfide	1.818	1.655	9.0	99	0.00	7.05
24		methylene chloride	0.587	0.534	9.0	100	0.00	7.35
25		methyl acetate	0.071	0.066	7.0	87	0.00	7.15
26		methyl tert butyl ether	1.678	1.580	5.8	96	0.00	7.68
27		trans-1,2-dichloroethene	0.919	0.886	3.6	99	0.00	7.73
28		di-isopropyl ether	2.304	2.281	1.0	97	0.00	8.27
29		ethyl tert-butyl ether	2.045	1.971	3.6	94	0.00	8.74
30		2-butanone	0.060	0.055	8.3	83	0.00	9.00
31		1,1-dichloroethane	1.082	1.050	3.0	98	0.00	8.29
32		chloroprene	0.923	0.852	7.7	89	0.00	8.40
33		acrylonitrile	0.179	0.179	0.0	97	0.00	7.67
34		vinyl acetate	0.079	0.084	-6.3	106	0.00	8.28
35		ethyl acetate	0.073	0.076	-4.1	96	0.00	9.01
36		2,2-dichloropropane	0.906	0.868	4.2	100	0.00	9.03
37		cis-1,2-dichloroethene	1.070	1.062	0.7	98	0.00	9.02
38		propionitrile	0.069	0.069	0.0	95	0.00	9.08
		----------	True	Calc.	% Drift	----------		
39		Methyl Acrylate	50.000	45.783	8.4	92	0.00	9.09

Initial Calibration Verification

Job Number: JB69534 **Sample:** V3C4989-ICV4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110771.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			AvgRF	CCRF	% Dev			
40		bromochloromethane	0.216	0.211	2.3	97	0.00	9.34
41		tetrahydrofuran	0.061	0.058	4.9	90	0.00	9.38
42		chloroform	1.023	0.916	10.5	99	0.00	9.39
43		tert-Butyl Formate	0.466	0.484	-3.9	99	0.00	9.42
44	S	dibromofluoromethane (s)	0.455	0.418	8.1	98	0.00	9.59
45	S	1,2-dichloroethane-d4 (s)	0.670	0.628	6.3	100	0.00	10.01
46		freon 113	0.349	0.305	12.6	96	0.00	6.61
47		methacrylonitrile	0.331	0.334	-0.9	98	0.00	9.27
48		1,1,1-trichloroethane	0.839	0.800	4.6	101	0.00	9.65
49		Cyclohexane	0.821	0.755	8.0	98	0.00	9.72
50		Tert Amyl Alcohol	0.031	0.030	3.2	97	0.00	9.95
51		2,2,4-trimethylpentane	2.581	2.188	15.2	90	0.00	10.09
52		tert-amyl methyl ether	1.808	1.643	9.1	96	0.00	10.12
53	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.46
54		epichlorohydrin	0.035	0.035	0.0	98	0.00	11.71

			True	Calc.	% Drift			
55		n-butyl alcohol	2500.000	2370.329	5.2	95	0.00	10.57

			AvgRF	CCRF	% Dev			
56		carbon tetrachloride	0.518	0.486	6.2	100	0.00	9.85
57		1,1-dichloropropene	0.567	0.526	7.2	99	0.00	9.82
58		hexane	0.640	0.497	22.3#	80	0.00	8.03
59		benzene	1.667	1.524	8.6	99	0.00	10.09
60		heptane	0.393	0.365	7.1	99	0.00	10.26
61		isopropyl acetate	0.070	0.070	0.0	92	0.00	10.01
62		1,2-dichloroethane	0.554	0.555	-0.2	99	0.00	10.10
63		trichloroethene	0.383	0.366	4.4	99	0.00	10.80
64		ethyl acrylate	0.434	0.463	-6.7	98	0.00	10.80
65		Tert-Amyl ethyl ether	0.553	0.573	-3.6	101	0.00	10.96
66		2-nitropropane	0.147	0.145	1.4	97	0.00	11.57
67		2-chloroethyl vinyl ether	0.149	0.154	-3.4	95	0.00	11.59
68		methyl methacrylate	0.073	0.074	-1.4	97	0.00	11.06
69		1,2-dichloropropane	0.443	0.438	1.1	101	0.00	11.06
70		methylcyclohexane	0.699	0.623	10.9	95	0.00	11.02
71		dibromomethane	0.195	0.195	0.0	98	0.00	11.22
72		bromodichloromethane	0.497	0.510	-2.6	100	0.00	11.35
73		cis-1,3-dichloropropene	0.604	0.621	-2.8	99	0.00	11.81
74	S	toluene-d8 (s)	1.295	1.185	8.5	98	0.00	12.09
75		4-methyl-2-pentanone	0.135	0.138	-2.2	97	0.00	11.89
76		toluene	1.586	1.442	9.1	98	0.00	12.17

			True	Calc.	% Drift			
77		3-methyl-1-butanol	1000.000	947.738	5.2	95	0.00	11.91

			AvgRF	CCRF	% Dev			
78		trans-1,3-dichloropropene	0.543	0.553	-1.8	99	0.00	12.36
79		ethyl methacrylate	0.415	0.437	-5.3	98	0.00	12.35
80		1,1,2-trichloroethane	0.253	0.252	0.4	99	0.00	12.57
81		2-hexanone	0.120	0.114	5.0	88	0.00	12.74
82	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	13.59
83		tetrachloroethene	0.460	0.409	11.1	91	0.00	12.75
84		1,3-dichloropropane	0.665	0.658	1.1	98	0.00	12.75
85		butyl acetate	0.290	0.306	-5.5	98	0.00	12.81
86		dibromochloromethane	0.383	0.386	-0.8	97	0.00	13.01
87		1,2-dibromoethane	0.322	0.326	-1.2	98	0.00	13.17

Initial Calibration Verification

Job Number: JB69534 **Sample:** V3C4989-ICV4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110771.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
88		3,3-Dimethyl-1-Butanol	500.000	451.829	9.6	93	0.00	12.90
			AvgRF	CCRF	% Dev			
89		chlorobenzene	1.192	1.086	8.9	98	0.00	13.62
90		1,1,1,2-tetrachloroethane	0.415	0.402	3.1	98	0.00	13.68
91		ethylbenzene	2.275	2.053	9.8	99	0.00	13.67
92		m,p-xylene	0.791	0.728	8.0	98	0.00	13.78
93		o-xylene	1.799	1.714	4.7	100	0.00	14.19
94		styrene	1.130	1.170	-3.5	98	0.00	14.20
95		BUTYL ACRYLATE		----------NA----------				
96		bromoform	0.227	0.232	-2.2	97	0.00	14.46
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	15.88
98		isopropylbenzene	4.952	4.429	10.6	98	0.00	14.53
99	S	4-bromofluorobenzene (s)	1.513	1.424	5.9	98	0.00	14.73
100		bromobenzene	1.037	0.968	6.7	96	0.00	14.92
101		cyclohexanone	0.224	0.201	10.3	77	0.00	14.69
102		1,1,2,2-tetrachloroethane	1.082	1.051	2.9	96	0.00	14.83
103		trans-1,4-dichloro-2-bute	0.338	0.352	-4.1	98	0.00	14.87
104		1,2,3-trichloropropane	0.266	0.253	4.9	94	0.00	14.90
105		n-propylbenzene	5.512	5.142	6.7	98	0.00	14.93
106		4-Ethyltoluene	4.423	4.175	5.6	99	0.00	15.03
107		2-chlorotoluene	1.071	0.990	7.6	98	0.00	15.08
108		4-chlorotoluene	1.087	1.007	7.4	98	0.00	15.17
109		1,3,5-trimethylbenzene	4.100	3.833	6.5	98	0.00	15.08
110		tert-butylbenzene	3.345	3.084	7.8	97	0.00	15.43
111		pentachloroethane	0.620	0.599	3.4	105	0.00	15.51
112		1,2,4-trimethylbenzene	4.006	3.730	6.9	98	0.00	15.47
113		sec-butylbenzene	5.028	4.656	7.4	98	0.00	15.63
114		1,3-dichlorobenzene	2.044	1.835	10.2	97	0.00	15.82
115		p-isopropyltoluene	4.000	3.754	6.2	98	0.00	15.75
116		1,4-dichlorobenzene	2.053	1.805	12.1	96	0.00	15.91
117		1,2-dichlorobenzene	1.902	1.742	8.4	96	0.00	16.29
118		1,4-Diethylbenzene	2.213	2.220	-0.3	98	0.00	16.13
119		n-butylbenzene	2.110	2.057	2.5	99	0.00	16.16
120		1,2,4,5-Tetramethylbenzen	3.454	3.614	-4.6	100	0.00	16.92
121		1,2-dibromo-3-chloropropa	0.166	0.164	1.2	96	0.00	17.06
122		1,3,5-Trichlorobenzene	1.481	1.423	3.9	95	0.00	17.25
123		1,2,4-trichlorobenzene	1.113	1.161	-4.3	96	0.00	17.88
124		hexachlorobutadiene	0.891	0.826	7.3	98	0.00	17.99
125		naphthalene	2.345	2.404	-2.5	96	0.00	18.15
126		1,2,3-trichlorobenzene	1.041	1.055	-1.3	97	0.00	18.40
127		hexachloroethane	0.730	0.714	2.2	100	0.00	16.56
128		Benzyl chloride	1.854	1.769	4.6	90	0.00	16.02

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

3C110766.D M3C4989.M Wed Jun 18 15:45:58 2014 MS3C

Continuing Calibration Summary

Job Number: JB69534 **Sample:** V3C4998-CC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110975.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3C110975.D Vial: 2
Acq On : 23 Jun 2014 10:21 am Operator: prashans
Sample : CC4989-20 Inst : MS3C
Misc : MS69085,V3C4998,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C4989.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 18 08:58:10 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	0.00	7.30
2		1,4-dioxane	0.105	0.113	-7.6	114	0.00	11.18
3		tertiary butyl alcohol	1.662	1.909	-14.9	128	0.00	7.43
4		ethanol		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	98	0.00	9.54
6		chlorodifluoromethane	0.628	0.742	-18.2	120	0.00	3.98
7		dichlorodifluoromethane	0.696	0.773	-11.1	110	0.00	3.97
8		chloromethane	0.862	0.808	6.3	97	0.00	4.31
9		vinyl chloride	0.710	0.675	4.9	96	0.00	4.55
10		bromomethane	0.367	0.333	9.3	92	0.00	5.21
11		chloroethane	0.324	0.311	4.0	94	0.00	5.38
12		Vinyl Bromide		----------NA----------				
13		Pentane		----------NA----------				
14		trichlorofluoromethane	0.747	0.798	-6.8	106	0.00	5.81
15		ethyl ether	0.292	0.327	-12.0	108	0.00	6.23
16		acrolein	0.097	0.095	2.1	101	0.00	6.47
17		1,1-dichloroethene	0.892	0.980	-9.9	107	0.00	6.65
18		acetone	0.063	0.058	7.9	85	0.01	6.70
19		allyl chloride	0.290	0.312	-7.6	106	0.00	7.17
20		acetonitrile	0.050	0.051	-2.0	105	0.01	7.12
21		iodomethane	0.704	0.785	-11.5	108	0.00	6.92
22		iso-butyl alcohol	0.021	0.024	-14.3	120	0.00	9.83
23		carbon disulfide	1.818	1.841	-1.3	102	0.00	7.06
24		methylene chloride	0.587	0.559	4.8	95	0.00	7.35
25		methyl acetate	0.071	0.076	-7.0	109	0.00	7.16
26		methyl tert butyl ether	1.678	1.656	1.3	100	0.00	7.68
27		trans-1,2-dichloroethene	0.919	0.996	-8.4	105	0.00	7.73
28		di-isopropyl ether	2.304	2.434	-5.6	104	0.00	8.28
29		ethyl tert-butyl ether	2.045	2.129	-4.1	103	0.00	8.74
30		2-butanone	0.060	0.064	-6.7	102	0.01	9.00
31		1,1-dichloroethane	1.082	1.164	-7.6	104	0.00	8.29
32		chloroprene	0.923	1.075	-16.5	112	0.00	8.41
33		acrylonitrile	0.179	0.186	-3.9	99	0.00	7.67
34		vinyl acetate	0.079	0.083	-5.1	105	0.00	8.28
35		ethyl acetate	0.073	0.083	-13.7	116	0.00	9.02
36		2,2-dichloropropane	0.906	1.052	-16.1	112	0.00	9.03
37		cis-1,2-dichloroethene	1.070	1.188	-11.0	105	0.00	9.03
38		propionitrile	0.069	0.072	-4.3	100	0.00	9.09
		----------	True	Calc.	% Drift	----------		
39		Methyl Acrylate	20.000	19.758	1.2	97	0.00	9.09

Continuing Calibration Summary

Job Number: JB69534 **Sample:** V3C4998-CC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110975.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			AvgRF	CCRF	% Dev			
40		bromochloromethane	0.216	0.240	-11.1	106	0.00	9.34
41		tetrahydrofuran	0.061	0.069	-13.1	111	0.00	9.38
42		chloroform	1.023	1.037	-1.4	105	0.00	9.39
43		tert-Butyl Formate	0.466	0.536	-15.0	114	0.00	9.42
44	S	dibromofluoromethane (s)	0.455	0.490	-7.7	112	0.00	9.59
45	S	1,2-dichloroethane-d4 (s)	0.670	0.673	-0.4	106	0.00	10.01
46		freon 113	0.349	0.390	-11.7	119	0.01	6.63
47		methacrylonitrile	0.331	0.348	-5.1	107	0.00	9.27
48		1,1,1-trichloroethane	0.839	0.926	-10.4	109	0.00	9.65
49		Cyclohexane	0.821	0.908	-10.6	109	0.00	9.72
50		Tert Amyl Alcohol	0.031	0.035	-12.9	120	0.00	9.95
51		2,2,4-trimethylpentane	2.581	2.835	-9.8	109	0.00	10.09
52		tert-amyl methyl ether	1.808	1.793	0.8	105	0.00	10.12
53	I	1,4-difluorobenzene	1.000	1.000	0.0	96	0.00	10.46
54		epichlorohydrin	0.035	0.039	-11.4	109	0.00	11.71

			True	Calc.	% Drift			
55		n-butyl alcohol	1000.000	1131.081	-13.1	109	0.00	10.58

			AvgRF	CCRF	% Dev			
56		carbon tetrachloride	0.518	0.603	-16.4	112	0.00	9.86
57		1,1-dichloropropene	0.567	0.633	-11.6	109	0.00	9.82
58		hexane	0.640	0.768	-20.0	115	0.00	8.03
59		benzene	1.667	1.730	-3.8	100	0.00	10.09
60		heptane	0.393	0.432	-9.9	108	0.00	10.26
61		isopropyl acetate	0.070	0.081	-15.7	111	0.00	10.01
62		1,2-dichloroethane	0.554	0.641	-15.7	107	0.00	10.10
63		trichloroethene	0.383	0.421	-9.9	104	0.00	10.80
64		ethyl acrylate	0.434	0.487	-12.2	104	0.00	10.80
65		Tert-Amyl ethyl ether	0.553	0.616	-11.4	106	0.00	10.96
66		2-nitropropane	0.147	0.181	-23.1#	119	0.00	11.56
67		2-chloroethyl vinyl ether	0.149	0.184	-23.5#	112	0.00	11.59
68		methyl methacrylate	0.073	0.080	-9.6	106	0.00	11.07
69		1,2-dichloropropane	0.443	0.466	-5.2	98	0.00	11.06
70		methylcyclohexane	0.699	0.791	-13.2	112	0.00	11.03
71		dibromomethane	0.195	0.221	-13.3	105	0.00	11.22
72		bromodichloromethane	0.497	0.547	-10.1	101	0.00	11.35
73		cis-1,3-dichloropropene	0.604	0.669	-10.8	99	0.00	11.81
74	S	toluene-d8 (s)	1.295	1.337	-3.2	103	0.00	12.09
75		4-methyl-2-pentanone	0.135	0.144	-6.7	102	0.00	11.90
76		toluene	1.586	1.530	3.5	93	0.00	12.17

			True	Calc.	% Drift			
77		3-methyl-1-butanol	400.000	440.512	-10.1	107	0.00	11.92

			AvgRF	CCRF	% Dev			
78		trans-1,3-dichloropropene	0.543	0.580	-6.8	97	0.00	12.36
79		ethyl methacrylate	0.415	0.429	-3.4	96	0.00	12.35
80		1,1,2-trichloroethane	0.253	0.261	-3.2	95	0.00	12.57
81		2-hexanone	0.120	0.124	-3.3	100	0.00	12.74
82	I	chlorobenzene-d5	1.000	1.000	0.0	84	0.00	13.59
83		tetrachloroethene	0.460	0.499	-8.5	93	0.00	12.75
84		1,3-dichloropropane	0.665	0.768	-15.5	94	0.00	12.75
85		butyl acetate	0.290	0.354	-22.1#	102	0.00	12.82
86		dibromochloromethane	0.383	0.453	-18.3	98	0.00	13.01
87		1,2-dibromoethane	0.322	0.379	-17.7	96	0.00	13.17

Continuing Calibration Summary

Job Number: JB69534 **Sample:** V3C4998-CC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110975.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
88		3,3-Dimethyl-1-Butanol	200.000	232.101	-16.1	107	0.00	12.91
			AvgRF	CCRF	% Dev			
89		chlorobenzene	1.192	1.234	-3.5	90	0.00	13.62
90		1,1,1,2-tetrachloroethane	0.415	0.464	-11.8	95	0.00	13.68
91		ethylbenzene	2.275	2.377	-4.5	91	0.00	13.67
92		m,p-xylene	0.791	0.839	-6.1	90	0.00	13.78
93		o-xylene	1.799	1.940	-7.8	91	0.00	14.19
94		styrene	1.130	1.232	-9.0	88	0.00	14.20
95		BUTYL ACRYLATE		----------NA----------				
96		bromoform	0.227	0.251	-10.6	92	0.00	14.46
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	80	0.00	15.88
98		isopropylbenzene	4.952	5.485	-10.8	90	0.00	14.53
99	S	4-bromofluorobenzene (s)	1.513	1.741	-15.1	95	0.00	14.73
100		bromobenzene	1.037	1.168	-12.6	89	0.00	14.92
101		cyclohexanone	0.224	0.263	-17.4	90	0.00	14.69
102		1,1,2,2-tetrachloroethane	1.082	1.239	-14.5	89	0.00	14.83
103		trans-1,4-dichloro-2-bute	0.338	0.451	-33.4#	106	0.00	14.87
104		1,2,3-trichloropropane	0.266	0.312	-17.3	92	0.00	14.90
105		n-propylbenzene	5.512	6.245	-13.3	89	0.00	14.93
106		4-Ethyltoluene	4.423	4.965	-12.3	88	0.00	15.03
107		2-chlorotoluene	1.071	1.208	-12.8	89	0.00	15.08
108		4-chlorotoluene	1.087	1.162	-6.9	87	0.00	15.17
109		1,3,5-trimethylbenzene	4.100	4.671	-13.9	92	0.00	15.08
110		tert-butylbenzene	3.345	3.747	-12.0	90	0.00	15.43
111		pentachloroethane	0.620	0.728	-17.4	92	0.00	15.51
112		1,2,4-trimethylbenzene	4.006	4.410	-10.1	89	0.00	15.47
113		sec-butylbenzene	5.028	5.561	-10.6	87	0.00	15.64
114		1,3-dichlorobenzene	2.044	2.127	-4.1	85	0.00	15.82
115		p-isopropyltoluene	4.000	4.422	-10.5	88	0.00	15.75
116		1,4-dichlorobenzene	2.053	2.061	-0.4	85	0.00	15.91
117		1,2-dichlorobenzene	1.902	1.969	-3.5	86	0.00	16.29
118		1,4-Diethylbenzene	2.213	2.572	-16.2	90	0.00	16.13
119		n-butylbenzene	2.110	2.434	-15.4	91	0.00	16.17
120		1,2,4,5-Tetramethylbenzen	3.454	4.025	-16.5	91	0.00	16.92
121		1,2-dibromo-3-chloropropa	0.166	0.174	-4.8	89	0.00	17.06
122		1,3,5-Trichlorobenzene	1.481	1.662	-12.2	88	0.00	17.25
123		1,2,4-trichlorobenzene	1.113	1.304	-17.2	92	0.00	17.88
124		hexachlorobutadiene	0.891	1.011	-13.5	93	0.00	17.99
125		naphthalene	2.345	2.480	-5.8	86	0.00	18.15
126		1,2,3-trichlorobenzene	1.041	1.163	-11.7	88	0.00	18.40
127		hexachloroethane	0.730	0.826	-13.2	91	0.00	16.55
128		Benzyl chloride	1.854	2.283	-23.1#	99	0.00	16.02

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

3C110765.D M3C4989.M Tue Jun 24 14:14:38 2014 MS3C

Initial Calibration Summary

Job Number: JB69534 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report GCMS4V

Method : C:\MSDCHEM\1\METHODS\M4V368.M (RTE Integrator)
Title : sw846 8260b
Last Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Calibration Files
0.2 =4V8917.D 0.5 =4V8916.D 5 =4V8913.D 50 =4V8920.D
100 =4V8921.D 1 =4V8915.D 200 =4V8922.D 20 =4V8919.D
2 =4V8914.D 10 =4V8918.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			0.069	0.081	0.084		0.081	0.075		0.079	0.078	6.71
3) tertiary butyl alcohol			0.969	0.983	0.998		0.944	0.997	1.047	1.019	0.994	3.37
4) I pentafluorobenzene	----------ISTD----------											
5) Freon 143a											0.000	-1.00
6) chlorodifluoromethane		0.755	0.686	0.718	0.716	0.732	0.744	0.712	0.770	0.685	0.724	4.01
7) dichlorodifluoromethane			0.738	0.820	0.840	0.701	0.854	0.831	0.819	0.781	0.798	6.73
8) freon 142b											0.000	-1.00
9) chloromethane	0.900	0.823	0.689	0.735	0.789	0.830	0.823	0.735	0.822	0.719	0.786	8.28
10) vinyl chloride		0.817	0.753	0.809	0.858	0.783	0.893	0.828	0.900	0.800	0.827	5.90
11) bromomethane			0.512	0.495	0.495	0.608	0.485	0.519	0.606	0.524	0.531	9.24
12) chloroethane			0.292	0.306	0.304	0.271	0.263	0.317	0.331	0.317	0.300	7.75
13) trichlorofluoromethane			0.785	0.866	0.897	0.733	0.940	0.859	0.897	0.823	0.850	7.91
14) ethyl ether			0.219	0.215	0.216	0.165	0.221	0.210	0.203	0.206	0.207	8.69
15) freon 141b											0.000	-1.00
16) 2-chloropropane			0.909	0.771	0.765		0.791	0.765		0.777	0.796	7.03
17) acrolein	0.106	0.123	0.102	0.109		0.117		0.108	0.114	0.105	0.111	6.30
18) 1,1-dichloroethene		0.636	0.792	0.774	0.794	0.823	0.824	0.772	0.765	0.752	0.770	7.26
19) acetone			0.037	0.047	0.045		0.048	0.044		0.036	0.043	11.55
20) allyl chloride			0.233	0.209	0.213	0.171	0.218	0.226	0.197	0.220	0.211	9.29
21) acetonitrile			0.046	0.046	0.044		0.045	0.045	0.040	0.043	0.044	4.64
22) iodomethane	1.131	0.770	1.047	0.985	1.010	1.036	1.047	0.986	0.994	0.963	0.997	9.31
23) iso-butyl alcohol												

Initial Calibration Summary

Job Number: JB69534 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

		0.022	0.020	0.019	0.020	0.019	0.023	0.020	0.020	8.34
24)	carbon disulfide										
		2.202	2.115	1.931	1.961	2.339	2.065	1.946	2.062	1.890	2.057	7.07
25)	methylene chloride										
		0.553	0.584	0.559	0.571	0.632	0.584	0.551	0.576	0.540	0.572	4.73
26)	1-chloropropane										
		0.242	0.208	0.211	0.222	0.212	0.246	0.214	0.222	6.96
27)	methyl acetate										
		0.064	0.081	0.080	0.081	0.076		0.072	0.076	8.73
28)	methyl tert butyl ether										
		1.497	1.578	1.501	1.531	1.735	1.526	1.505	1.576	1.459	1.545	5.21
29)	trans-1,2-dichloroethene										
		0.735	0.636	0.723	0.678	0.669	0.672	0.682	0.672	0.664	0.668	0.680	4.27
30)	di-isopropyl ether										
		1.588	1.405	1.483	1.510	1.442	1.521	1.467	1.585	1.438	1.493	4.28
31)	ethyl tert-butyl ether										
		1.320	1.434	1.548	1.585	1.356	1.610	1.540	1.543	1.489	1.492	6.80
32)	2-butanone										
		0.046	0.056	0.060	0.059	0.054		0.053	0.055	9.08
33)	1,1-dichloroethane										
		0.954	0.747	0.860	0.838	0.840	0.837	0.850	0.832	0.811	0.807	0.838	6.19
34)	chloroprene										
		0.558	0.595	0.591	0.480	0.605	0.589	0.563	0.567	0.569	6.93
35)	acrylonitrile										
		0.161	0.143	0.190	0.192	0.194	0.187	0.193	0.189	0.189	0.180	0.182	9.10
36)	vinyl acetate										
				0.062	0.068	0.068	0.059		0.056	0.063	8.37
37)	ethyl acetate										
		0.072	0.071	0.077	0.073	0.076	0.076	0.070	0.073	3.44
38)	2,2-dichloropropane										
		0.744	0.791	0.715	0.711	0.888	0.721	0.729	0.774	0.709	0.754	7.69
39)	cis-1,2-dichloroethene										
		1.043	0.757	0.881	0.842	0.836	0.871	0.847	0.839	0.861	0.811	0.859	8.57
40)	propionitrile										
		0.079	0.061	0.076	0.079	0.079	0.075	0.079	0.077	0.078	0.074	0.076	7.43
41)	methyl acrylate										
		0.523	0.520	0.564	0.555	0.553	0.528	0.573	0.542	0.545	3.62
42)	bromochloromethane										
		0.278	0.263	0.261	0.276	0.265	0.254	0.249	0.247	0.262	4.33
43)	tetrahydrofuran										
		0.191	0.175	0.180	0.200	0.187	0.176	0.208	0.183	0.187	6.32
44)	chloroform										
		0.935	0.859	0.830	0.824	0.926	0.831	0.812	0.843	0.805	0.852	5.56
45)	dibromofluoromethane (s)										
		0.457	0.462	0.460	0.547	0.468	0.451	0.489	0.452	0.473	6.79
46)	1,2-dichloroethane-d4 (s)										
		0.464	0.447	0.460	0.455	0.458	0.524	0.473	0.469	5.50
47)	freon 113										
		0.380	0.395	0.405	0.419	0.400	0.369	0.378	0.392	4.48
48)	methacrylonitrile										
		0.672	0.621	0.643	0.629	0.623		0.632	0.637	2.95
49)	1,1,1-trichloroethane										
		0.852	0.670	0.805	0.771	0.780	0.804	0.803	0.753	0.763	0.735	0.774	6.34
50)	tert-amyl methyl ether										
		1.545	1.391	1.507	1.564	1.429	1.592	1.478	1.591	1.449	1.505	4.85
51)	I 1,4-difluorobenzene	----------ISTD----------										
52)	epichlorohydrin										
		0.031	0.033	0.037	0.039	0.034	0.041	0.035	0.037	0.038	0.036	8.58
53)	n-butyl alcohol										

Initial Calibration Summary

Job Number: JB69534 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

		0.012	0.011	0.013	0.013	0.010	0.013	0.012	0.012	0.012	0.012	8.58
54)	cyclohexane											
		0.564	0.527	0.645	0.576	0.545	0.632	0.573	0.561	0.561	0.513	0.570	7.28
55)	carbon tetrachloride											
		0.544	0.458	0.605	0.551	0.519	0.600	0.550	0.534	0.533	0.499	0.539	8.06
56)	1,1-dichloropropene											
		0.527	0.421	0.494	0.460	0.435	0.492	0.453	0.445	0.452	0.421	0.460	7.50
57)	hexane											
		0.316	0.405	0.401	0.376	0.387	0.389	0.398	0.416	0.369	0.384	7.64
58)	benzene											
		1.425	1.453	1.351	1.313	1.528	1.324	1.313	1.376	1.251	1.370	6.22
59)	isooctane											
		1.157	1.322	1.440	1.387	1.215	1.477	1.378	1.317	1.235	1.325	8.08
60)	heptane											
		0.168	0.217	0.215	0.214	0.199	0.218	0.216	0.234	0.214	0.211	8.70
61)	isopropyl acetate											
			0.879	0.878	0.900	0.930	0.902	0.873	0.917	0.849	0.891	2.94
62)	1,2-dichloroethane											
		0.404	0.371	0.429	0.429	0.419	0.428	0.414	0.419	0.415	0.388	0.412	4.62
63)	trichloroethene											
		0.358	0.309	0.361	0.338	0.342	0.370	0.342	0.340	0.361	0.329	0.345	5.21
64)	ethyl acrylate											
												0.000	-1.00
65)	2-nitropropane											
		0.934	0.758	0.741	0.807	0.846	0.818	0.730	0.809	0.775	0.802	7.81
66)	2-chloroethyl vinyl ether											
		0.202	0.204	0.211	0.231	0.185	0.237	0.205	0.210	0.219	0.212	7.35
67)	methyl methacrylate											
			0.216	0.221	0.246	0.219	0.250	0.207	0.197	0.222	0.222	8.05
68)	1,2-dichloropropane											
		0.270	0.281	0.348	0.338	0.349	0.339	0.348	0.331	0.329	0.335	0.327	8.60
69)	methylcyclohexane											
		0.477	0.601	0.613	0.589	0.575	0.630	0.593	0.592	0.544	0.579	7.80
70)	dibromomethane											
		0.182	0.243	0.235	0.250	0.227	0.244	0.237	0.240	0.235	0.233	8.69
71)	bromodichloromethane											
		0.435	0.433	0.467	0.456	0.480	0.486	0.467	0.453	0.470	0.450	0.460	3.85
72)	cis-1,3-dichloropropene											
		0.621	0.510	0.510	0.504	0.564	0.533	0.565	0.485	0.515	0.518	0.533	7.50
73)	toluene-d8 (s)											
			1.054	1.010	1.091		1.100	0.971	1.134	1.073	1.062	5.26
74)	4-methyl-2-pentanone											
			0.143	0.152	0.162		0.163	0.142	0.128	0.142	0.148	8.40
75)	toluene											
		0.872	0.708	0.724	0.696	0.762	0.749	0.770	0.666	0.700	0.707	0.735	7.85
76)	3-methyl-1-butanol											
			0.010	0.011	0.011		0.012	0.010	0.010	0.011	0.011	7.83
77)	trans-1,3-dichloropropene											
		0.480	0.490	0.453	0.497	0.468	0.514	0.441	0.466	0.473	0.476	4.71
78)	ethyl methacrylate											
		0.429	0.407	0.426	0.409	0.438	0.445	0.458	0.392	0.395	0.405	0.420	5.28
79)	1,1,2-trichloroethane											
		0.227	0.265	0.258	0.283	0.251	0.290	0.246	0.266	0.260	0.261	7.24
80)	2-hexanone											
			0.147	0.134	0.142	0.129	0.155	0.133	0.130	0.133	0.138	6.89
81)	I chlorobenzene-d5	----------					ISTD	----------				
82)	tetrachloroethene											
		0.331	0.298	0.352	0.366	0.378	0.377	0.368	0.357	0.361	0.355	0.354	6.77
83)	1,3-dichloropropane											

Initial Calibration Summary

Job Number: JB69534 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
      0.664 0.494 0.526 0.512 0.535 0.553 0.524 0.500 0.526 0.513  0.535    9.08
 84)  butyl acetate
            0.239 0.245 0.255 0.254 0.267 0.252 0.277 0.294 0.286  0.263    7.14
 85)  dibromochloromethane
      0.376 0.410 0.440 0.439 0.463 0.444 0.453 0.431 0.435 0.428  0.432    5.63
 86)  1,2-dibromoethane
      0.428 0.355 0.394 0.384 0.396 0.397 0.391 0.385 0.390 0.374  0.389    4.71
 87)  chlorobenzene
           1.015 1.000 0.947 0.963 1.022 0.963 0.944 0.998 0.947  0.978    3.18
 88)  1,1,1,2-tetrachloroethane
      0.396 0.362 0.435 0.436 0.419 0.438 0.403 0.428 0.437 0.376  0.413    6.68
 89)  ethylbenzene
           1.778 1.745 1.685 1.666 1.874 1.647 1.668 1.794 1.622  1.720    4.82
 90)  m,p-xylene
      0.768 0.617 0.646 0.623 0.620 0.698 0.613 0.613 0.647 0.600  0.644    7.98
 91)  o-xylene
      0.736 0.593 0.700 0.670 0.660 0.709 0.646 0.648 0.680 0.633  0.667    6.16
 92)  styrene
      1.371 1.071 1.129 1.058 1.083 1.189 1.072 1.088 1.109 1.029  1.120    8.78
 93)  bromoform
      0.330 0.307 0.354 0.338 0.354 0.348 0.352 0.346 0.351 0.324  0.340    4.55

 94) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 95)  isopropylbenzene
      3.740 3.007 3.008 3.002 2.995 2.980 2.893 2.838 2.908 2.968  3.034    8.39
 96)  4-bromofluorobenzene (s)
                 0.892 0.804 0.837       0.826 0.820 1.004 0.900  0.869    8.04
 97)  bromobenzene
      0.760 0.796 0.802 0.739 0.787 0.808 0.776 0.742 0.798 0.766  0.777    3.19
 98)  cyclohexanone
                 0.165 0.094 0.100       0.088 0.114 0.158 0.124  0.121   25.48
           ----- Linear regression -----  Coefficient =  0.9964
             Response Ratio = 0.08491 + 0.08799 *A

 99)  1,1,2,2-tetrachloroethane
      1.351 1.118 1.104 1.049 1.063 1.134 1.037 1.025 1.092 1.075  1.105    8.45
100)  trans-1,4-dichloro-2-butene
                 0.256 0.247 0.254 0.271 0.243 0.238 0.251 0.250  0.251    3.92
101)  1,2,3-trichloropropane
                 0.229 0.214 0.222 0.192 0.213 0.213 0.219 0.222  0.216    5.18
102)  n-propylbenzene
           3.935 3.761 3.417 3.459 3.956 3.378 3.386 3.761 3.532  3.621    6.48
103)  2-chlorotoluene
           0.729 0.769 0.696 0.712 0.748 0.699 0.678 0.742 0.718  0.721    3.98
104)  4-chlorotoluene
           2.423 2.342 2.099 2.166 2.479 2.125 2.120 2.321 2.184  2.251    6.33
105)  1,3,5-trimethylbenzene
           2.765 2.650 2.560 2.593 2.686 2.534 2.419 2.608 2.575  2.599    3.76
106)  tert-butylbenzene
           1.889 1.948 2.378 2.172 1.995 2.044 2.008 1.964 2.371  2.086    8.69
107)  pentachloroethane
           0.423 0.517 0.554 0.566 0.478 0.548 0.520 0.521 0.513  0.516    8.45
108)  1,2,4-trimethylbenzene
           2.906 2.671 2.540 2.576 2.765 2.509 2.485 2.705 2.580  2.638    5.19
109)  sec-butylbenzene
      4.595 3.584 3.579 3.526 3.576 3.692 3.454 3.371 3.473 3.466  3.632    9.64
110)  1,3-dichlorobenzene
           1.691 1.623 1.500 1.548 1.707 1.519 1.507 1.613 1.505  1.579    5.17
111)  p-isopropyltoluene
           3.121 2.976 2.795 2.840 3.153 2.829 2.759 2.903 2.862  2.915    4.82
```

Initial Calibration Summary

Job Number: JB69534 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
112)  1,4-dichlorobenzene
             1.759 1.642 1.527 1.576 1.719 1.553 1.522 1.703 1.526  1.614    5.79
113)  indane
                                                                    0.000   -1.00
114)  1,2-dichlorobenzene
             1.784 1.678 1.559 1.611 1.759 1.574 1.549 1.713 1.548  1.642    5.69
115)  n-butylbenzene
             1.696 1.729 1.551 1.565 1.684 1.549 1.573 1.695 1.538  1.620    4.84
116)  1,2-dibromo-3-chloropropane
                   0.251 0.233 0.228       0.220 0.229 0.286 0.224  0.239    9.72
117)  1,3,5-trichlorobenzene
             1.628 1.437 1.354 1.341 1.537 1.299 1.313 1.453 1.230  1.399    9.03
118)  1,2,4-trichlorobenzene
                   1.346 1.300 1.266 1.563 1.206 1.244 1.398 1.157  1.310    9.74
119)  hexachlorobutadiene
             0.612 0.622 0.580 0.589 0.634 0.581 0.572 0.623 0.549  0.596    4.75
120)  naphthalene
             4.197 3.889 3.774 3.606 4.060 3.436 3.575 3.854 3.291  3.742    7.83
121)  1,2,3-trichlorobenzene
             1.457 1.310 1.255 1.201 1.363 1.151 1.204 1.289 1.073  1.256    9.18
122)  hexachloroethane
      0.620 0.566 0.602 0.659 0.647 0.621 0.651 0.621 0.643 0.612  0.624    4.45
123)  Benzyl chloride
                   2.086 1.910 1.928 2.124 1.847 1.944 2.309 1.951  2.012    7.49
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M4V368.M          Wed Jun 18 16:20:55 2014   RPT1
```

Initial Calibration Verification

Job Number: JB69534 **Sample:** V4V368-ICV368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8925.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\4V8925.D Vial: 14
Acq On : 17 Jun 2014 4:43 pm Operator: BenM
Sample : icv368-50 Inst : GCMS4V
Misc : MS68934,V4V368,5,,,,1 Multiplr: 1.00
MS Integration Params: lcsint.p

Method : C:\MSDCHEM\1\METHODS\M4V368.M (RTE Integrator)
Title : sw846 8260b
Last Update : Wed Jun 18 16:17:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	101	0.00	7.46
2		1,4-dioxane	0.078	0.080	-2.6	99	0.00	11.66
3	M	tertiary butyl alcohol	0.994	1.000	-0.6	103	-0.02	7.59
4	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	9.94
5		Freon 143a		----------NA----------				
6		chlorodifluoromethane	0.724	0.580	19.9	83	-0.01	3.63
7		dichlorodifluoromethane	0.798	0.830	-4.0	103	0.00	3.62
8		freon 142b		----------NA----------				
9		chloromethane	0.786	0.760	3.3	106	0.00	3.96
10		vinyl chloride	0.827	0.853	-3.1	108	0.00	4.24
11		bromomethane	0.531	0.511	3.8	106	0.00	4.94
12		chloroethane	0.300	0.313	-4.3	105	0.00	5.13
13		trichlorofluoromethane	0.850	0.907	-6.7	107	0.00	5.65
14		ethyl ether	0.207	0.215	-3.9	102	0.00	6.11
15		freon 141b		----------NA----------				
16		2-chloropropane	0.796	0.783	1.6	104	0.00	6.33
17		acrolein	0.111	0.108	2.7	101	0.00	6.45
18		1,1-dichloroethene	0.770	0.794	-3.1	105	0.00	6.59
19		acetone	0.043	0.047	-9.3	104	-0.01	6.71
20		allyl chloride	0.211	0.218	-3.3	107	0.00	7.21
21		acetonitrile	0.044	0.046	-4.5	104	0.00	7.25
22		iodomethane	0.997	1.011	-1.4	105	0.00	6.91
23		iso-butyl alcohol	0.020	0.020	0.0	104	0.00	10.30
24		carbon disulfide	2.057	2.001	2.7	106	0.00	7.02
25		methylene chloride	0.572	0.559	2.3	102	0.00	7.46
26		1-chloropropane	0.222	0.216	2.7	106	0.00	7.46
27		methyl acetate	0.076	0.075	1.3	95	0.00	7.23
28		methyl tert butyl ether	1.545	1.474	4.6	101	0.00	7.80
29		trans-1,2-dichloroethene	0.680	0.692	-1.8	104	0.00	7.85
30		di-isopropyl ether	1.493	1.514	-1.4	104	0.00	8.48
31		ethyl tert-butyl ether	1.492	1.533	-2.7	101	0.00	9.01
32		2-butanone	0.055	0.056	-1.8	101	0.00	9.35
33	M	1,1-dichloroethane	0.838	0.857	-2.3	105	0.00	8.53
34		chloroprene	0.569	0.566	0.5	97	0.00	8.63
35		acrylonitrile	0.182	0.189	-3.8	101	0.00	7.88
36		vinyl acetate	0.063	0.070	-11.1	116	0.00	8.53
37		ethyl acetate	0.073	0.068	6.8	98	0.00	9.36
38		2,2-dichloropropane	0.754	0.698	7.4	100	0.00	9.34
39		cis-1,2-dichloroethene	0.859	0.846	1.5	103	0.00	9.36
40		propionitrile	0.076	0.077	-1.3	100	0.00	9.50
41		methyl acrylate	0.545	0.510	6.4	100	0.00	9.44

Initial Calibration Verification

Job Number: JB69534 **Sample:** V4V368-ICV368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8925.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		bromochloromethane	0.262	0.261	0.4	101	0.00	9.71
43		tetrahydrofuran	0.187	0.173	7.5	101	0.00	9.73
44		chloroform	0.852	0.837	1.8	103	0.00	9.78
45	S	dibromofluoromethane (s)	0.473	0.466	1.5	103	0.00	10.00
46	S	1,2-dichloroethane-d4 (s)	0.469	0.443	5.5	101	0.00	10.44
47		freon 113	0.392	0.412	-5.1	107	0.00	6.54
48		methacrylonitrile	0.637	0.619	2.8	102	0.00	9.67
49		1,1,1-trichloroethane	0.774	0.788	-1.8	104	0.00	10.01
50		tert-amyl methyl ether	1.505	1.513	-0.5	103	0.00	10.51
51	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	10.90
52		epichlorohydrin	0.036	0.037	-2.8	105	0.00	12.22
53		n-butyl alcohol	0.012	0.013	-8.3	104	0.00	11.09
54	M	cyclohexane	0.570	0.595	-4.4	106	0.00	10.05
55		carbon tetrachloride	0.539	0.565	-4.8	106	0.00	10.21
56		1,1-dichloropropene	0.460	0.461	-0.2	103	0.00	10.19
57		hexane	0.384	0.313	18.5	80	0.00	8.17
58	M	benzene	1.370	1.346	1.8	103	0.00	10.48
59	m	isooctane	1.325	1.412	-6.6	101	0.00	10.44
60		heptane	0.211	0.227	-7.6	108	0.00	10.64
61		isopropyl acetate	0.891	0.975	-9.4	114	0.00	10.44
62		1,2-dichloroethane	0.412	0.405	1.7	97	0.00	10.53
63		trichloroethene	0.345	0.336	2.6	102	0.00	11.23
64		ethyl acrylate		----------NA----------				
65		2-nitropropane	0.802	0.756	5.7	105	0.00	12.07
66		2-chloroethyl vinyl ether	0.212	0.216	-1.9	105	0.00	12.07
67		methyl methacrylate	0.222	0.221	0.5	103	0.00	11.53
68		1,2-dichloropropane	0.327	0.339	-3.7	103	0.00	11.52
69		methylcyclohexane	0.579	0.615	-6.2	103	0.00	11.42
70		dibromomethane	0.233	0.235	-0.9	103	0.00	11.69
71		bromodichloromethane	0.460	0.455	1.1	102	0.00	11.83
72		cis-1,3-dichloropropene	0.533	0.513	3.8	105	0.00	12.28
73	S	toluene-d8 (s)	1.062	1.043	1.8	106	0.00	12.55
74		4-methyl-2-pentanone	0.148	0.152	-2.7	103	0.00	12.39
75		toluene	0.735	0.721	1.9	107	0.00	12.63
76		3-methyl-1-butanol	0.011	0.012	-9.1	104	0.00	12.44
77		trans-1,3-dichloropropene	0.476	0.466	2.1	106	0.00	12.86
78		ethyl methacrylate	0.420	0.418	0.5	105	0.00	12.84
79		1,1,2-trichloroethane	0.261	0.260	0.4	104	0.00	13.08
80		2-hexanone	0.138	0.137	0.7	106	0.00	13.25
81	I	chlorobenzene-d5	1.000	1.000	0.0	105	0.00	14.10
82		tetrachloroethene	0.354	0.371	-4.8	106	0.00	13.20
83		1,3-dichloropropane	0.535	0.518	3.2	106	0.00	13.26
84		butyl acetate	0.263	0.264	-0.4	108	0.00	13.32
85		dibromochloromethane	0.432	0.440	-1.9	105	0.00	13.53
86		1,2-dibromoethane	0.389	0.385	1.0	105	0.00	13.67
87		chlorobenzene	0.978	0.964	1.4	107	0.00	14.14
88		1,1,1,2-tetrachloroethane	0.413	0.428	-3.6	103	0.00	14.20
89		ethylbenzene	1.720	1.709	0.6	107	0.00	14.18
90		m,p-xylene	0.644	0.633	1.7	107	0.00	14.29
91		o-xylene	0.667	0.675	-1.2	106	0.00	14.73
92		styrene	1.120	1.079	3.7	107	0.00	14.74
93		bromoform	0.340	0.337	0.9	105	0.00	15.04
94	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	16.45
95		isopropylbenzene	3.034	3.059	-0.8	105	0.00	15.07
96	S	4-bromofluorobenzene (s)	0.869	0.837	3.7	108	0.00	15.29
97		bromobenzene	0.777	0.758	2.4	106	0.00	15.49

Initial Calibration Verification

Job Number: JB69534 **Sample:** V4V368-ICV368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8925.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

		True	Calc.	% Drift			
98	cyclohexanone	500.000	353.248	29.4#	78	0.00	15.28

		AvgRF	CCRF	% Dev			
99	1,1,2,2-tetrachloroethane	1.105	1.059	4.2	104	0.00	15.43
100	trans-1,4-dichloro-2-bute	0.251	0.238	5.2	100	0.00	15.46
101	1,2,3-trichloropropane	0.216	0.217	-0.5	105	0.00	15.50
102	n-propylbenzene	3.621	3.567	1.5	108	0.00	15.49
103	2-chlorotoluene	0.721	0.723	-0.3	107	0.00	15.64
104	4-chlorotoluene	2.251	2.154	4.3	106	0.00	15.74
105	1,3,5-trimethylbenzene	2.599	2.656	-2.2	107	0.00	15.64
106	tert-butylbenzene	2.086	2.098	-0.6	91	0.00	15.98
107	pentachloroethane	0.516	0.559	-8.3	104	0.00	16.08
108	1,2,4-trimethylbenzene	2.638	2.623	0.6	107	0.00	16.03
109	sec-butylbenzene	3.632	3.618	0.4	106	0.00	16.19
110	1,3-dichlorobenzene	1.579	1.514	4.1	104	0.00	16.39
111	p-isopropyltoluene	2.915	2.919	-0.1	108	0.00	16.31
112	1,4-dichlorobenzene	1.614	1.540	4.6	104	0.00	16.47
113	indane		NA				
114	1,2-dichlorobenzene	1.642	1.569	4.4	104	0.00	16.86
115	n-butylbenzene	1.620	1.606	0.9	107	0.00	16.71
116	1,2-dibromo-3-chloropropa	0.239	0.222	7.1	99	0.00	17.61
117	1,3,5-trichlorobenzene	1.399	1.350	3.5	103	0.00	17.74
118	1,2,4-trichlorobenzene	1.310	1.311	-0.1	104	0.00	18.32
119	hexachlorobutadiene	0.596	0.590	1.0	105	0.00	18.40
120	naphthalene	3.742	3.682	1.6	101	0.00	18.58
121	1,2,3-trichlorobenzene	1.256	1.259	-0.2	104	0.00	18.79
122	hexachloroethane	0.624	0.664	-6.4	104	0.00	17.09
123	Benzyl chloride	2.012	1.772	11.9	96	0.00	16.60

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4V8920.D M4V368.M Wed Jun 18 16:20:45 2014 RPT1

Continuing Calibration Summary

Job Number: JB69534 **Sample:** V4V382-CC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V9248.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\4V9248.D Vial: 2
Acq On : 27 Jun 2014 9:03 am Operator: BenM
Sample : cc368-20 Inst : GCMS4V
Misc : MS69682,V4V382,5,,,,1 Multiplr: 1.00
MS Integration Params: lcsint.p

Method : C:\MSDCHEM\1\METHODS\M4V368.M (RTE Integrator)
Title : sw846 8260b
Last Update : Wed Jun 18 16:17:49 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	114	-0.02	7.45
2		1,4-dioxane	0.078	0.075	3.8	114	0.00	11.65
3	M	tertiary butyl alcohol	0.994	0.994	0.0	113	-0.03	7.58
4	I	pentafluorobenzene	1.000	1.000	0.0	97	0.00	9.93
5		Freon 143a		----------NA----------				
6		chlorodifluoromethane	0.724	0.705	2.6	96	0.00	3.64
7		dichlorodifluoromethane	0.798	0.737	7.6	86	-0.01	3.62
8		freon 142b		----------NA----------				
9		chloromethane	0.786	0.722	8.1	96	0.00	3.95
10		vinyl chloride	0.827	0.836	-1.1	98	0.00	4.24
11		bromomethane	0.531	0.547	-3.0	102	0.00	4.94
12		chloroethane	0.300	0.318	-6.0	98	0.00	5.13
13		trichlorofluoromethane	0.850	0.933	-9.8	106	0.00	5.65
14		ethyl ether	0.207	0.232	-12.1	108	-0.01	6.10
15		freon 141b		----------NA----------				
16		2-chloropropane	0.796	0.836	-5.0	106	0.00	6.33
17		acrolein	0.111	0.117	-5.4	105	0.00	6.44
18		1,1-dichloroethene	0.770	0.844	-9.6	106	-0.01	6.58
19		acetone	0.043	0.048	-11.6	105	-0.02	6.70
20		allyl chloride	0.211	0.248	-17.5	107	-0.01	7.20
21		acetonitrile	0.044	0.050	-13.6	108	-0.02	7.24
22		iodomethane	0.997	1.133	-13.6	112	-0.01	6.91
23		iso-butyl alcohol	0.020	0.021	-5.0	108	-0.01	10.29
24		carbon disulfide	2.057	2.194	-6.7	110	-0.02	7.01
25		methylene chloride	0.572	0.637	-11.4	113	-0.01	7.45
26		1-chloropropane	0.222	0.212	4.5	98	-0.01	7.45
27		methyl acetate	0.076	0.082	-7.9	105	-0.02	7.21
28		methyl tert butyl ether	1.545	1.726	-11.7	112	-0.01	7.79
29		trans-1,2-dichloroethene	0.680	0.733	-7.8	106	-0.01	7.85
30		di-isopropyl ether	1.493	1.612	-8.0	107	0.00	8.48
31		ethyl tert-butyl ether	1.492	1.750	-17.3	111	0.00	9.00
32		2-butanone	0.055	0.059	-7.3	107	0.00	9.35
33	M	1,1-dichloroethane	0.838	0.906	-8.1	106	-0.01	8.52
34		chloroprene	0.569	0.614	-7.9	101	-0.01	8.62
35		acrylonitrile	0.182	0.197	-8.2	102	0.00	7.88
36		vinyl acetate	0.063	0.065	-3.2	106	0.00	8.54
37		ethyl acetate	0.073	0.071	2.7	91	0.00	9.35
38		2,2-dichloropropane	0.754	0.864	-14.6	115	0.00	9.34
39		cis-1,2-dichloroethene	0.859	0.888	-3.4	103	-0.01	9.35
40		propionitrile	0.076	0.081	-6.6	103	-0.01	9.49
41		methyl acrylate	0.545	0.576	-5.7	106	0.00	9.44

Continuing Calibration Summary

Job Number: JB69534 **Sample:** V4V382-CC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V9248.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		bromochloromethane	0.262	0.274	-4.6	105	0.00	9.70
43		tetrahydrofuran	0.187	0.184	1.6	102	0.00	9.73
44		chloroform	0.852	0.877	-2.9	105	-0.01	9.77
45	S	dibromofluoromethane (s)	0.473	0.499	-5.5	108	0.00	9.99
46	S	1,2-dichloroethane-d4 (s)	0.469	0.504	-7.5	107	0.00	10.43
47		freon 113	0.392	0.464	-18.4	113	0.00	6.54
48		methacrylonitrile	0.637	0.677	-6.3	106	-0.01	9.66
49		1,1,1-trichloroethane	0.774	0.876	-13.2	113	-0.01	10.00
50		tert-amyl methyl ether	1.505	1.697	-12.8	112	0.00	10.51
51	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.90
52		epichlorohydrin	0.036	0.041	-13.9	122	0.00	12.21
53		n-butyl alcohol	0.012	0.013	-8.3	116	0.00	11.08
54	M	cyclohexane	0.570	0.560	1.8	105	0.00	10.05
55		carbon tetrachloride	0.539	0.561	-4.1	111	0.00	10.20
56		1,1-dichloropropene	0.460	0.450	2.2	107	0.00	10.19
57		hexane	0.384	0.354	7.8	94	-0.01	8.16
58	M	benzene	1.370	1.360	0.7	109	0.00	10.48
59	m	isooctane	1.325	1.309	1.2	100	0.00	10.44
60		heptane	0.211	0.203	3.8	99	0.00	10.63
61		isopropyl acetate	0.891	1.216	-36.5#	147	0.00	10.43
62		1,2-dichloroethane	0.412	0.427	-3.6	107	0.00	10.53
63		trichloroethene	0.345	0.358	-3.8	111	0.00	11.23
64		ethyl acrylate		----------NA----------				
65		2-nitropropane	0.802	0.803	-0.1	116	0.00	12.07
66		2-chloroethyl vinyl ether	0.212	0.237	-11.8	122	0.00	12.07
67		methyl methacrylate	0.222	0.229	-3.2	117	0.00	11.53
68		1,2-dichloropropane	0.327	0.350	-7.0	112	0.00	11.52
69		methylcyclohexane	0.579	0.607	-4.8	108	-0.01	11.41
70		dibromomethane	0.233	0.252	-8.2	112	0.00	11.69
71		bromodichloromethane	0.460	0.480	-4.3	112	0.00	11.82
72		cis-1,3-dichloropropene	0.533	0.547	-2.6	119	0.00	12.28
73	S	toluene-d8 (s)	1.062	1.129	-6.3	123	0.00	12.55
74		4-methyl-2-pentanone	0.148	0.155	-4.7	115	0.00	12.38
75		toluene	0.735	0.758	-3.1	120	0.00	12.62
76		3-methyl-1-butanol	0.011	0.012	-9.1	125	0.00	12.43
77		trans-1,3-dichloropropene	0.476	0.510	-7.1	122	0.00	12.86
78		ethyl methacrylate	0.420	0.436	-3.8	117	0.00	12.84
79		1,1,2-trichloroethane	0.261	0.282	-8.0	121	0.00	13.08
80		2-hexanone	0.138	0.152	-10.1	121	0.00	13.25
81	I	chlorobenzene-d5	1.000	1.000	0.0	125	0.00	14.10
82		tetrachloroethene	0.354	0.342	3.4	120	0.00	13.20
83		1,3-dichloropropane	0.535	0.514	3.9	129	0.00	13.26
84		butyl acetate	0.263	0.256	2.7	116	0.00	13.31
85		dibromochloromethane	0.432	0.423	2.1	123	0.00	13.52
86		1,2-dibromoethane	0.389	0.387	0.5	126	0.00	13.67
87		chlorobenzene	0.978	0.965	1.3	128	0.00	14.13
88		1,1,1,2-tetrachloroethane	0.413	0.390	5.6	114	0.00	14.20
89		ethylbenzene	1.720	1.636	4.9	123	0.00	14.18
90		m,p-xylene	0.644	0.619	3.9	127	0.00	14.29
91		o-xylene	0.667	0.646	3.1	125	0.00	14.72
92		styrene	1.120	1.073	4.2	123	0.00	14.74
93		bromoform	0.340	0.338	0.6	122	0.00	15.03
94	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	124	0.00	16.45
95		isopropylbenzene	3.034	2.737	9.8	120	0.00	15.07
96	S	4-bromofluorobenzene (s)	0.869	0.900	-3.6	136	0.00	15.29
97		bromobenzene	0.777	0.761	2.1	127	0.00	15.49

Continuing Calibration Summary

Job Number: JB69534 **Sample:** V4V382-CC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V9248.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

		True	Calc.	% Drift			
98	cyclohexanone	200.000	39.630	80.2#	42	0.00	15.28

		AvgRF	CCRF	% Dev			
99	1,1,2,2-tetrachloroethane	1.105	1.035	6.3	125	0.00	15.42
100	trans-1,4-dichloro-2-bute	0.251	0.214	14.7	111	0.00	15.46
101	1,2,3-trichloropropane	0.216	0.221	-2.3	129	0.00	15.49
102	n-propylbenzene	3.621	3.342	7.7	122	0.00	15.48
103	2-chlorotoluene	0.721	0.697	3.3	127	0.00	15.63
104	4-chlorotoluene	2.251	2.144	4.8	125	0.00	15.74
105	1,3,5-trimethylbenzene	2.599	2.455	5.5	126	0.00	15.63
106	tert-butylbenzene	2.086	1.911	8.4	118	0.00	15.98
107	pentachloroethane	0.516	0.495	4.1	118	0.00	16.08
108	1,2,4-trimethylbenzene	2.638	2.507	5.0	125	0.00	16.03
109	sec-butylbenzene	3.632	3.261	10.2	120	0.00	16.19
110	1,3-dichlorobenzene	1.579	1.504	4.7	124	0.00	16.39
111	p-isopropyltoluene	2.915	2.722	6.6	122	0.00	16.31
112	1,4-dichlorobenzene	1.614	1.504	6.8	123	0.00	16.47
113	indane		----------NA----------				
114	1,2-dichlorobenzene	1.642	1.561	4.9	125	0.00	16.86
115	n-butylbenzene	1.620	1.475	9.0	116	0.00	16.71
116	1,2-dibromo-3-chloropropa	0.239	0.217	9.2	117	0.00	17.60
117	1,3,5-trichlorobenzene	1.399	1.290	7.8	122	0.00	17.74
118	1,2,4-trichlorobenzene	1.310	1.193	8.9	119	0.00	18.32
119	hexachlorobutadiene	0.596	0.548	8.1	119	0.00	18.40
120	naphthalene	3.742	3.394	9.3	118	0.00	18.57
121	1,2,3-trichlorobenzene	1.256	1.169	6.9	120	0.00	18.79
122	hexachloroethane	0.624	0.561	10.1	112	0.00	17.08
123	Benzyl chloride	2.012	1.944	3.4	124	0.00	16.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4V8919.D M4V368.M Fri Jun 27 14:27:00 2014 RPT1

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110983.D
Acq On : 23 Jun 2014 2:26 pm
Operator : prashans
Sample : JB69534-1
Misc : MS69363,V3C4998,6.1,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 14:17:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

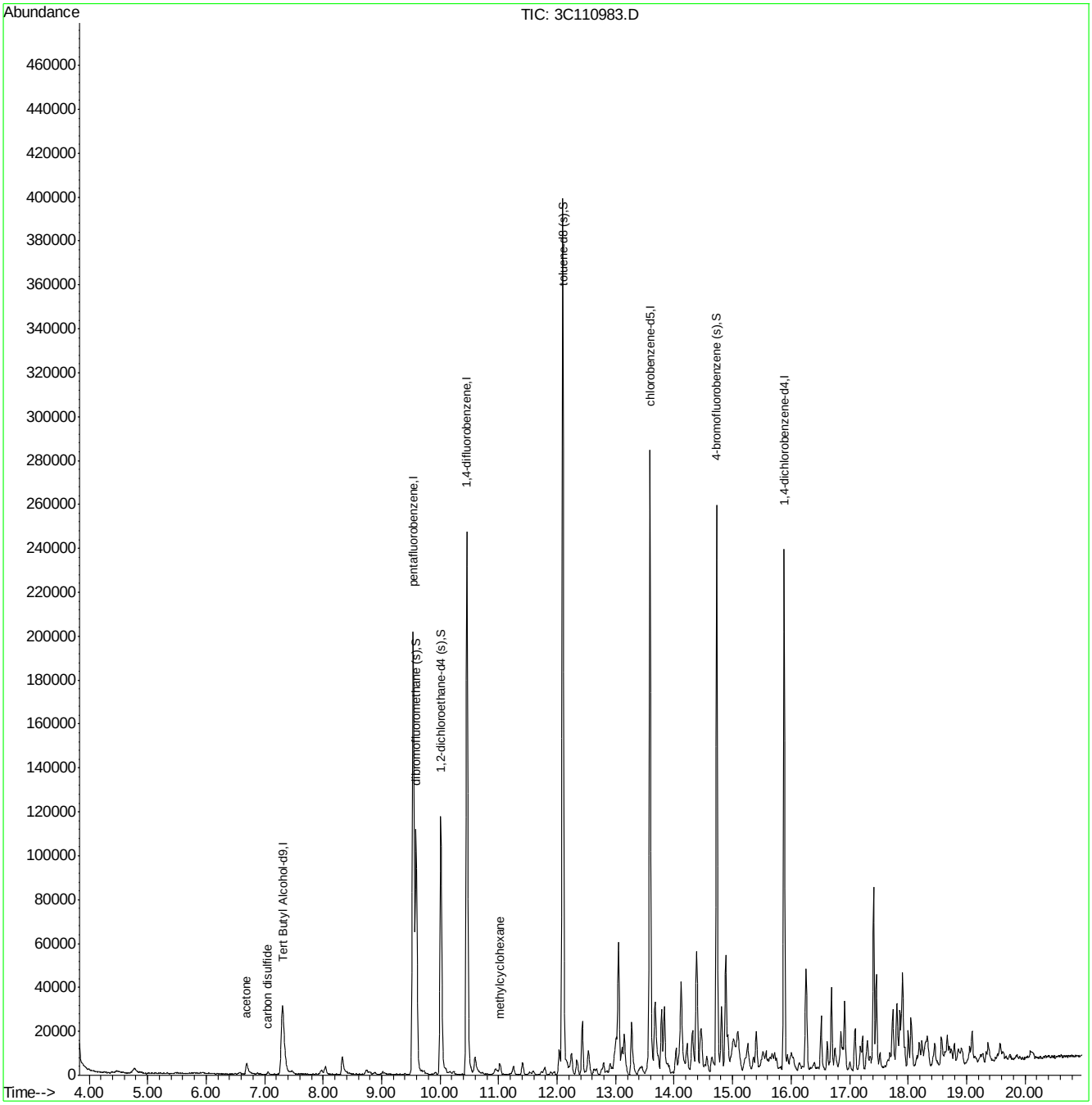
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	62029	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	145437	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	195914	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	128033	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	49503	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	72007	54.35	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 108.70%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	99895	51.28	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.56%			
74) toluene-d8 (s)	12.09	98	255940	50.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.86%			
99) 4-bromofluorobenzene (s)	14.73	95	88249	58.91	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 117.82%			
Target Compounds						Qvalue
18) acetone	6.69	58	2710	14.77	ug/L #	81
23) carbon disulfide	7.05	76	1628	0.31	ug/L	82
70) methylcyclohexane	11.02	83	1959	0.72	ug/L	92

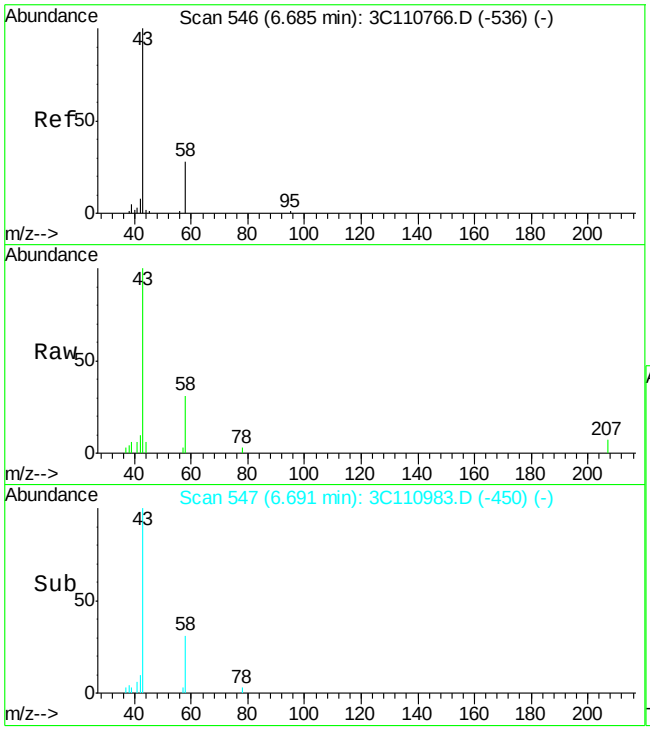
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110983.D
Acq On : 23 Jun 2014 2:26 pm
Operator : prashans
Sample : JB69534-1
Misc : MS69363,V3C4998,6.1,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 14:17:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

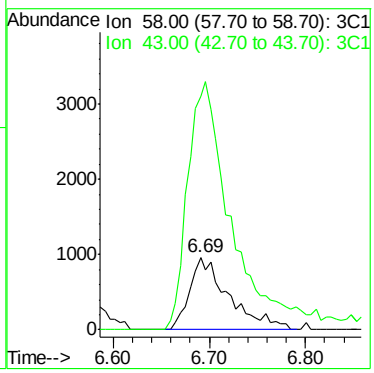


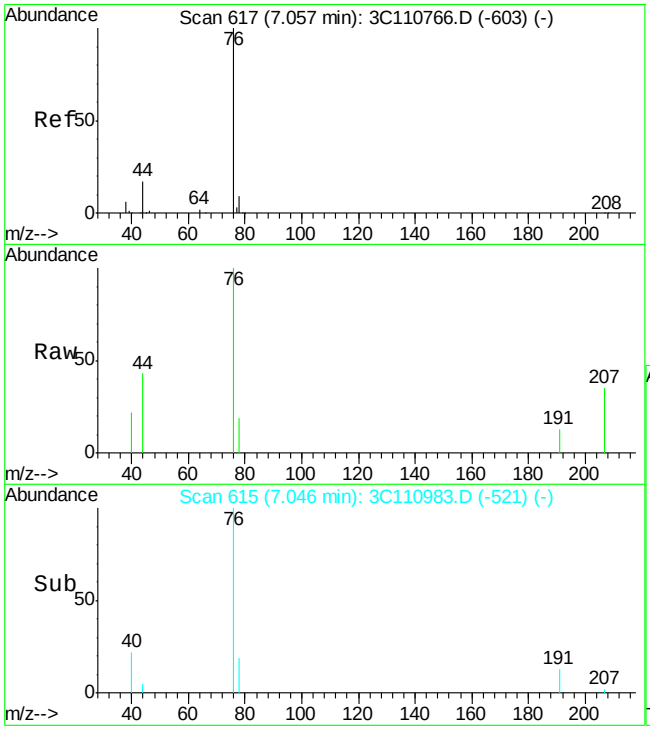


#18
acetone
Concen: 14.77 ug/L
RT: 6.69 min Scan# 547
Delta R.T. 0.01 min
Lab File: 3C110983.D
Acq: 23 Jun 2014 2:26 pm

Tgt Ion: 58 Resp: 2710

Ion	Ratio	Lower	Upper
58	100		
43	322.8	336.0	396.0#

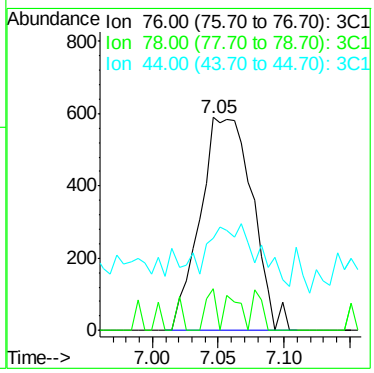


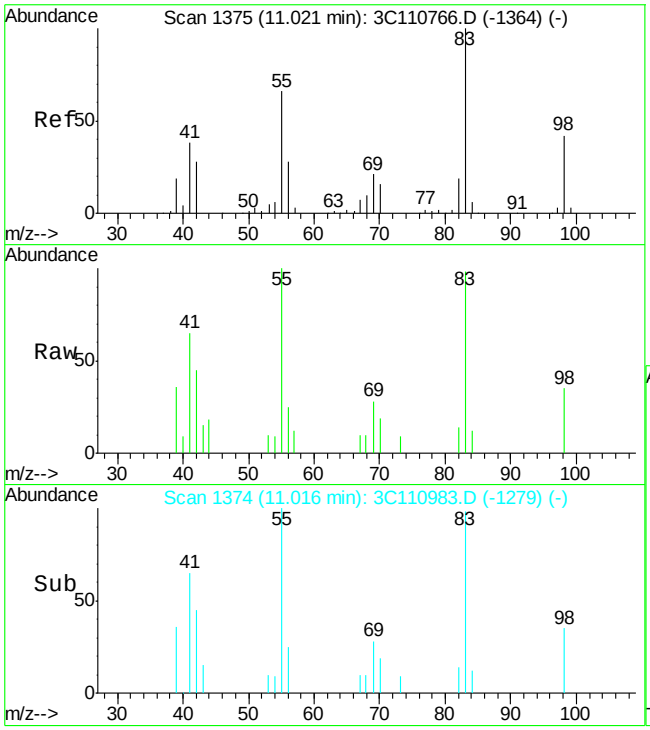


#23
carbon disulfide
Concen: 0.31 ug/L
RT: 7.05 min Scan# 615
Delta R.T. -0.01 min
Lab File: 3C110983.D
Acq: 23 Jun 2014 2:26 pm

Tgt Ion: 76 Resp: 1628

Ion	Ratio	Lower	Upper
76	100		
78	19.3	0.0	39.2
44	11.2	0.0	46.7

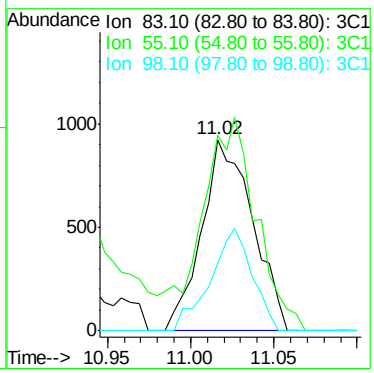




#70
methylcyclohexane
Concen: 0.72 ug/L
RT: 11.02 min Scan# 1374
Delta R.T. -0.01 min
Lab File: 3C110983.D
Acq: 23 Jun 2014 2:26 pm

Tgt Ion: 83 Resp: 1959

Ion	Ratio	Lower	Upper
83	100		
55	93.2	69.4	129.4
98	35.6	12.3	72.3



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110988.D
Acq On : 23 Jun 2014 4:46 pm
Operator : prashans
Sample : JB69534-2
Misc : MS69363,V3C4998,6.5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 24 14:20:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

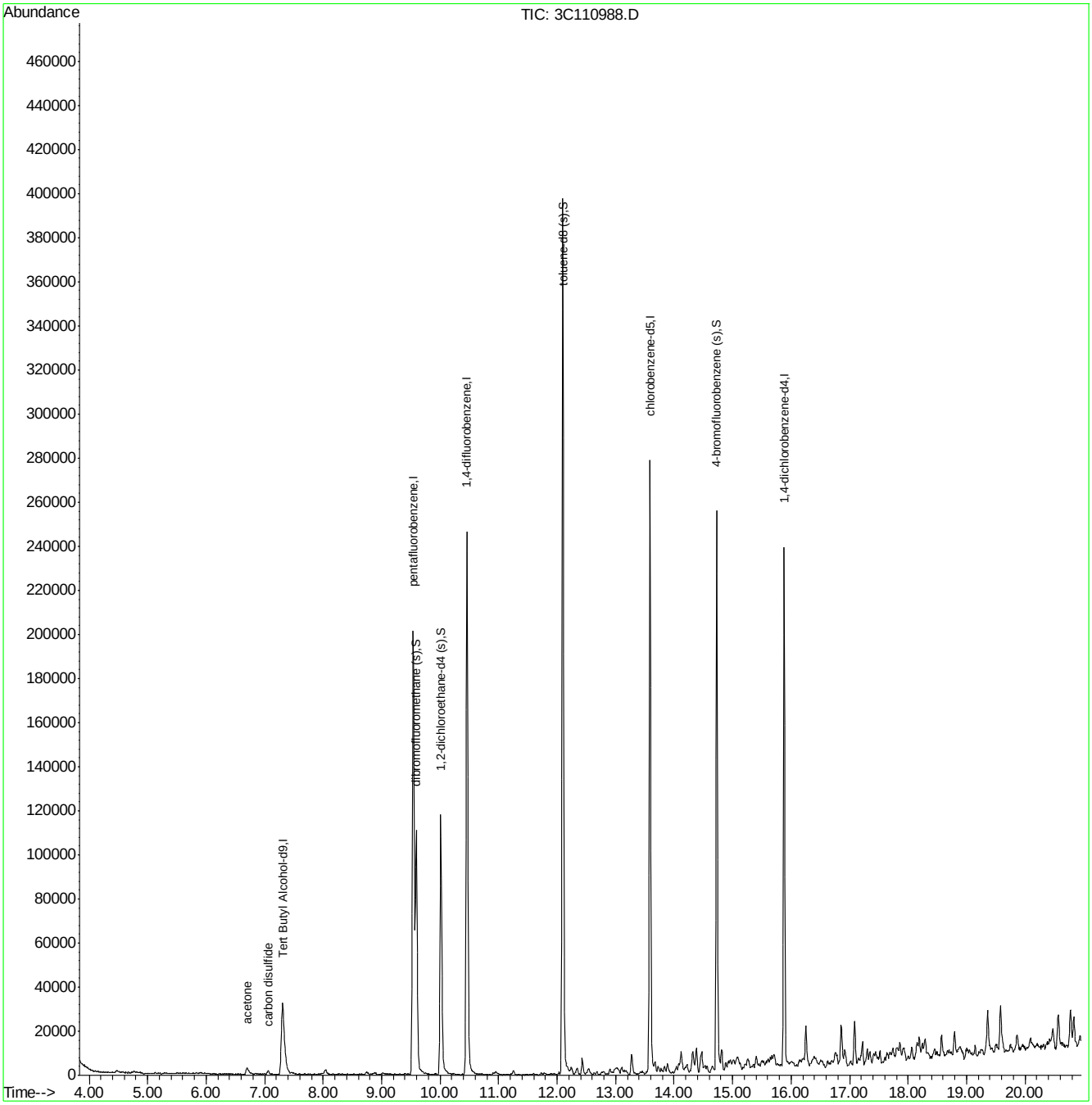
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	63037	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	143789	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	194659	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	125738	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	48058	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	71097	54.28	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 108.56%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	98644	51.22	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.44%			
74) toluene-d8 (s)	12.09	98	253951	50.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.72%			
99) 4-bromofluorobenzene (s)	14.73	95	84696	58.24	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.48%			
Target Compounds						Qvalue
18) acetone	6.70	58	1458	8.04	ug/L #	84
23) carbon disulfide	7.06	76	3132	0.60	ug/L	84

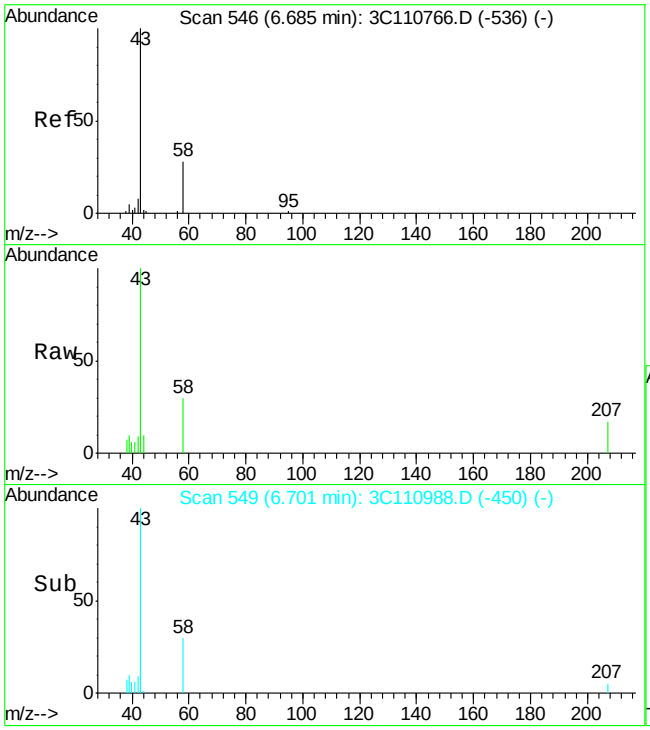
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110988.D
Acq On : 23 Jun 2014 4:46 pm
Operator : prashans
Sample : JB69534-2
Misc : MS69363,V3C4998,6.5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 24 14:20:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

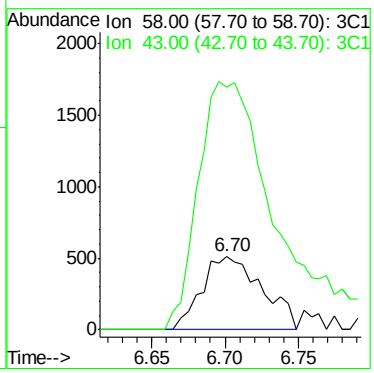


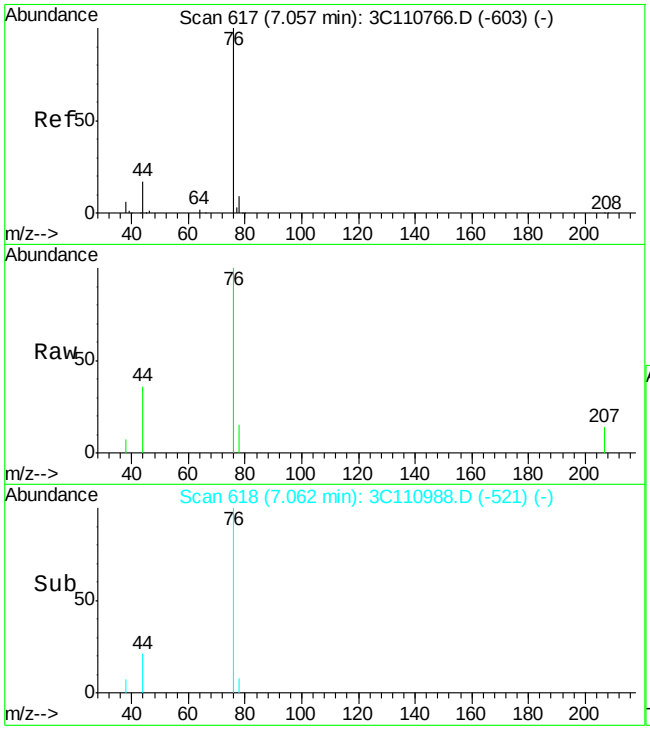


#18
acetone
Concen: 8.04 ug/L
RT: 6.70 min Scan# 549
Delta R.T. 0.02 min
Lab File: 3C110988.D
Acq: 23 Jun 2014 4:46 pm

Tgt Ion: 58 Resp: 1458

Ion	Ratio	Lower	Upper
58	100		
43	329.5	336.0	396.0#

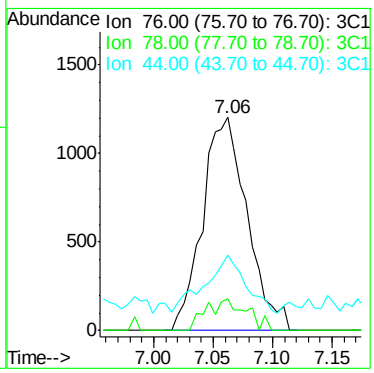




#23
carbon disulfide
Concen: 0.60 ug/L
RT: 7.06 min Scan# 618
Delta R.T. 0.01 min
Lab File: 3C110988.D
Acq: 23 Jun 2014 4:46 pm

Tgt Ion: 76 Resp: 3132

Ion	Ratio	Lower	Upper
76	100		
78	15.0	0.0	39.2
44	23.8	0.0	46.7



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110992.D
Acq On : 23 Jun 2014 7:09 pm
Operator : prashans
Sample : JB69534-3
Misc : MS69363,V3C4998,5.6,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 14:22:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

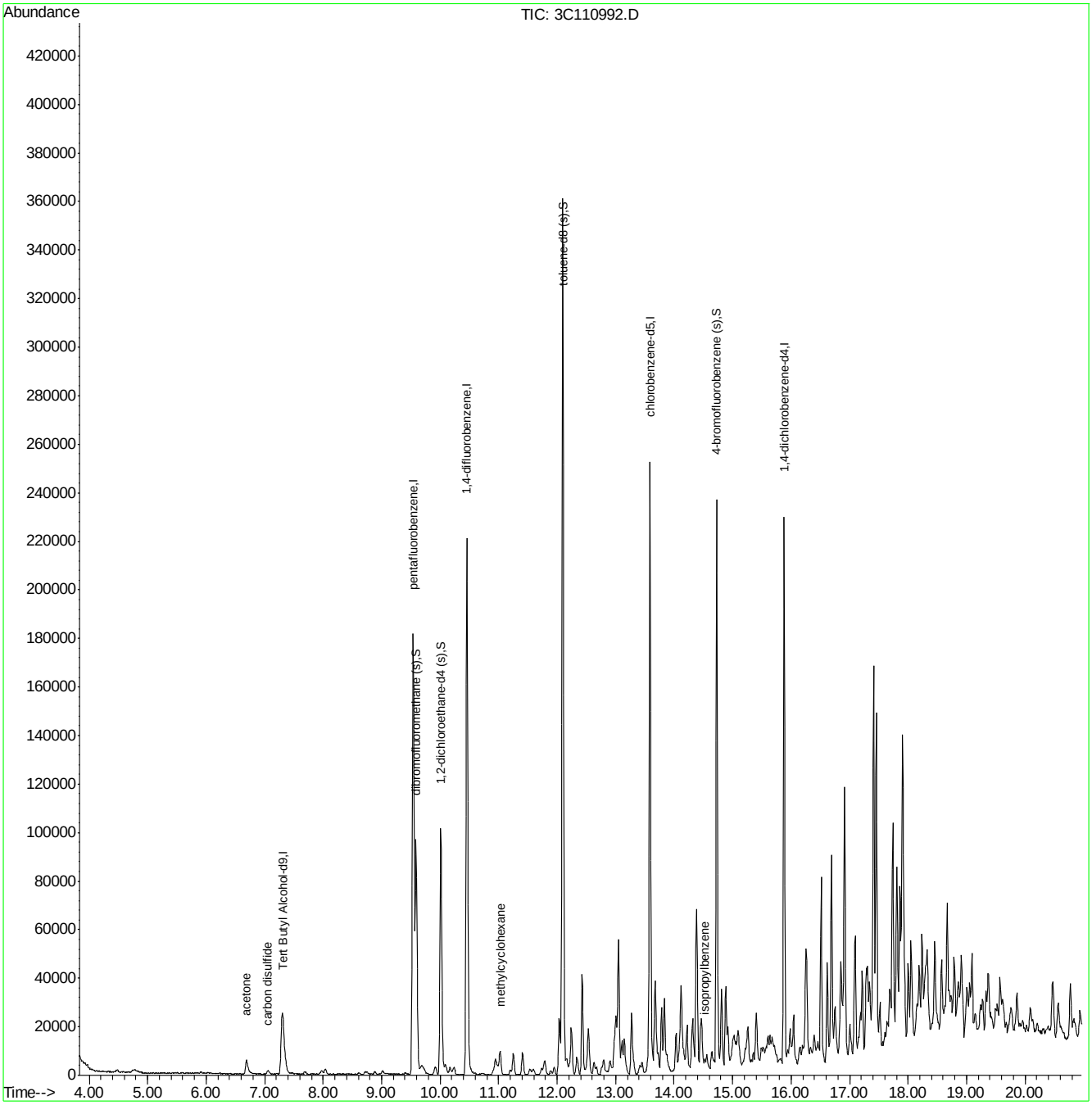
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	51908	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	129091	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	173770	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	112246	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	45574	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	62820	53.42	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 106.84%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	86424	49.99	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 99.98%			
74) toluene-d8 (s)	12.09	98	229707	51.03	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.06%			
99) 4-bromofluorobenzene (s)	14.73	95	76444	55.43	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 110.86%			
Target Compounds						Qvalue
18) acetone	6.69	58	2992	18.38	ug/L	90
23) carbon disulfide	7.06	76	2826	0.60	ug/L	90
70) methylcyclohexane	11.03	83	4181	1.72	ug/L	95
98) isopropylbenzene	14.53	105	1815	0.40	ug/L	90

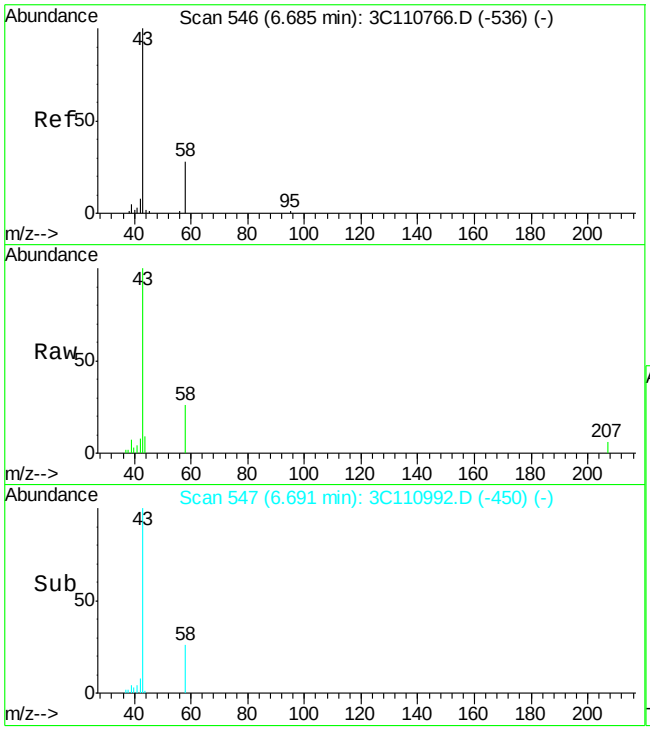
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110992.D
Acq On : 23 Jun 2014 7:09 pm
Operator : prashans
Sample : JB69534-3
Misc : MS69363,V3C4998,5.6,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 14:22:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

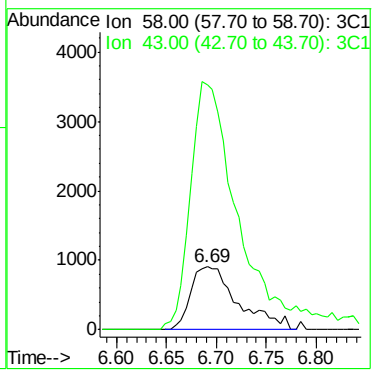


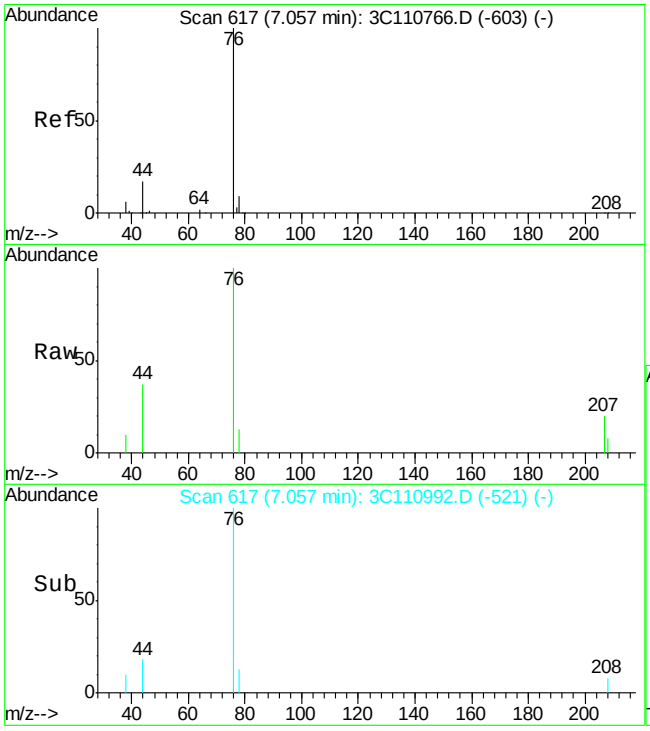


#18
acetone
Concen: 18.38 ug/L
RT: 6.69 min Scan# 547
Delta R.T. 0.01 min
Lab File: 3C110992.D
Acq: 23 Jun 2014 7:09 pm

Tgt Ion: 58 Resp: 2992

Ion	Ratio	Lower	Upper
58	100		
43	387.6	336.0	396.0

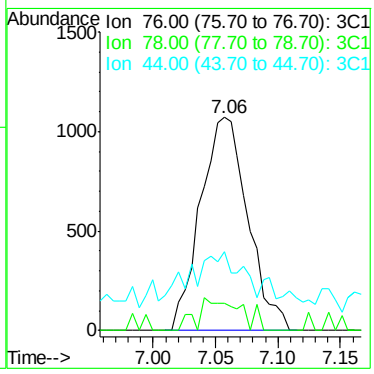


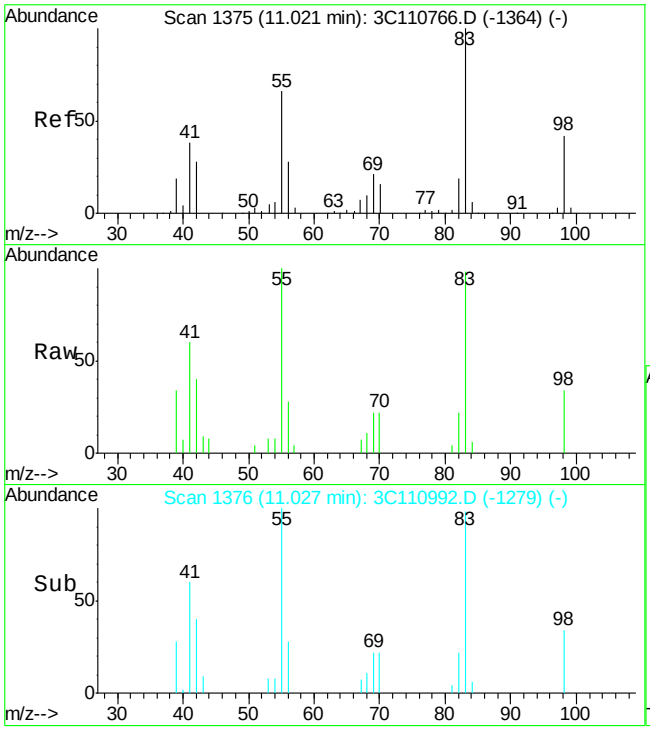


#23
carbon disulfide
Concen: 0.60 ug/L
RT: 7.06 min Scan# 617
Delta R.T. 0.00 min
Lab File: 3C110992.D
Acq: 23 Jun 2014 7:09 pm

Tgt Ion: 76 Resp: 2826

Ion	Ratio	Lower	Upper
76	100		
78	12.9	0.0	39.2
44	20.9	0.0	46.7

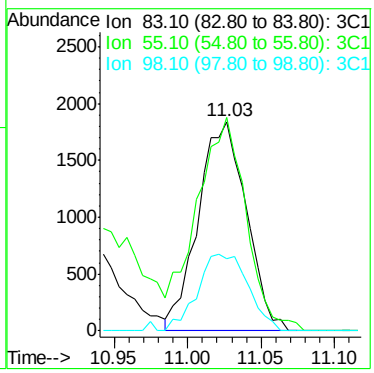


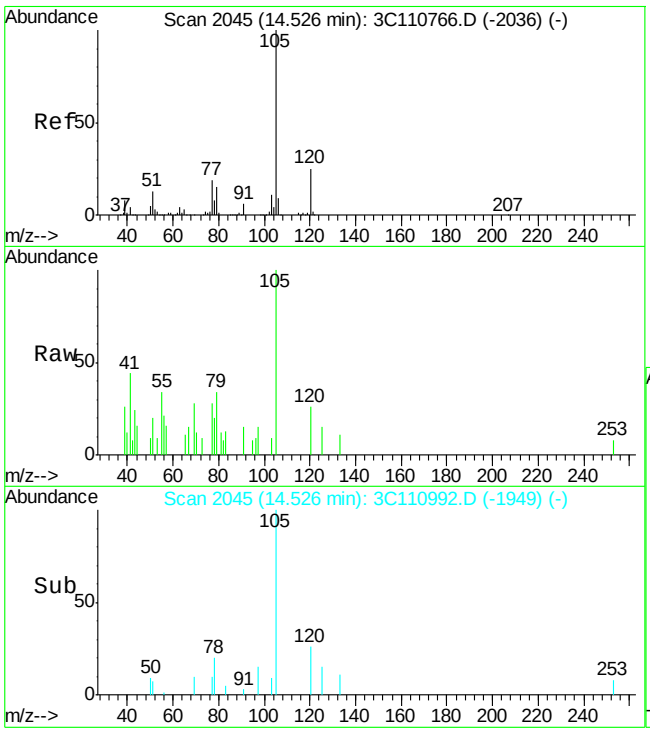


#70
methylcyclohexane
Concen: 1.72 ug/L
RT: 11.03 min Scan# 1376
Delta R.T. 0.01 min
Lab File: 3C110992.D
Acq: 23 Jun 2014 7:09 pm

Tgt Ion: 83 Resp: 4181

Ion	Ratio	Lower	Upper
83	100		
55	97.9	69.4	129.4
98	34.7	12.3	72.3

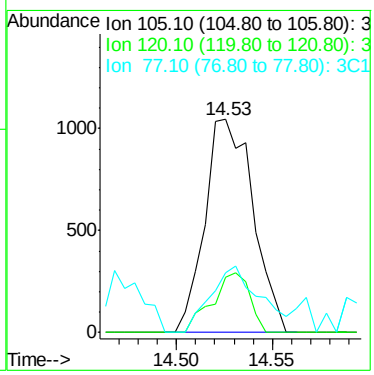




#98
isopropylbenzene
Concen: 0.40 ug/L
RT: 14.53 min Scan# 2045
Delta R.T. 0.00 min
Lab File: 3C110992.D
Acq: 23 Jun 2014 7:09 pm

Tgt Ion:105 Resp: 1815

Ion	Ratio	Lower	Upper
105	100		
120	26.0	0.0	55.3
77	28.2	0.0	48.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110993.D
Acq On : 23 Jun 2014 7:37 pm
Operator : prashans
Sample : JB69534-4
Misc : MS69363,V3C4998,5.3,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 24 14:22:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

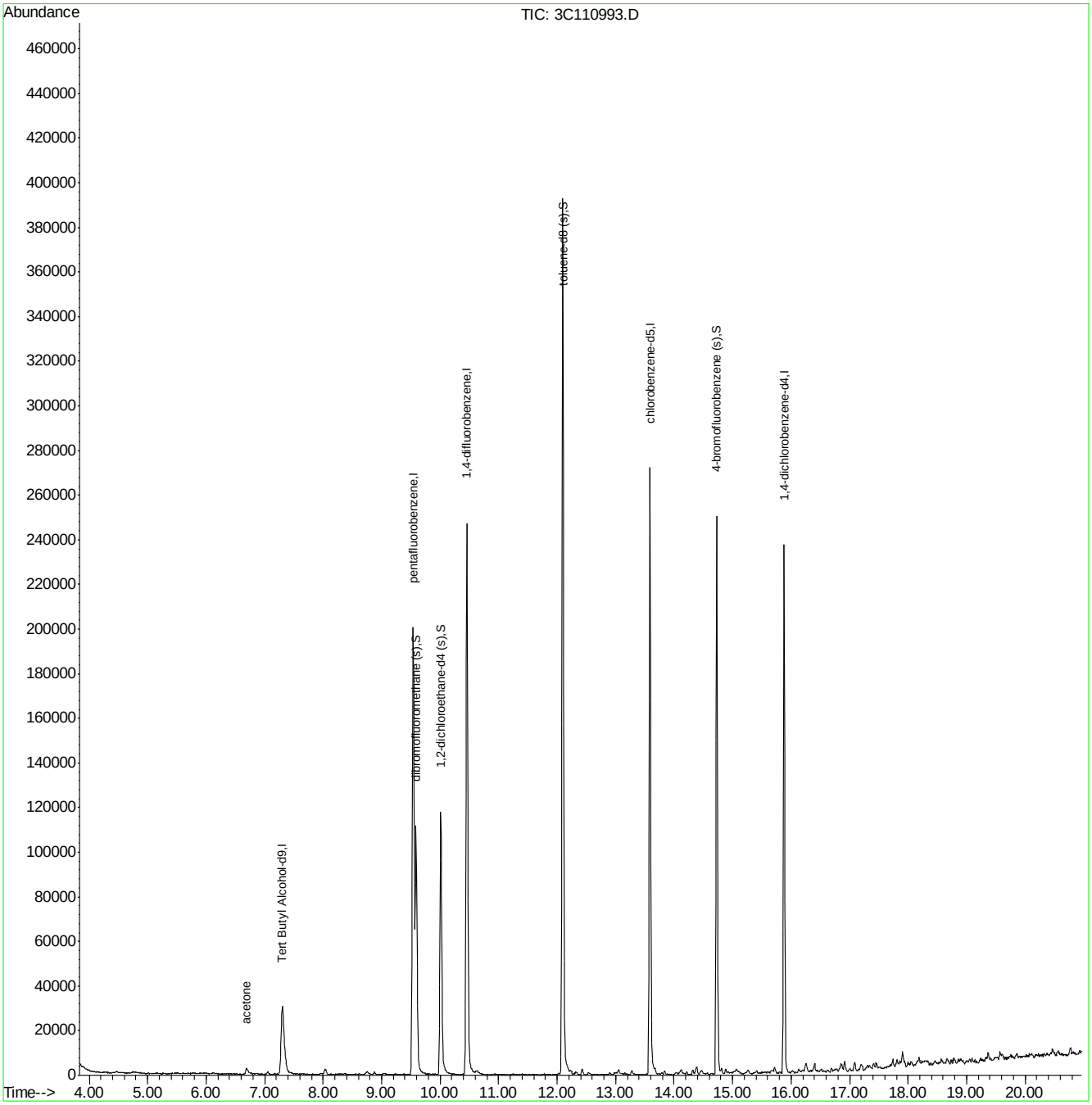
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	61391	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	147399	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	197608	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	127073	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	49213	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	71963	53.59	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.18%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	100325	50.82	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.64%			
74) toluene-d8 (s)	12.09	98	257840	50.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.74%			
99) 4-bromofluorobenzene (s)	14.73	95	86636	58.17	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.34%			
Target Compounds						Qvalue
18) acetone	6.69	58	1264	6.80	ug/L	# 84

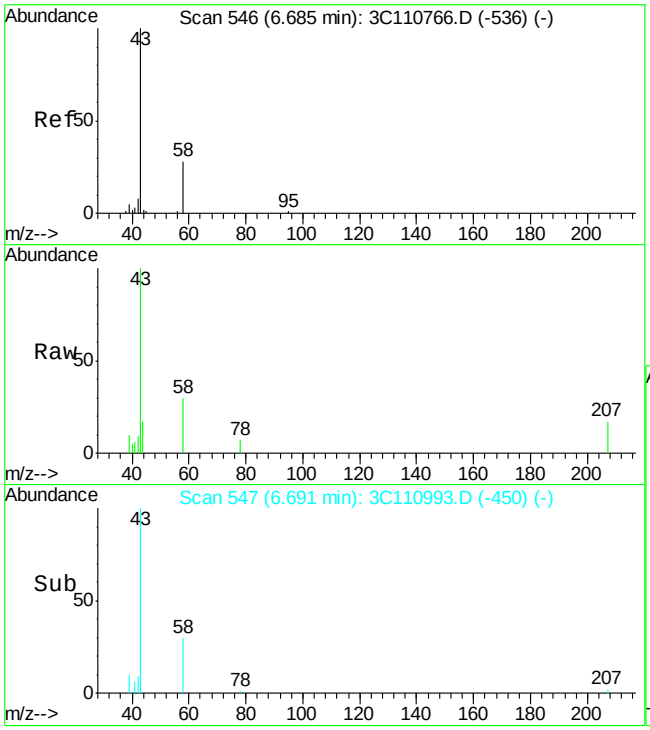
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110993.D
Acq On : 23 Jun 2014 7:37 pm
Operator : prashans
Sample : JB69534-4
Misc : MS69363,V3C4998,5.3,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 24 14:22:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

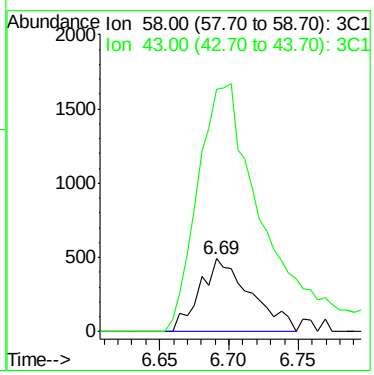




#18
acetone
Concen: 6.80 ug/L
RT: 6.69 min Scan# 547
Delta R.T. 0.01 min
Lab File: 3C110993.D
Acq: 23 Jun 2014 7:37 pm

Tgt Ion: 58 Resp: 1264

Ion	Ratio	Lower	Upper
58	100		
43	331.3	336.0	396.0#



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110994.D
Acq On : 23 Jun 2014 8:05 pm
Operator : prashans
Sample : JB69534-5
Misc : MS69363,V3C4998,6.3,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 14:23:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

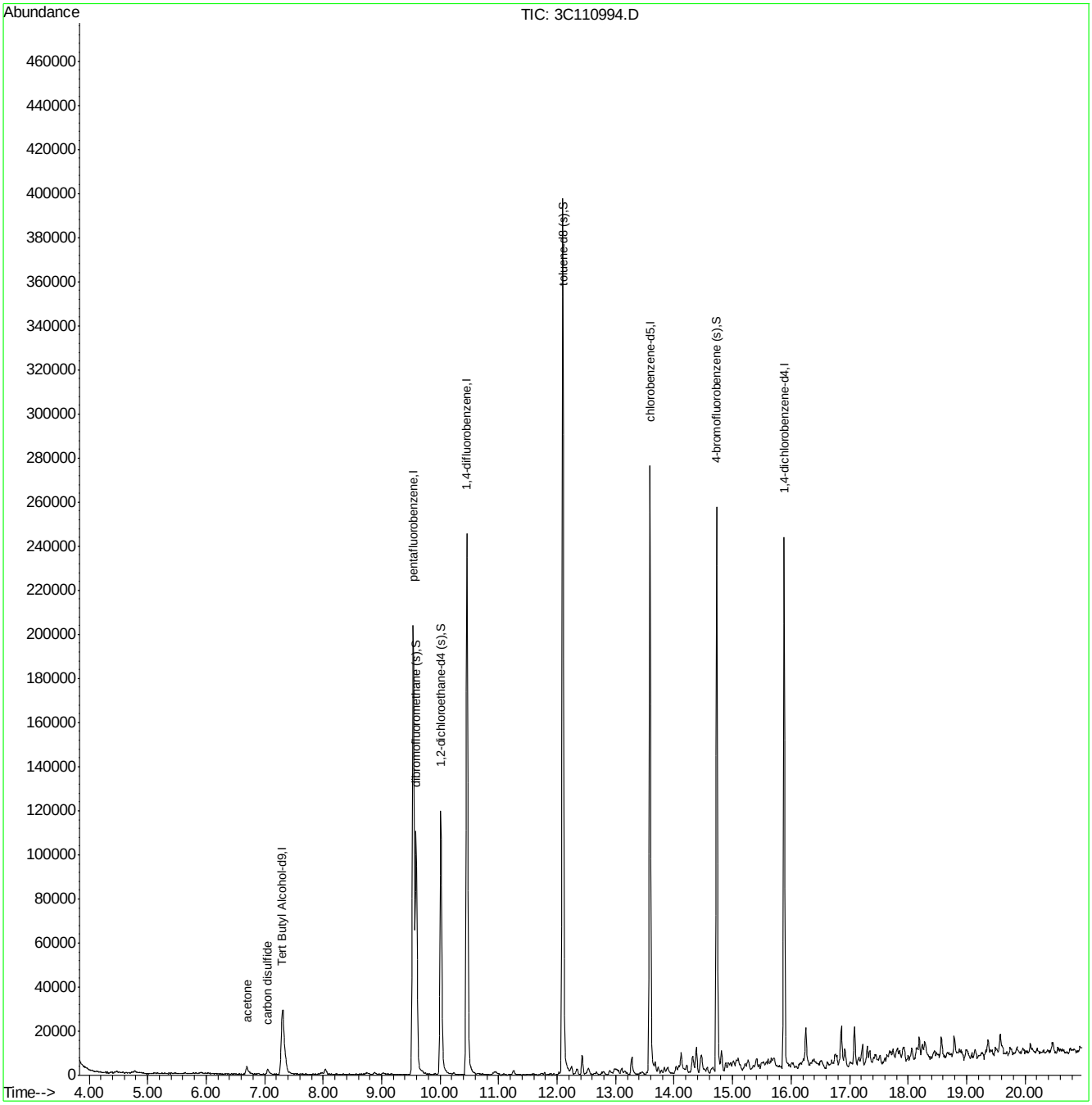
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	58986	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	147147	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	197660	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	127938	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	49057	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	71544	53.37	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 106.74%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	99984	50.73	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.46%			
74) toluene-d8 (s)	12.09	98	258302	50.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.88%			
99) 4-bromofluorobenzene (s)	14.73	95	85856	57.83	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.66%			
Target Compounds						Qvalue
18) acetone	6.70	58	1746	9.41	ug/L #	81
23) carbon disulfide	7.05	76	4094	0.77	ug/L	95

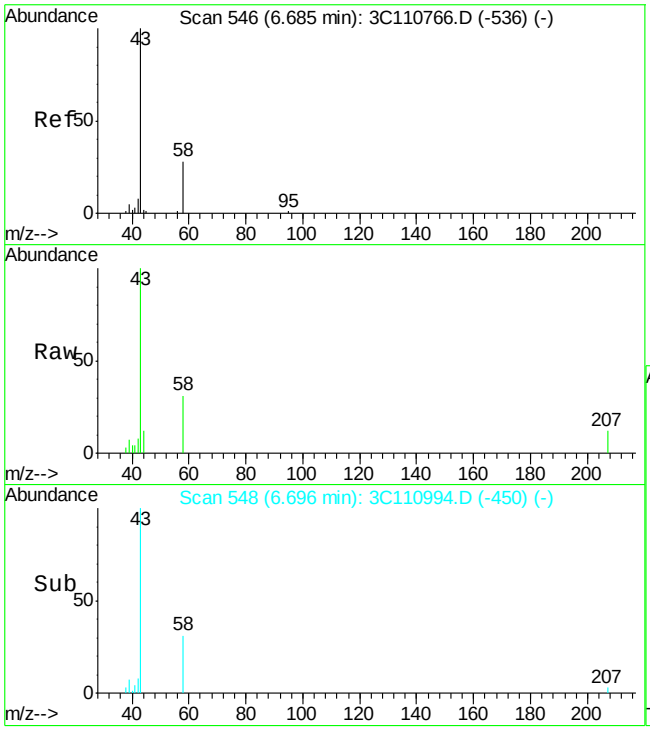
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110994.D
Acq On : 23 Jun 2014 8:05 pm
Operator : prashans
Sample : JB69534-5
Misc : MS69363,V3C4998,6.3,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 14:23:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

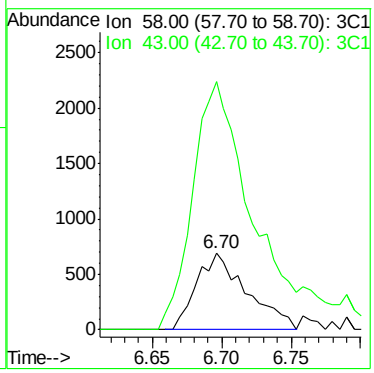


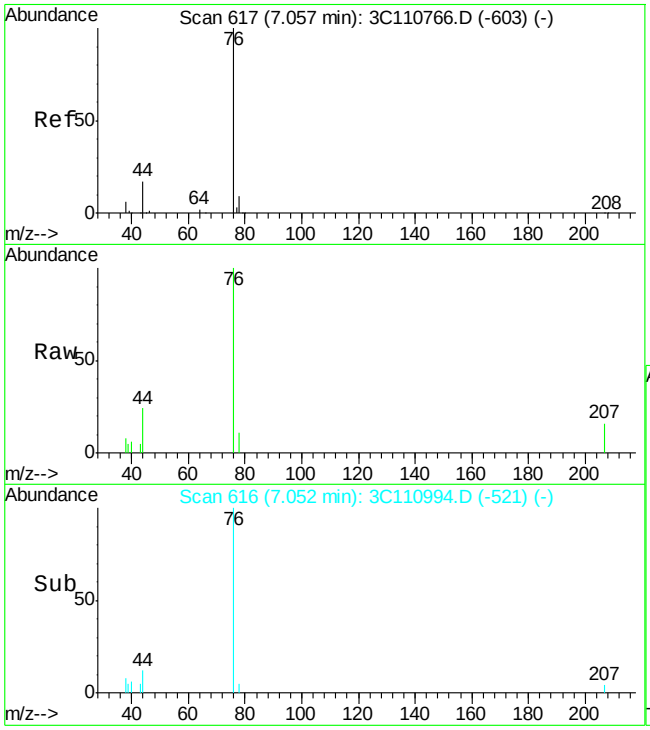


#18
acetone
Concen: 9.41 ug/L
RT: 6.70 min Scan# 548
Delta R.T. 0.01 min
Lab File: 3C110994.D
Acq: 23 Jun 2014 8:05 pm

Tgt Ion: 58 Resp: 1746

Ion	Ratio	Lower	Upper
58	100		
43	323.3	336.0	396.0#

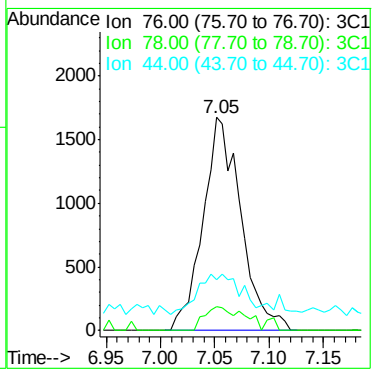




#23
carbon disulfide
Concen: 0.77 ug/L
RT: 7.05 min Scan# 616
Delta R.T. -0.01 min
Lab File: 3C110994.D
Acq: 23 Jun 2014 8:05 pm

Tgt Ion: 76 Resp: 4094

Ion	Ratio	Lower	Upper
76	100		
78	11.0	0.0	39.2
44	14.6	0.0	46.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9254.D
Acq On : 27 Jun 2014 11:50 am
Operator : BenM
Sample : jb69534-6
Misc : MS69364,V4V382,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 14:36:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

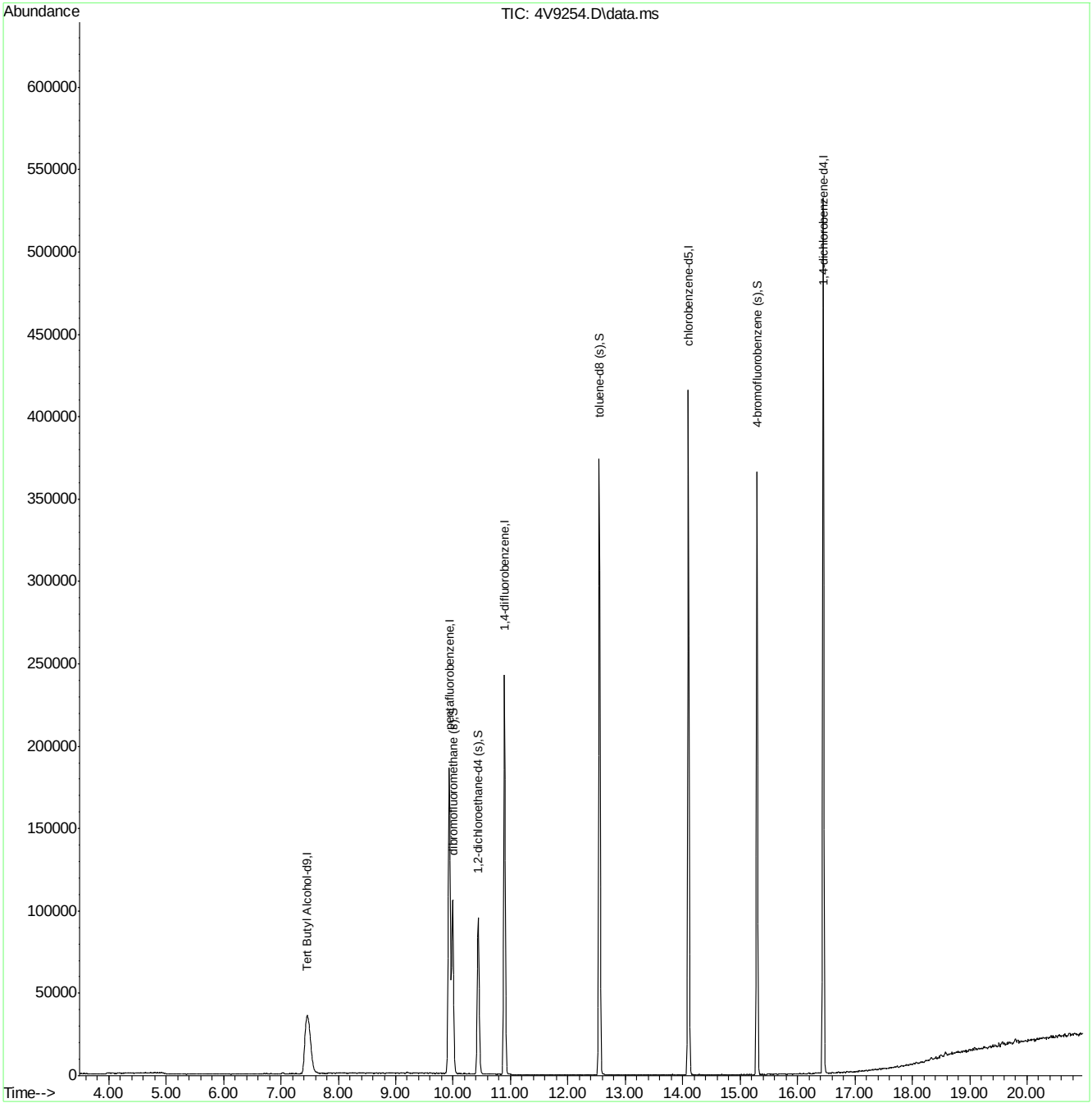
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.461	65	145588	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	170287	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	236092	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	231508	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	133371	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.994	113	84364	52.33	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 104.66%			
46) 1,2-dichloroethane-d4 (s)	10.434	65	81015	50.74	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.48%			
73) toluene-d8 (s)	12.552	98	265331	52.91	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.82%			
96) 4-bromofluorobenzene (s)	15.294	95	124559	53.74	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 107.48%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9254.D
Acq On : 27 Jun 2014 11:50 am
Operator : BenM
Sample : jb69534-6
Misc : MS69364,V4V382,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 14:36:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9255.D
Acq On : 27 Jun 2014 12:17 pm
Operator : BenM
Sample : jb69534-7
Misc : MS69364,V4V382,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 14:36:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

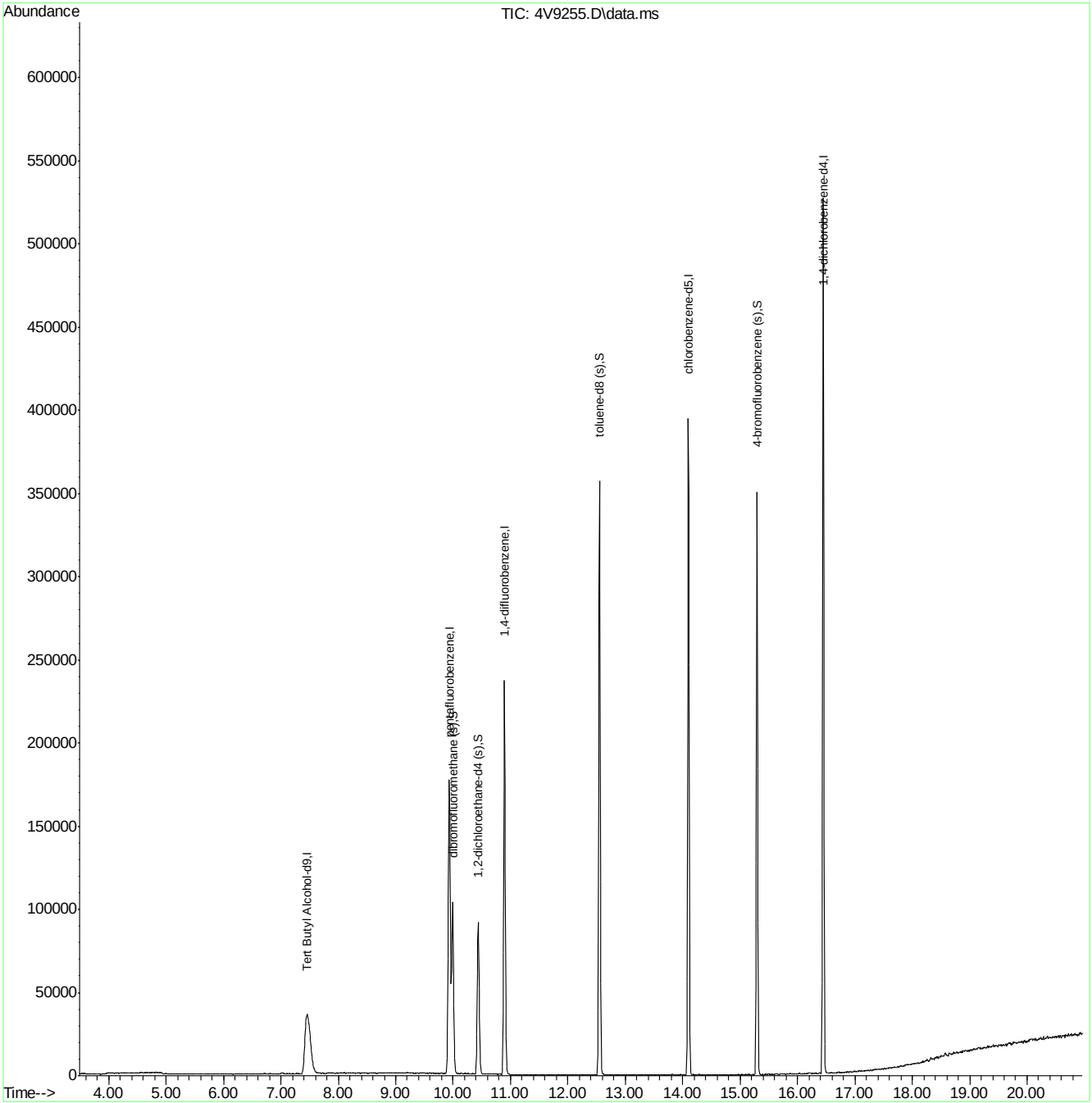
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.461	65	141569	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	164621	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	227067	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	221592	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	131620	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.993	113	82012	52.62	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 105.24%			
46) 1,2-dichloroethane-d4 (s)	10.434	65	77667	50.32	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 100.64%			
73) toluene-d8 (s)	12.552	98	257305	53.35	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.70%			
96) 4-bromofluorobenzene (s)	15.294	95	119909	52.43	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.86%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9255.D
Acq On : 27 Jun 2014 12:17 pm
Operator : BenM
Sample : jb69534-7
Misc : MS69364,V4V382,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 14:36:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110995.D
Acq On : 23 Jun 2014 8:32 pm
Operator : prashans
Sample : JB69534-8
Misc : MS69363,V3C4998,5.3,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 14:23:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

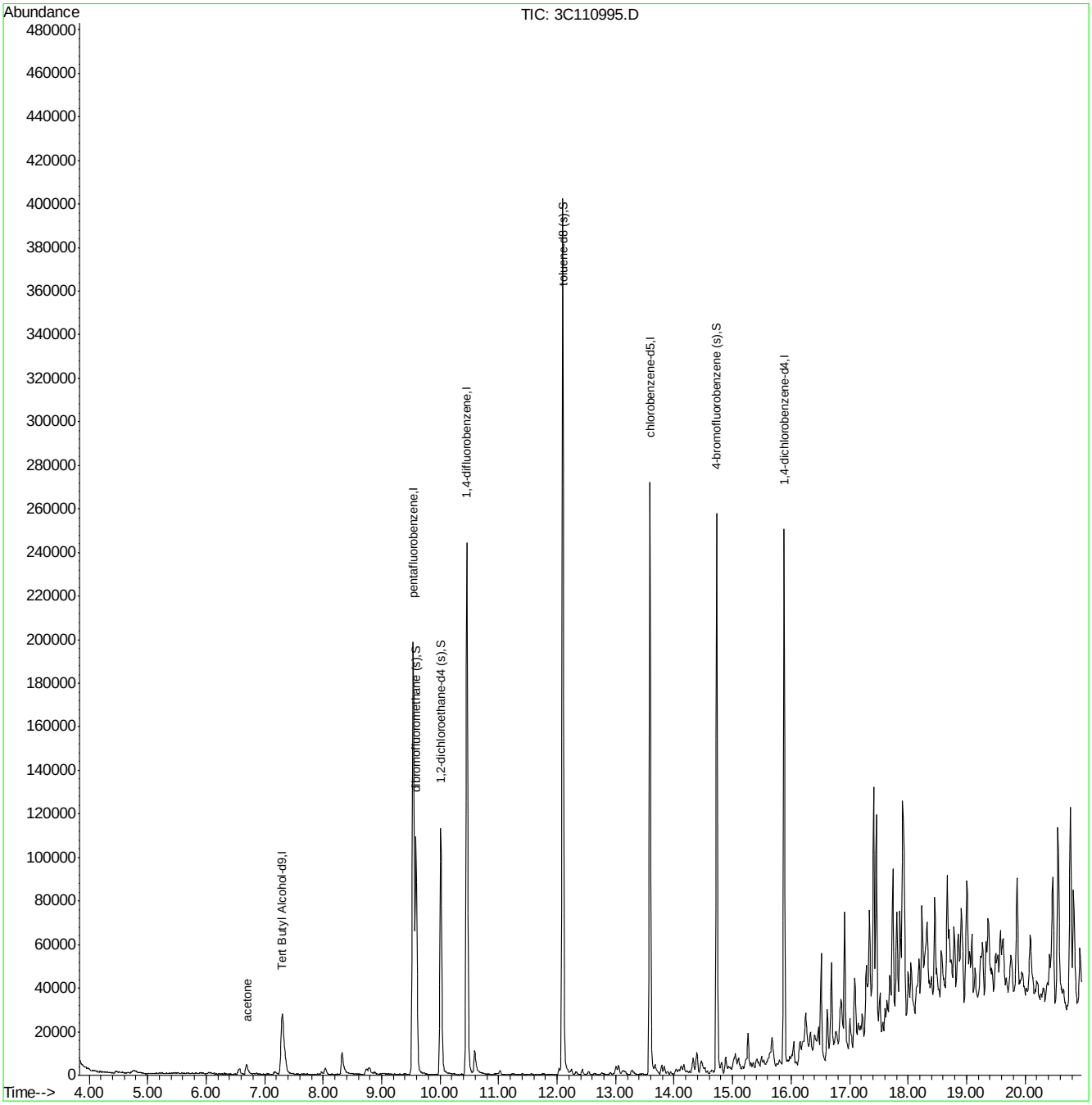
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	55376	500.00	ug/L	-0.01
5) pentafluorobenzene	9.54	168	144335	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	194500	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	124628	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	50012	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	70654	53.73	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.46%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	95954	49.64	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 99.28%			
74) toluene-d8 (s)	12.09	98	253177	50.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.50%			
99) 4-bromofluorobenzene (s)	14.73	95	86287	57.01	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 114.02%			
Target Compounds						Qvalue
18) acetone	6.70	58	2601	14.29	ug/L	# 84

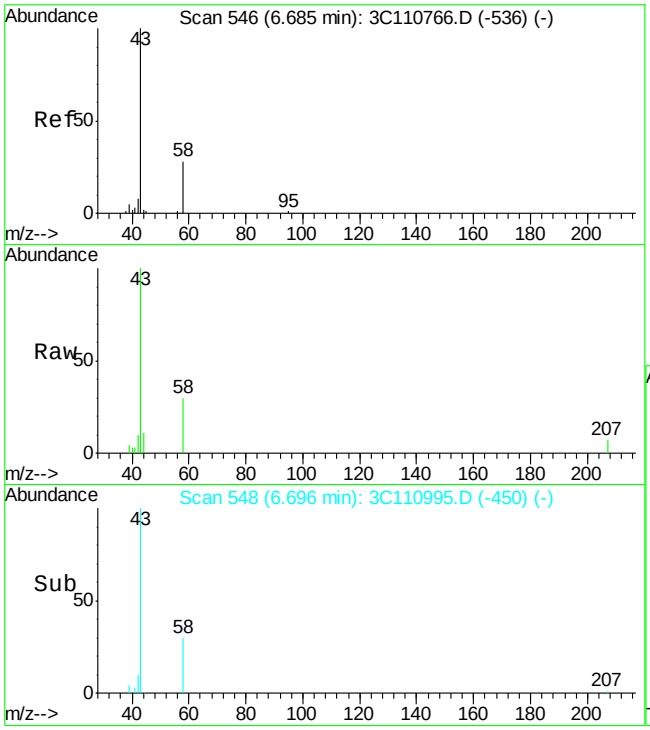
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110995.D
Acq On : 23 Jun 2014 8:32 pm
Operator : prashans
Sample : JB69534-8
Misc : MS69363,V3C4998,5.3,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 14:23:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

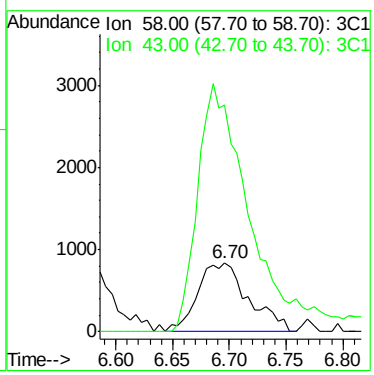




#18
acetone
Concen: 14.29 ug/L
RT: 6.70 min Scan# 548
Delta R.T. 0.01 min
Lab File: 3C110995.D
Acq: 23 Jun 2014 8:32 pm

Tgt Ion: 58 Resp: 2601

Ion	Ratio	Lower	Upper
58	100		
43	331.3	336.0	396.0#



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110996.D
Acq On : 23 Jun 2014 9:00 pm
Operator : prashans
Sample : JB69534-9
Misc : MS69363,V3C4998,6.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 14:24:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

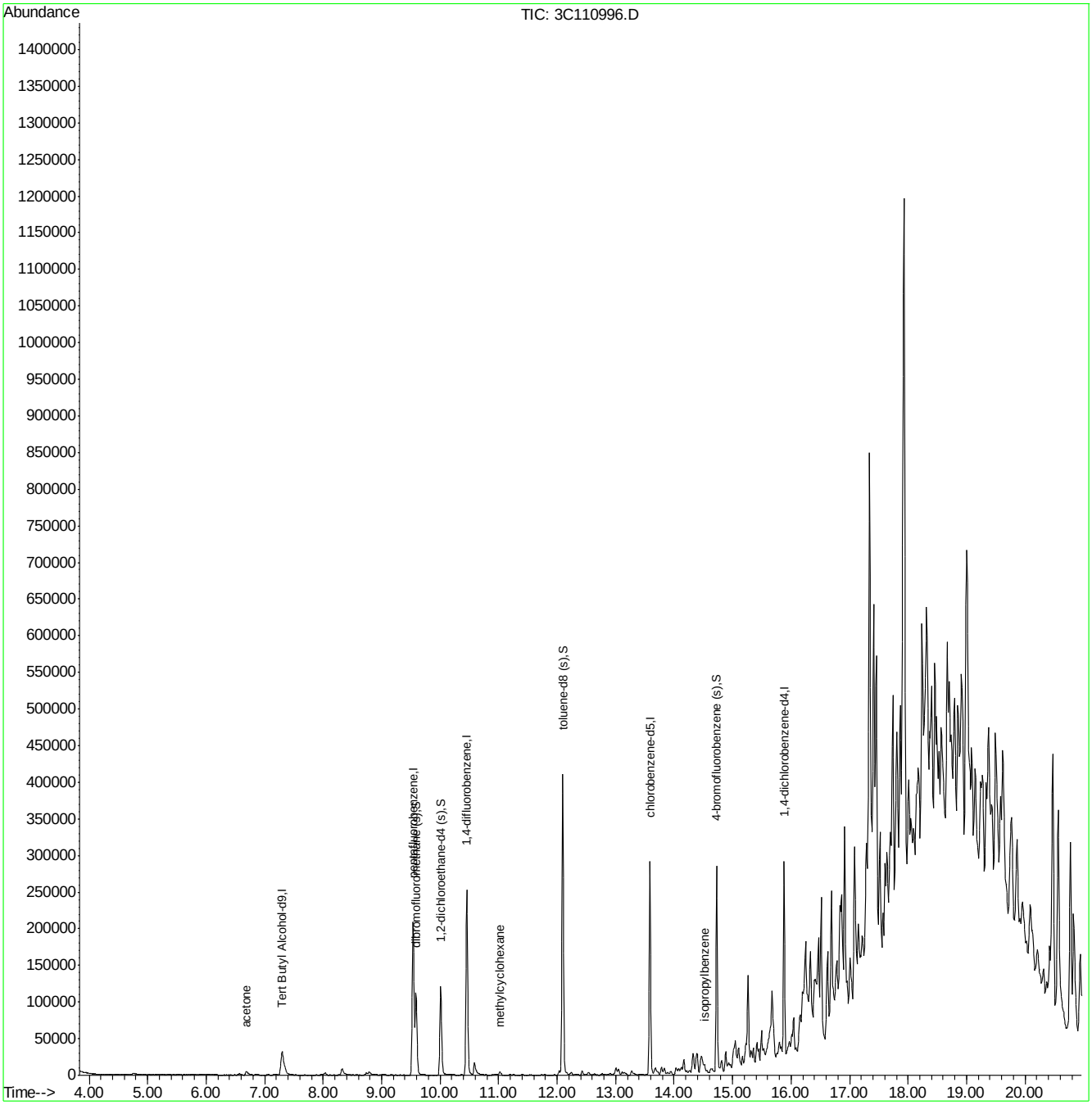
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	60578	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	145833	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	197140	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	129863	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	53693	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	72293	54.42	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 108.84%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	100384	51.39	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.78%			
74) toluene-d8 (s)	12.09	98	261579	51.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.44%			
99) 4-bromofluorobenzene (s)	14.73	95	90849	55.91	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 111.82%			
Target Compounds						Qvalue
18) acetone	6.69	58	2713	14.75	ug/L	98
70) methylcyclohexane	11.02	83	1614	0.59	ug/L	85
98) isopropylbenzene	14.53	105	3784	0.71	ug/L	96

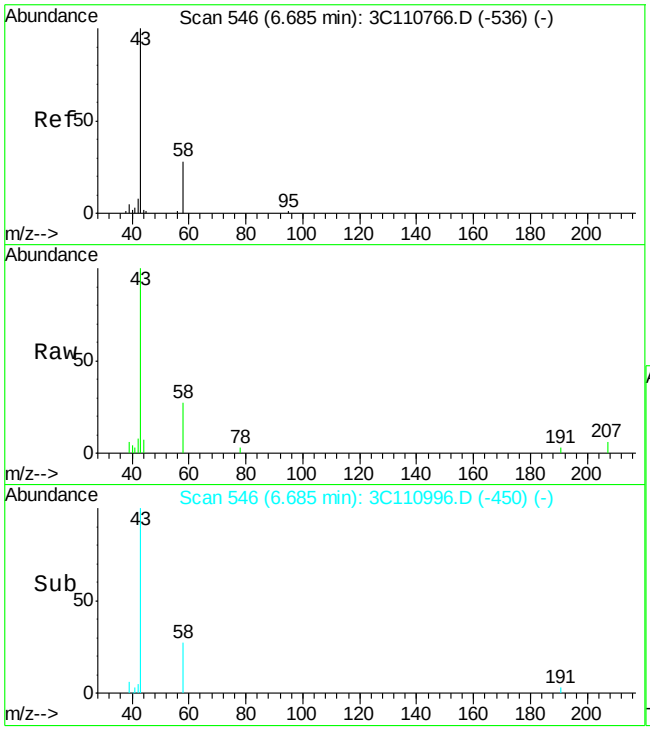
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110996.D
Acq On : 23 Jun 2014 9:00 pm
Operator : prashans
Sample : JB69534-9
Misc : MS69363,V3C4998,6.4,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 14:24:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

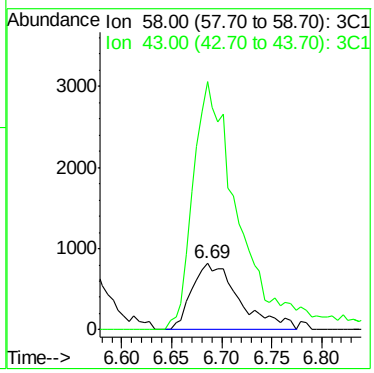


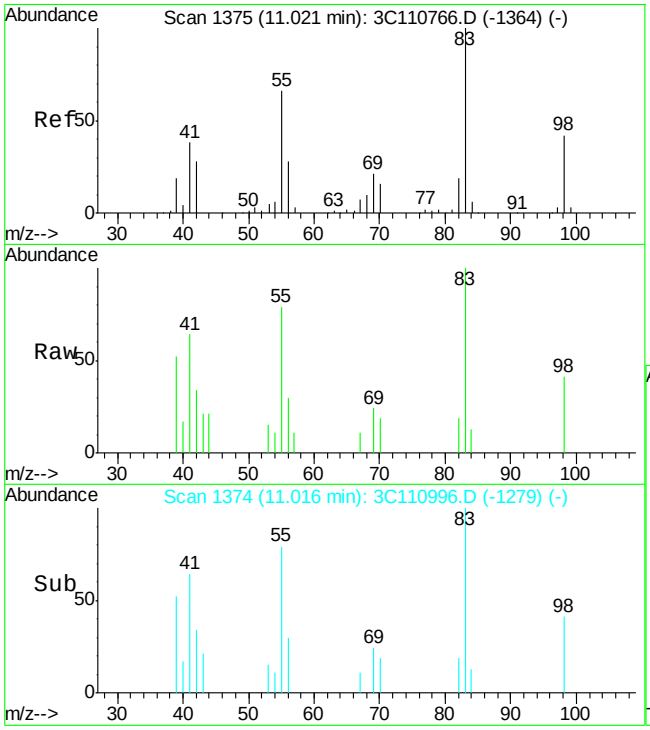


#18
acetone
Concen: 14.75 ug/L
RT: 6.69 min Scan# 546
Delta R.T. 0.00 min
Lab File: 3C110996.D
Acq: 23 Jun 2014 9:00 pm

Tgt Ion: 58 Resp: 2713

Ion	Ratio	Lower	Upper
58	100		
43	369.6	336.0	396.0

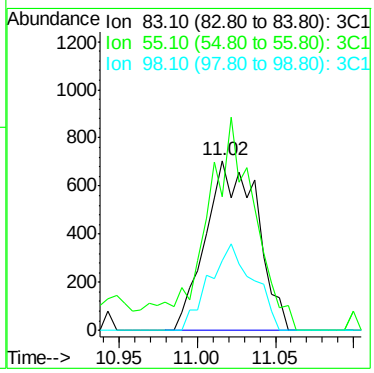


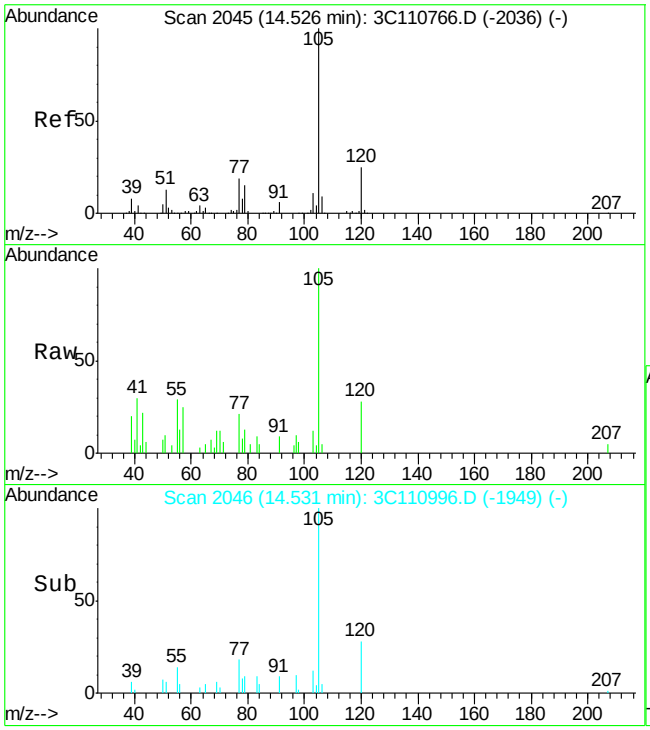


#70
methylcyclohexane
Concen: 0.59 ug/L
RT: 11.02 min Scan# 1374
Delta R.T. -0.01 min
Lab File: 3C110996.D
Acq: 23 Jun 2014 9:00 pm

Tgt Ion: 83 Resp: 1614

Ion	Ratio	Lower	Upper
83	100		
55	78.7	69.4	129.4
98	41.0	12.3	72.3

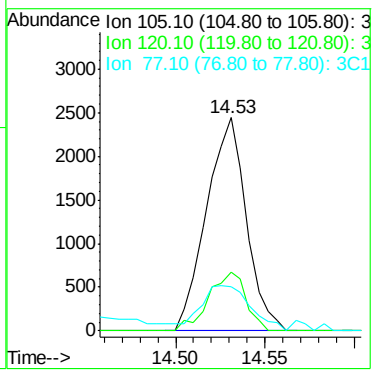




#98
isopropylbenzene
Concen: 0.71 ug/L
RT: 14.53 min Scan# 2046
Delta R.T. 0.01 min
Lab File: 3C110996.D
Acq: 23 Jun 2014 9:00 pm

Tgt Ion:105 Resp: 3784

Ion	Ratio	Lower	Upper
105	100		
120	27.6	0.0	55.3
77	17.6	0.0	48.6



7.1.9

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110997.D
Acq On : 23 Jun 2014 9:28 pm
Operator : prashans
Sample : JB69534-10
Misc : MS69363,V3C4998,4.5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 24 14:25:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

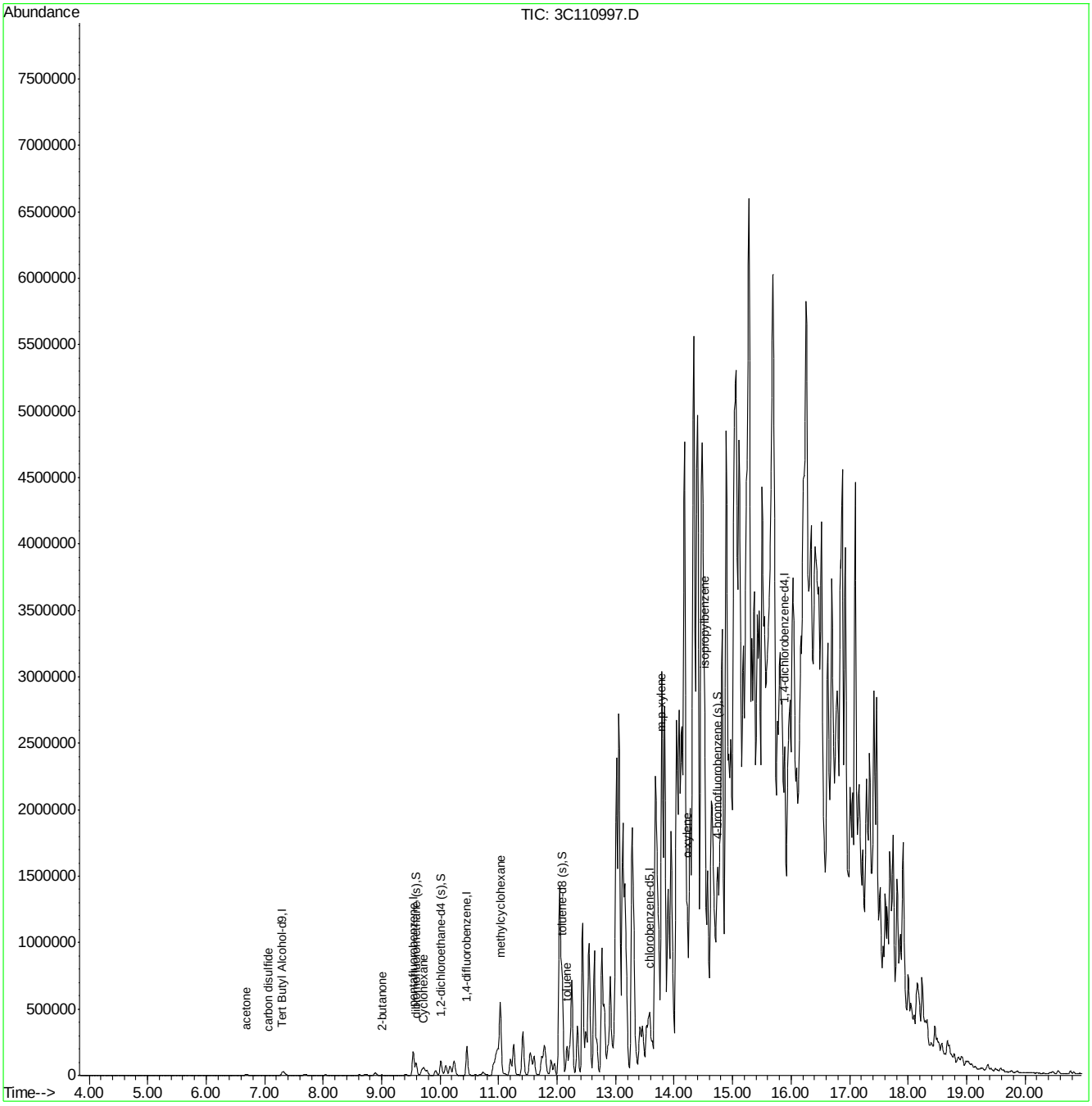
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	50290	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	128109	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	172412	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	109809	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.89	152	40290	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	60806	52.10	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.20%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	86037	50.14	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.28%			
74) toluene-d8 (s)	12.09	98	240080	53.75	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 107.50%			
99) 4-bromofluorobenzene (s)	14.73	95	54635	44.81	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 89.62%			
Target Compounds						Qvalue
18) acetone	6.69	58	4663	28.86	ug/L	98
23) carbon disulfide	7.06	76	1887	0.41	ug/L	92
30) 2-butanone	9.02	72	879	5.75	ug/L #	1
49) Cyclohexane	9.72	84	21977	10.45	ug/L	94
70) methylcyclohexane	11.03	83	240925	99.92	ug/L	99
76) toluene	12.17	91	2406	0.44	ug/L #	49
92) m,p-xylene	13.78	106	940	0.54	ug/L #	55
93) o-xylene	14.23	91	10129	2.56	ug/L #	38
98) isopropylbenzene	14.53	105	168204	42.15	ug/L	94

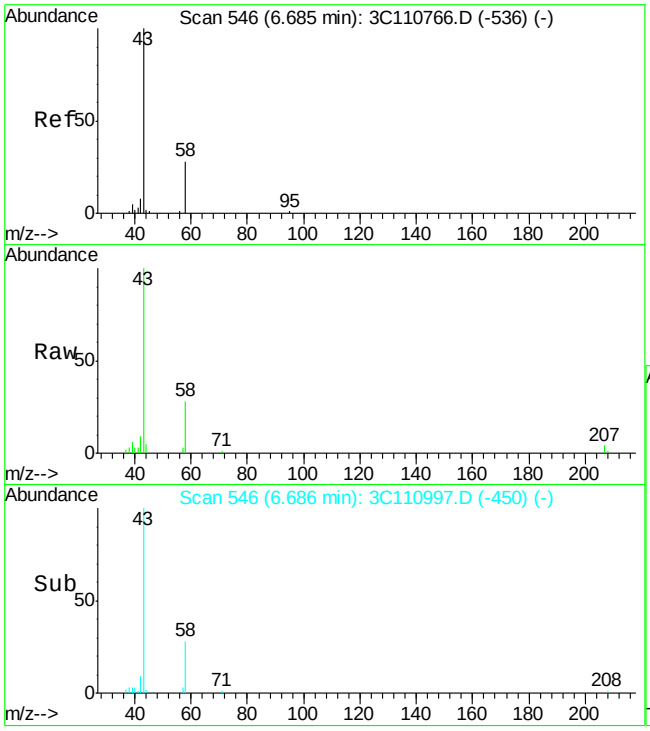
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110997.D
Acq On : 23 Jun 2014 9:28 pm
Operator : prashans
Sample : JB69534-10
Misc : MS69363,V3C4998,4.5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 24 14:25:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

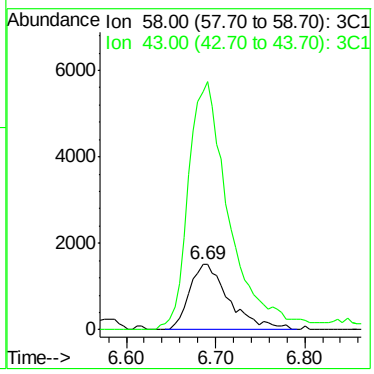


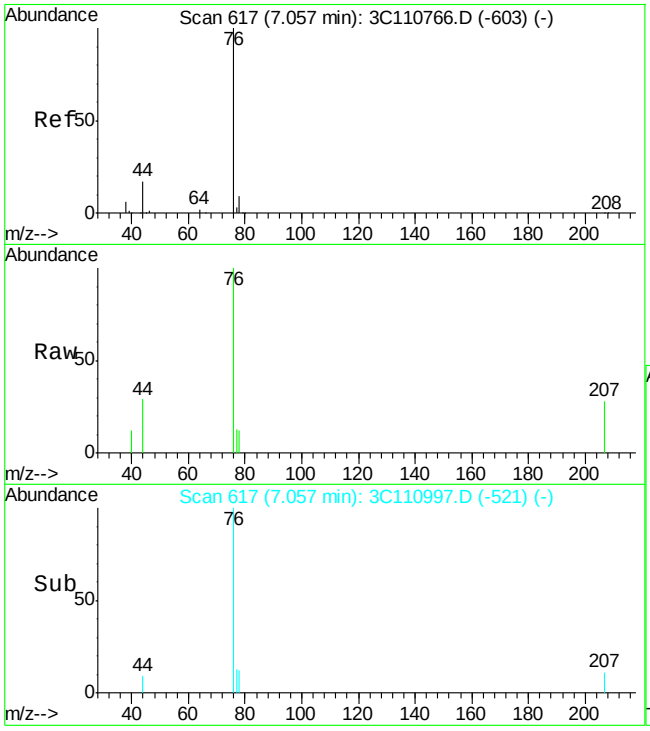


#18
acetone
Concen: 28.86 ug/L
RT: 6.69 min Scan# 546
Delta R.T. 0.00 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion: 58 Resp: 4663

Ion	Ratio	Lower	Upper
58	100		
43	361.9	336.0	396.0

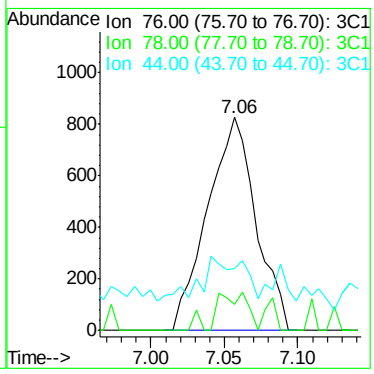


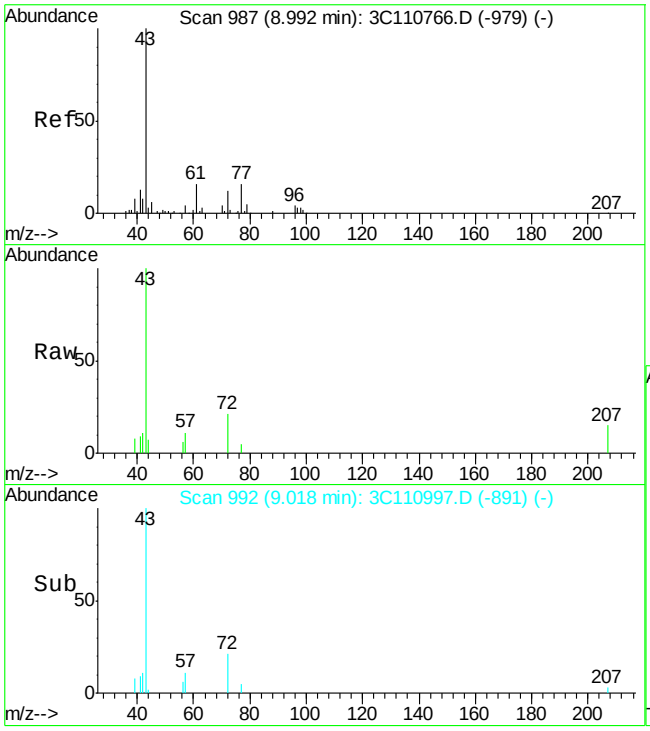


#23
carbon disulfide
Concen: 0.41 ug/L
RT: 7.06 min Scan# 617
Delta R.T. 0.00 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion: 76 Resp: 1887

Ion	Ratio	Lower	Upper
76	100		
78	12.2	0.0	39.2
44	13.5	0.0	46.7

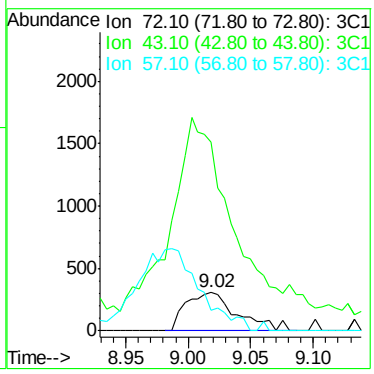


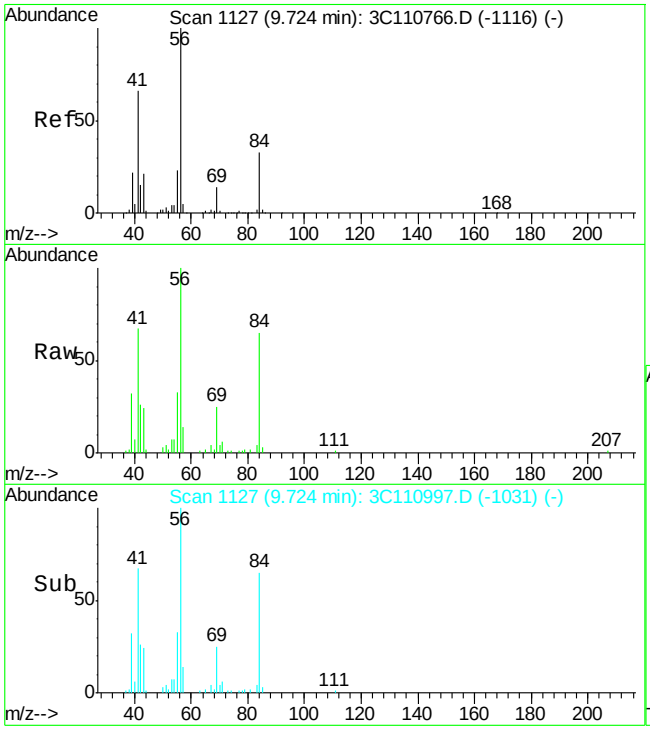


#30
2-butanone
Concen: 5.75 ug/L
RT: 9.02 min Scan# 992
Delta R.T. 0.03 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion: 72 Resp: 879

Ion	Ratio	Lower	Upper
72	100		
43	0.0	916.8	1702.6#
57	0.0	24.4	45.4#

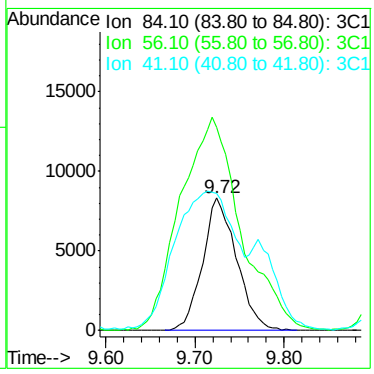


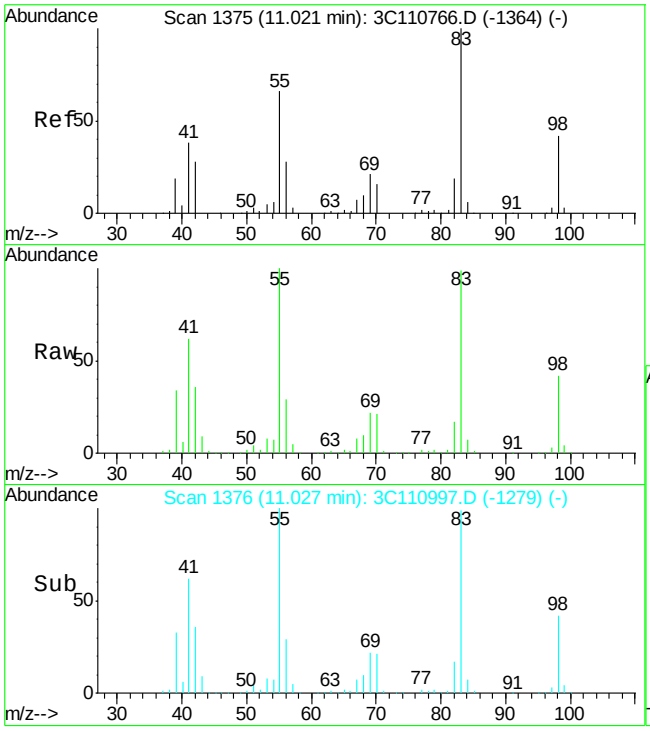


#49
Cyclohexane
Concen: 10.45 ug/L
RT: 9.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion: 84 Resp: 21977

Ion	Ratio	Lower	Upper
84	100		
56	288.3	206.7	383.9
41	181.4	136.6	253.6

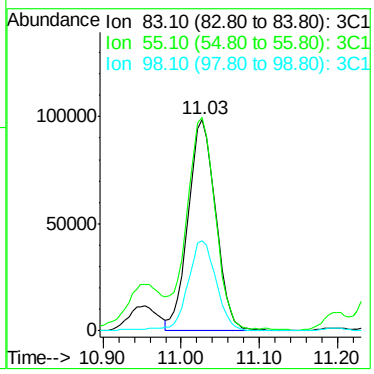


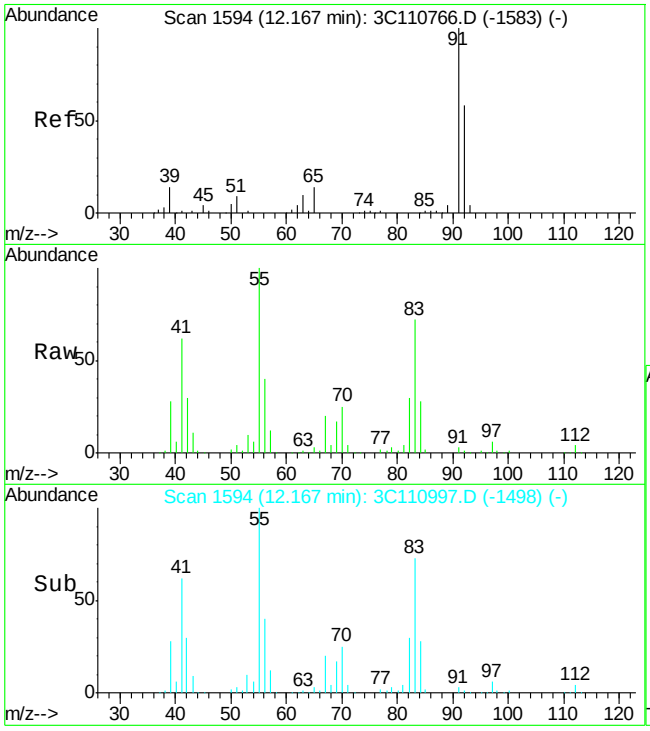


#70
methylcyclohexane
Concen: 99.92 ug/L
RT: 11.03 min Scan# 1376
Delta R.T. 0.01 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion: 83 Resp: 240925

Ion	Ratio	Lower	Upper
83	100		
55	100.6	69.4	129.4
98	42.6	12.3	72.3

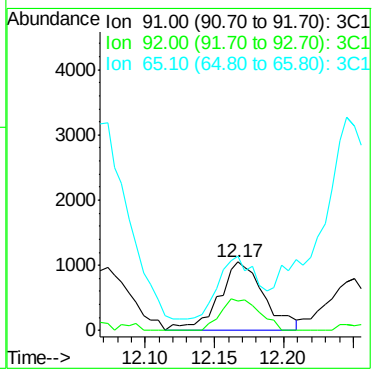


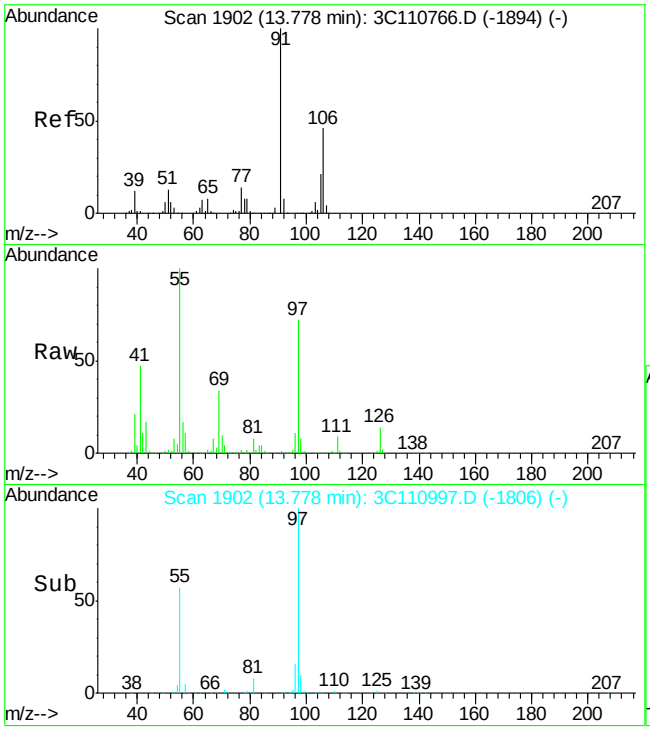


#76
toluene
Concen: 0.44 ug/L
RT: 12.17 min Scan# 1594
Delta R.T. 0.00 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion: 91 Resp: 2406

Ion	Ratio	Lower	Upper
91	100		
92	43.6	28.4	88.4
65	86.7	0.0	44.5#

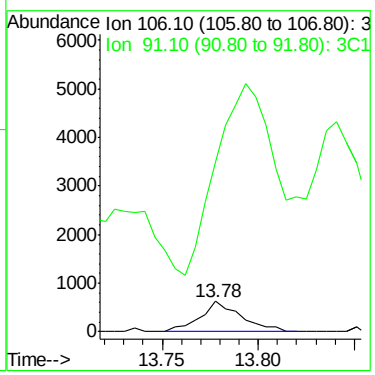


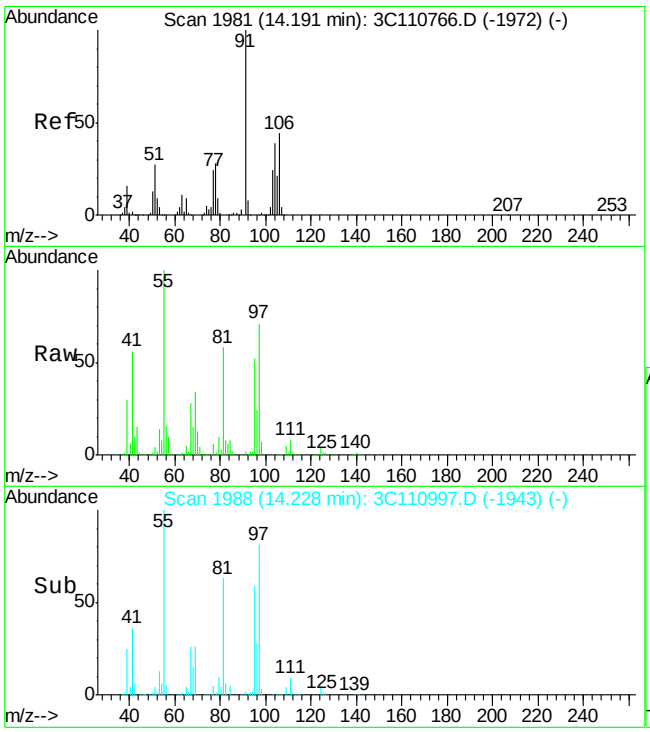


#92
m,p-xylene
Concen: 0.54 ug/L
RT: 13.78 min Scan# 1902
Delta R.T. 0.00 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion:106 Resp: 940

Ion	Ratio	Lower	Upper
106	100		
91	292.3	153.9	285.9#

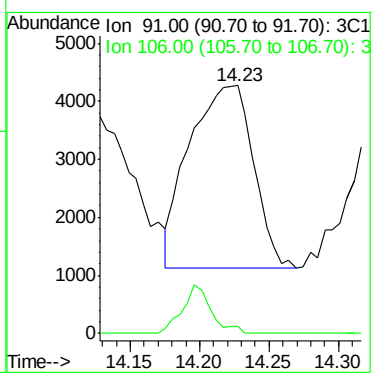


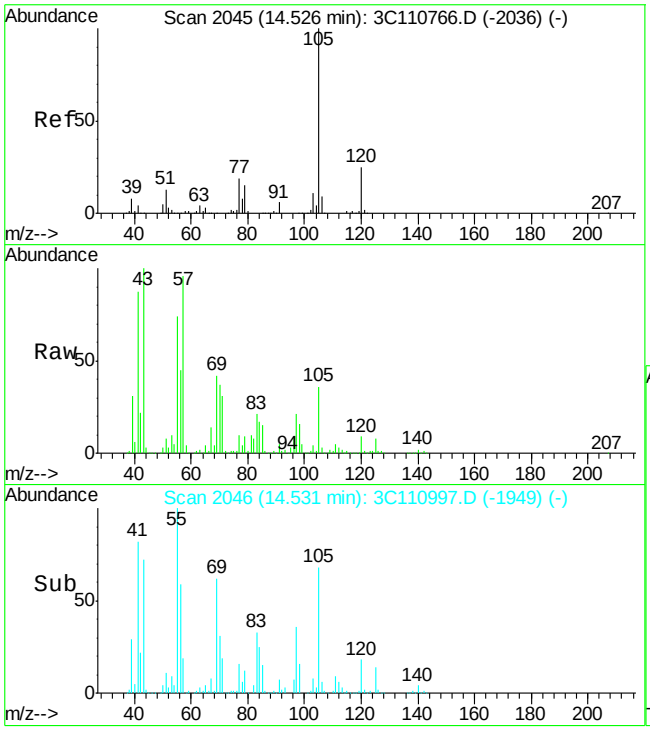


#93
o-xylene
Concen: 2.56 ug/L
RT: 14.23 min Scan# 1988
Delta R.T. 0.04 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion: 91 Resp: 10129

Ion	Ratio	Lower	Upper
91	100		
106	4.0	30.7	57.1#

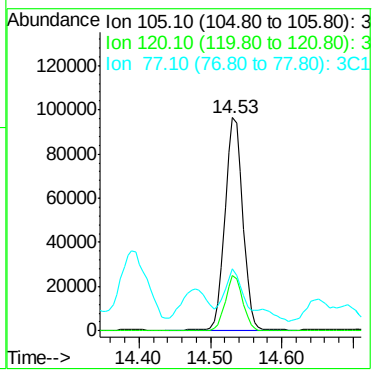




#98
isopropylbenzene
Concen: 42.15 ug/L
RT: 14.53 min Scan# 2046
Delta R.T. 0.01 min
Lab File: 3C110997.D
Acq: 23 Jun 2014 9:28 pm

Tgt Ion:105 Resp: 168204

Ion	Ratio	Lower	Upper
105	100		
120	26.0	0.0	55.3
77	23.6	0.0	48.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110977.D
Acq On : 23 Jun 2014 11:24 am
Operator : prashans
Sample : MB
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 14:14:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	53504	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	128947	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	172321	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	111450	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	42025	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	62954	53.59	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.18%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	88512	51.25	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.50%			
74) toluene-d8 (s)	12.09	98	229072	51.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.62%			
99) 4-bromofluorobenzene (s)	14.73	95	75139	59.08	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 118.16%			

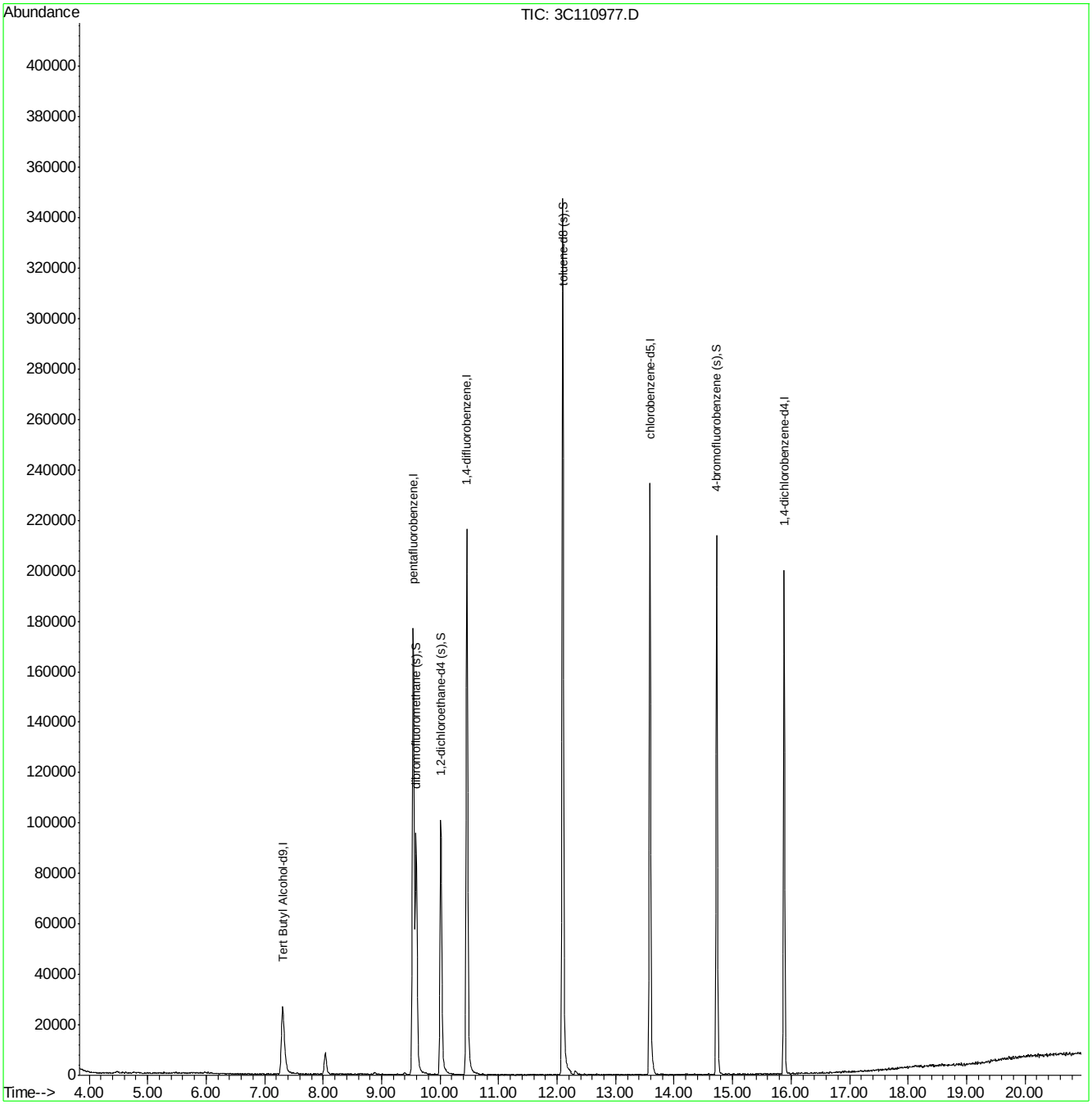
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110977.D
Acq On : 23 Jun 2014 11:24 am
Operator : prashans
Sample : MB
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 14:14:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9250.D
Acq On : 27 Jun 2014 10:03 am
Operator : BenM
Sample : mb
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 14:27:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

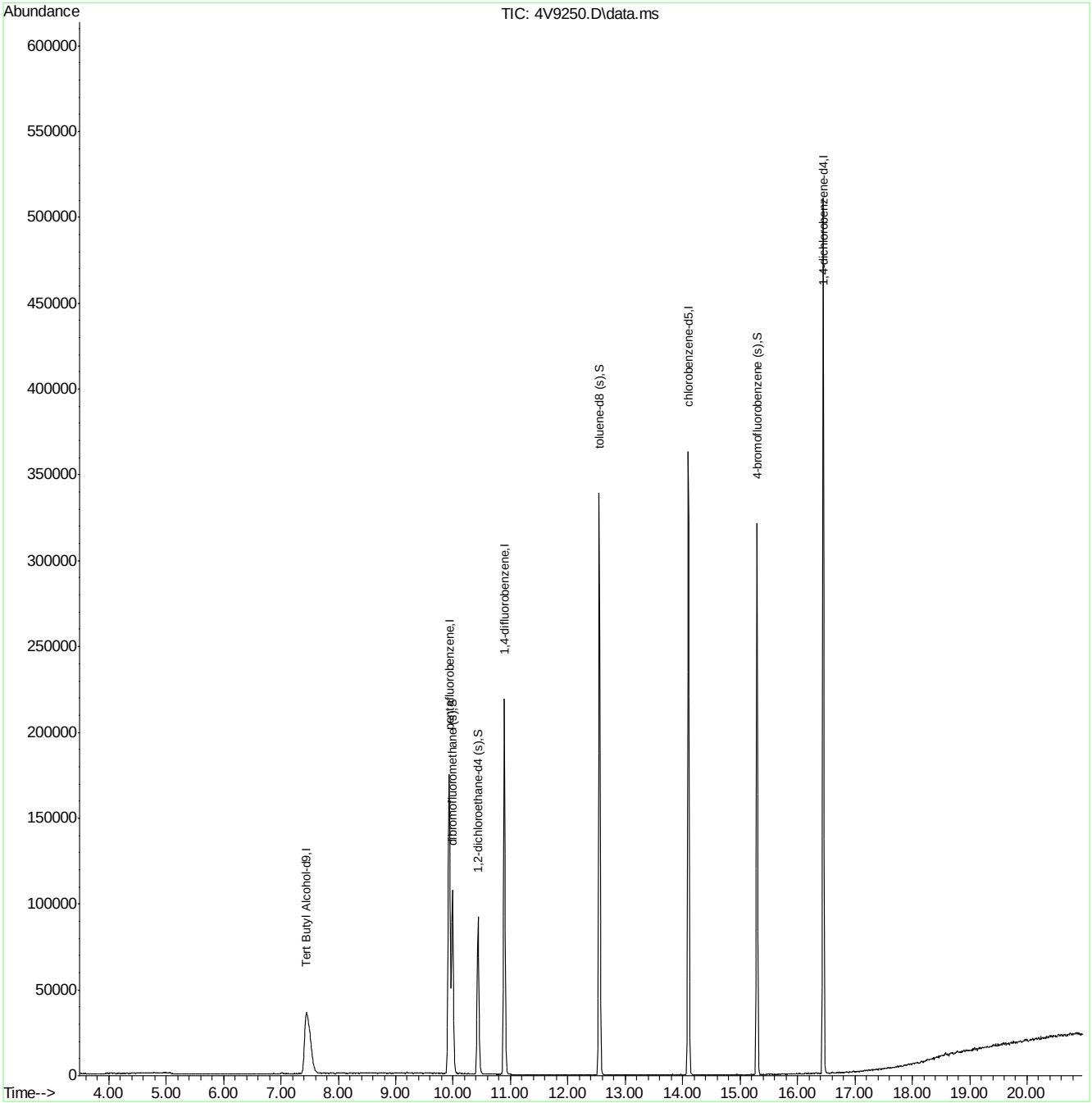
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.445	65	152163	500.00	ug/L	-0.02
4) pentafluorobenzene	9.930	168	158349	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.890	114	208761	50.00	ug/L	-0.01
81) chlorobenzene-d5	14.099	117	204228	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	125550	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.988	113	81444	54.33	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 108.66%			
46) 1,2-dichloroethane-d4 (s)	10.434	65	73480	49.49	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.98%			
73) toluene-d8 (s)	12.547	98	236900	53.43	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.86%			
96) 4-bromofluorobenzene (s)	15.294	95	110774	50.77	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 101.54%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9250.D
Acq On : 27 Jun 2014 10:03 am
Operator : BenM
Sample : mb
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 14:27:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110978.D
Acq On : 23 Jun 2014 11:52 am
Operator : prashans
Sample : BS
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 12:15:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	64135	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	141863	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	190483	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	126094	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	50882	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	70518	54.57	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 109.14%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	96076	50.57	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.14%			
74) toluene-d8 (s)	12.09	98	255588	51.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.58%			
99) 4-bromofluorobenzene (s)	14.73	95	88153	57.25	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 114.50%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	16207	1202.47	ug/L #	97
3) tertiary butyl alcohol	7.42	59	54526	255.83	ug/L	97
6) chlorodifluoromethane	3.98	51	71698	40.24	ug/L	93
7) dichlorodifluoromethane	3.97	85	95096	48.17	ug/L	99
8) chloromethane	4.31	50	104405	42.70	ug/L	95
9) vinyl chloride	4.56	62	85261	42.31	ug/L	97
10) bromomethane	5.20	94	39315	37.78	ug/L	94
11) chloroethane	5.37	64	37534	40.82	ug/L	97
14) trichlorofluoromethane	5.80	101	99297	46.84	ug/L	98
15) ethyl ether	6.22	74	40953	49.48	ug/L	95
16) acrolein	6.47	56	115634	420.04	ug/L	95
17) 1,1-dichloroethene	6.64	61	124707	49.30	ug/L	99
18) acetone	6.69	58	5978	33.41	ug/L	93
19) allyl chloride	7.17	76	39040	47.51	ug/L	94
20) acetonitrile	7.11	40	64841	459.12	ug/L	96
21) iodomethane	6.93	142	100150	50.14	ug/L	97
22) iso-butyl alcohol	9.82	41	29738	505.11	ug/L	96
23) carbon disulfide	7.05	76	237236	45.99	ug/L	98
24) methylene chloride	7.35	84	72478	43.52	ug/L	97
25) methyl acetate	7.15	74	9239	45.99	ug/L	95
26) methyl tert butyl ether	7.68	73	408566	85.83	ug/L	99
27) trans-1,2-dichloroethene	7.73	61	127659	48.94	ug/L	97
28) di-isopropyl ether	8.27	45	301527	46.13	ug/L	95
29) ethyl tert-butyl ether	8.74	59	254640	43.88	ug/L	99
30) 2-butanone	8.99	72	7781	45.94	ug/L	94
31) 1,1-dichloroethane	8.29	63	148349	48.31	ug/L	96
32) chloroprene	8.40	53	121001	46.23	ug/L	97
33) acrylonitrile	7.67	53	121157	238.67	ug/L	97
34) vinyl acetate	8.28	86	11613	51.87	ug/L	69
35) ethyl acetate	9.01	45	9715	46.91	ug/L	51
36) 2,2-dichloropropane	9.03	77	133870	52.06	ug/L	100
37) cis-1,2-dichloroethene	9.02	61	151078	49.78	ug/L	97
38) propionitrile	9.08	54	94927	485.59	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110978.D
Acq On : 23 Jun 2014 11:52 am
Operator : prashans
Sample : BS
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 12:15:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	8011	44.46	ug/L		92
40) bromochloromethane	9.34	128	31187	50.81	ug/L		90
41) tetrahydrofuran	9.37	72	8640	49.62	ug/L		97
42) chloroform	9.39	83	131955	45.46	ug/L		100
43) tert-Butyl Formate	9.42	59	67492	51.01	ug/L		99
46) freon 113	6.62	151	47102	47.53	ug/L		93
47) methacrylonitrile	9.27	41	45618	48.61	ug/L		99
48) 1,1,1-trichloroethane	9.65	97	120527	50.65	ug/L		98
49) Cyclohexane	9.72	84	115367	49.55	ug/L		97
50) Tert Amyl Alcohol	9.95	73	45080	519.21	ug/L	#	89
51) 2,2,4-trimethylpentane	10.09	57	313013	42.75	ug/L		98
52) tert-amyl methyl ether	10.12	73	216518	42.21	ug/L		99
54) epichlorohydrin	11.71	57	31712	237.66	ug/L		95
55) n-butyl alcohol	10.58	56	113841	2398.97	ug/L		97
56) carbon tetrachloride	9.85	117	103455	52.47	ug/L		98
57) 1,1-dichloropropene	9.82	75	106154	49.11	ug/L		99
58) hexane	8.03	57	125204	51.32	ug/L		98
59) benzene	10.09	78	291323	45.88	ug/L		99
60) heptane	10.26	57	68568	45.84	ug/L		99
61) isopropyl acetate	10.01	87	13556	50.64	ug/L		99
62) 1,2-dichloroethane	10.10	62	108923	51.57	ug/L		99
63) trichloroethene	10.80	95	72049	49.37	ug/L		98
64) ethyl acrylate	10.80	55	87744	53.07	ug/L		99
65) Tert-Amyl ethyl ether	10.96	87	213106	101.14	ug/L		99
66) 2-nitropropane	11.57	41	29457	52.59	ug/L		98
67) 2-chloroethyl vinyl ether	11.59	63	149768	263.29	ug/L		99
68) methyl methacrylate	11.06	100	14168	51.11	ug/L	#	94
69) 1,2-dichloropropane	11.06	63	79311	46.95	ug/L		95
70) methylcyclohexane	11.02	83	122849	46.12	ug/L		98
71) dibromomethane	11.23	93	38687	52.05	ug/L		94
72) bromodichloromethane	11.35	83	96181	50.76	ug/L		100
73) cis-1,3-dichloropropene	11.81	75	114706	49.83	ug/L		94
75) 4-methyl-2-pentanone	11.89	58	24928	48.35	ug/L		95
76) toluene	12.17	91	263896	43.68	ug/L		100
77) 3-methyl-1-butanol	11.92	70	36660	938.77	ug/L		98
78) trans-1,3-dichloropropene	12.36	75	99859	48.26	ug/L		94
79) ethyl methacrylate	12.35	69	77654	49.07	ug/L		97
80) 1,1,2-trichloroethane	12.57	97	44394	46.07	ug/L		98
81) 2-hexanone	12.74	58	20181	44.10	ug/L		92
83) tetrachloroethene	12.75	166	55111	47.55	ug/L		96
84) 1,3-dichloropropane	12.75	76	85959	51.27	ug/L		98
85) butyl acetate	12.82	56	39432	53.99	ug/L		97
86) dibromochloromethane	13.01	129	51582	53.39	ug/L		99
87) 1,2-dibromoethane	13.17	107	42084	51.80	ug/L		99
88) 3,3-Dimethyl-1-Butanol	12.90	57	63085	468.63	ug/L		99
89) chlorobenzene	13.62	112	140414	46.71	ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	53222	50.89	ug/L		96
91) ethylbenzene	13.67	91	265214	46.22	ug/L		99
92) m,p-xylene	13.78	106	186797	93.66	ug/L		99
93) o-xylene	14.19	91	217523	47.94	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110978.D
Acq On : 23 Jun 2014 11:52 am
Operator : prashans
Sample : BS
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 12:15:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

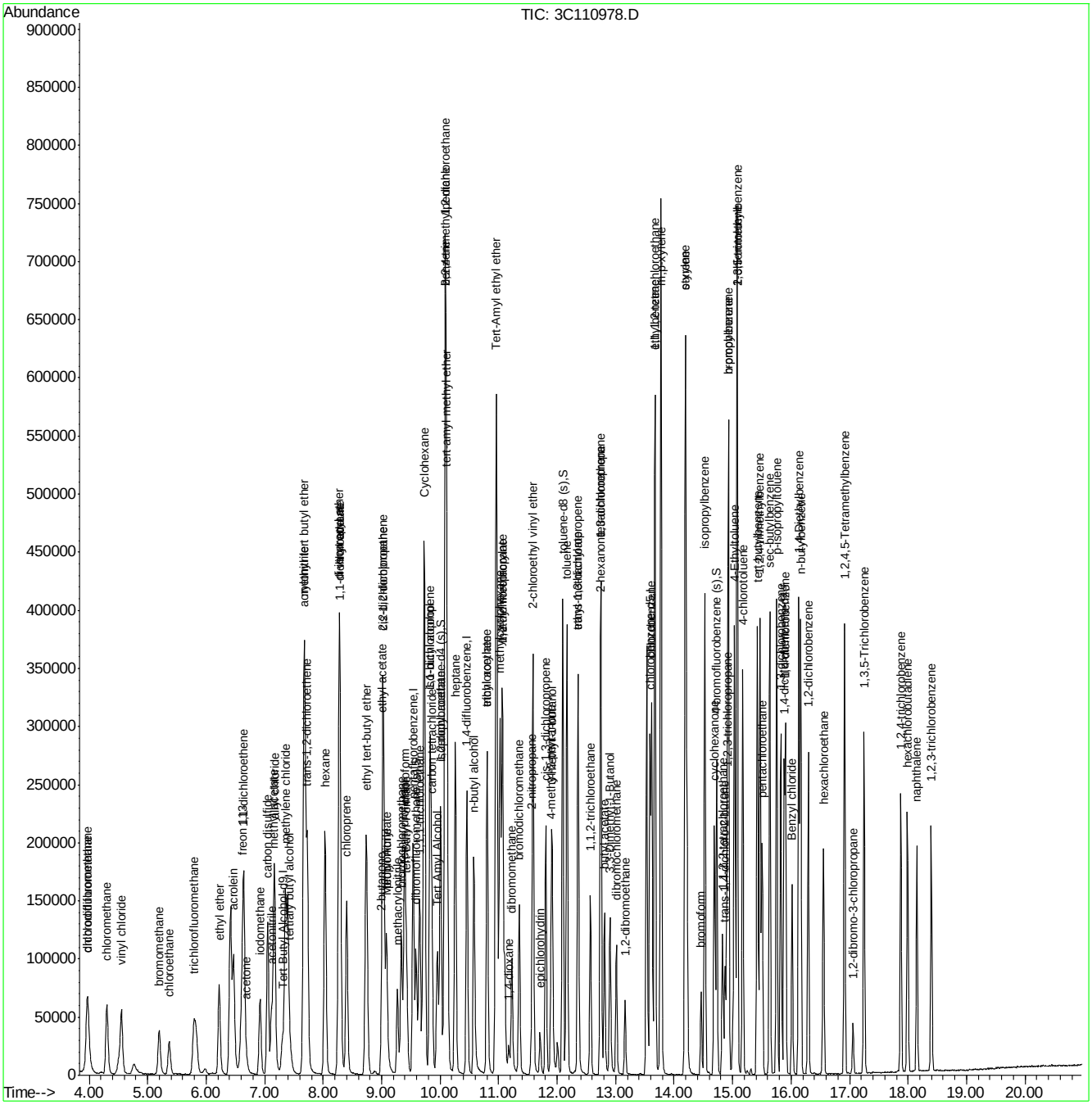
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	144578	50.75	ug/L	98
96) bromoform	14.46	173	29622	51.65	ug/L	97
98) isopropylbenzene	14.53	105	244148	48.45	ug/L	99
100) bromobenzene	14.92	156	51679	48.98	ug/L	94
101) cyclohexanone	14.69	55	83274	364.57	ug/L	94
102) 1,1,2,2-tetrachloroethane	14.83	83	55769	50.64	ug/L	95
103) trans-1,4-dichloro-2-buten	14.87	53	20339	59.14	ug/L	86
104) 1,2,3-trichloropropane	14.90	110	13744	50.77	ug/L	89
105) n-propylbenzene	14.93	91	278560	49.66	ug/L	98
106) 4-Ethyltoluene	15.03	105	228095	50.67	ug/L	99
107) 2-chlorotoluene	15.08	126	52688	48.34	ug/L	95
108) 4-chlorotoluene	15.17	126	54089	48.91	ug/L	92
109) 1,3,5-trimethylbenzene	15.08	105	209141	50.12	ug/L	99
110) tert-butylbenzene	15.43	119	167280	49.14	ug/L	97
111) pentachloroethane	15.51	167	34800	55.20	ug/L	93
112) 1,2,4-trimethylbenzene	15.47	105	198241	48.63	ug/L	99
113) sec-butylbenzene	15.63	105	252095	49.27	ug/L	99
114) 1,3-dichlorobenzene	15.82	146	97540	46.89	ug/L	99
115) p-isopropyltoluene	15.75	119	201871	49.59	ug/L	96
116) 1,4-dichlorobenzene	15.91	146	95366	45.65	ug/L	98
117) 1,2-dichlorobenzene	16.29	146	89943	46.47	ug/L	97
118) 1,4-Diethylbenzene	16.13	119	119399	53.03	ug/L	98
119) n-butylbenzene	16.16	92	111702	52.01	ug/L	100
120) 1,2,4,5-Tetramethylbenzene	16.92	119	188939	53.76	ug/L	100
121) 1,2-dibromo-3-chloropropan	17.06	157	8636	51.14	ug/L	98
122) 1,3,5-Trichlorobenzene	17.25	180	79149	52.53	ug/L	100
123) 1,2,4-trichlorobenzene	17.88	180	63832	56.35	ug/L	95
124) hexachlorobutadiene	17.99	225	47402	52.30	ug/L	93
125) naphthalene	18.15	128	125445	52.57	ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	57499	54.29	ug/L	98
127) hexachloroethane	16.55	119	38068	51.24	ug/L	98
128) Benzyl chloride	16.02	91	102064	54.11	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110978.D
Acq On : 23 Jun 2014 11:52 am
Operator : prashans
Sample : BS
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 12:15:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9251.D
Acq On : 27 Jun 2014 10:30 am
Operator : BenM
Sample : bs
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 14:27:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.461	65	142635	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	163039	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	236691	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	258532	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	145871	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.993	113	79437	51.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.92%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	77833	50.92	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.84%			
73) toluene-d8 (s)	12.552	98	295561	58.79	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 117.58%			
96) 4-bromofluorobenzene (s)	15.294	95	138029	54.45	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 108.90%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.655	88	30273	1357.47	ug/L #	97
3) tertiary butyl alcohol	7.603	59	72131	254.44	ug/L	95
6) chlorodifluoromethane	3.644	51	85996	36.42	ug/L	97
7) dichlorodifluoromethane	3.623	85	95356	36.64	ug/L	100
9) chloromethane	3.974	50	111836	43.62	ug/L	99
10) vinyl chloride	4.242	62	124725	46.26	ug/L	99
11) bromomethane	4.939	94	79853	46.16	ug/L	100
12) chloroethane	5.138	64	62067	63.41	ug/L	98
13) trichlorofluoromethane	5.652	101	145910	52.64	ug/L	97
14) ethyl ether	6.108	74	38518	57.06	ug/L	95
16) 2-chloropropane	6.339	43	137657	53.01	ug/L	99
17) acrolein	6.444	56	183883	509.61	ug/L	100
18) 1,1-dichloroethene	6.580	61	142101	56.57	ug/L	99
19) acetone	6.711	58	7718	55.00	ug/L	93
20) allyl chloride	7.215	76	44893	65.25	ug/L	91
21) acetonitrile	7.251	40	80015	554.16	ug/L	94
22) iodomethane	6.910	142	186666	57.42	ug/L	99
23) iso-butyl alcohol	10.297	41	36021	545.20	ug/L	99
24) carbon disulfide	7.015	76	369699	55.12	ug/L	100
25) methylene chloride	7.450	84	102271	54.81	ug/L	99
26) 1-chloropropane	7.461	41	34042	47.06	ug/L	98
27) methyl acetate	7.220	74	11764	47.62	ug/L	94
28) methyl tert butyl ether	7.802	73	543593	107.88	ug/L	98
29) trans-1,2-dichloroethene	7.854	61	117707	53.09	ug/L	99
30) di-isopropyl ether	8.483	45	248120	50.96	ug/L	98
31) ethyl tert-butyl ether	9.008	59	268963	55.29	ug/L	98
32) 2-butanone	9.343	72	10235	57.15	ug/L	94
33) 1,1-dichloroethane	8.525	63	145960	53.44	ug/L	99
34) chloroprene	8.625	53	84242	45.44	ug/L	99
35) acrylonitrile	7.875	53	155970	263.28	ug/L	99
36) vinyl acetate	8.531	86	11924	58.32	ug/L	79
37) ethyl acetate	9.364	45	12447	51.96	ug/L	58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9251.D
Acq On : 27 Jun 2014 10:30 am
Operator : BenM
Sample : bs
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 14:27:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	143705	58.47	ug/L		99
39) cis-1,2-dichloroethene	9.354	61	145047	51.80	ug/L		98
40) propionitrile	9.490	54	127169	513.94	ug/L		94
41) methyl acrylate	9.443	55	93304	52.53	ug/L	#	98
42) bromochloromethane	9.700	128	43999	51.56	ug/L		99
43) tetrahydrofuran	9.726	42	29499	48.28	ug/L		99
44) chloroform	9.768	83	141383	50.91	ug/L		98
47) freon 113	6.549	151	70002	54.71	ug/L		95
48) methacrylonitrile	9.668	41	105305	50.72	ug/L		95
49) 1,1,1-trichloroethane	10.004	97	142561	56.52	ug/L		99
50) tert-amyl methyl ether	10.512	73	267874	54.58	ug/L		100
52) epichlorohydrin	12.216	57	52699	307.93	ug/L		100
53) n-butyl alcohol	11.089	56	172655	3055.58	ug/L		97
54) cyclohexane	10.046	84	128295	47.58	ug/L	#	100
55) carbon tetrachloride	10.203	117	129618	50.78	ug/L		97
56) 1,1-dichloropropene	10.193	75	95359	43.77	ug/L		99
57) hexane	8.164	57	74325	40.87	ug/L		99
58) benzene	10.481	78	304663	46.96	ug/L		99
59) isooctane	10.444	57	276766	44.11	ug/L		95
60) heptane	10.633	57	46930	47.07	ug/L		98
61) isopropyl acetate	10.439	43	290804	68.96	ug/L		91
62) 1,2-dichloroethane	10.533	62	94963	48.71	ug/L		99
63) trichloroethene	11.231	95	82549	50.53	ug/L		97
65) 2-nitropropane	12.075	43	166184	43.78	ug/L		96
66) 2-chloroethyl vinyl ether	12.075	63	237226	236.68	ug/L		100
67) methyl methacrylate	11.535	69	61573	58.52	ug/L		91
68) 1,2-dichloropropane	11.519	63	84484	54.61	ug/L		98
69) methylcyclohexane	11.414	83	122329	44.61	ug/L		96
70) dibromomethane	11.692	93	60387	54.85	ug/L		98
71) bromodichloromethane	11.828	83	115652	53.13	ug/L		98
72) cis-1,3-dichloropropene	12.285	75	140732	55.82	ug/L		98
74) 4-methyl-2-pentanone	12.389	58	38970	55.78	ug/L		98
75) toluene	12.625	92	195550	56.18	ug/L		97
76) 3-methyl-1-butanol	12.431	70	62923	1237.17	ug/L		98
77) trans-1,3-dichloropropene	12.861	75	129390	57.45	ug/L		97
78) ethyl methacrylate	12.840	69	112044	56.30	ug/L		97
79) 1,1,2-trichloroethane	13.082	83	75250	60.98	ug/L		99
80) 2-hexanone	13.249	58	39287	60.22	ug/L		93
82) tetrachloroethene	13.202	166	87565	47.80	ug/L		99
83) 1,3-dichloropropane	13.260	76	129869	46.99	ug/L		99
84) butyl acetate	13.312	56	63166	46.39	ug/L		100
85) dibromochloromethane	13.527	129	107744	48.25	ug/L		99
86) 1,2-dibromoethane	13.674	107	98590	48.97	ug/L		96
87) chlorobenzene	14.130	112	246351	48.73	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.198	131	88284	41.35	ug/L		98
89) ethylbenzene	14.177	91	408508	45.93	ug/L		100
90) m,p-xylene	14.293	106	307594	92.33	ug/L		99
91) o-xylene	14.723	106	158689	45.99	ug/L		99
92) styrene	14.744	104	270434	46.70	ug/L		99
93) bromoform	15.037	173	82555	46.91	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9251.D
Acq On : 27 Jun 2014 10:30 am
Operator : BenM
Sample : bs
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 14:27:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

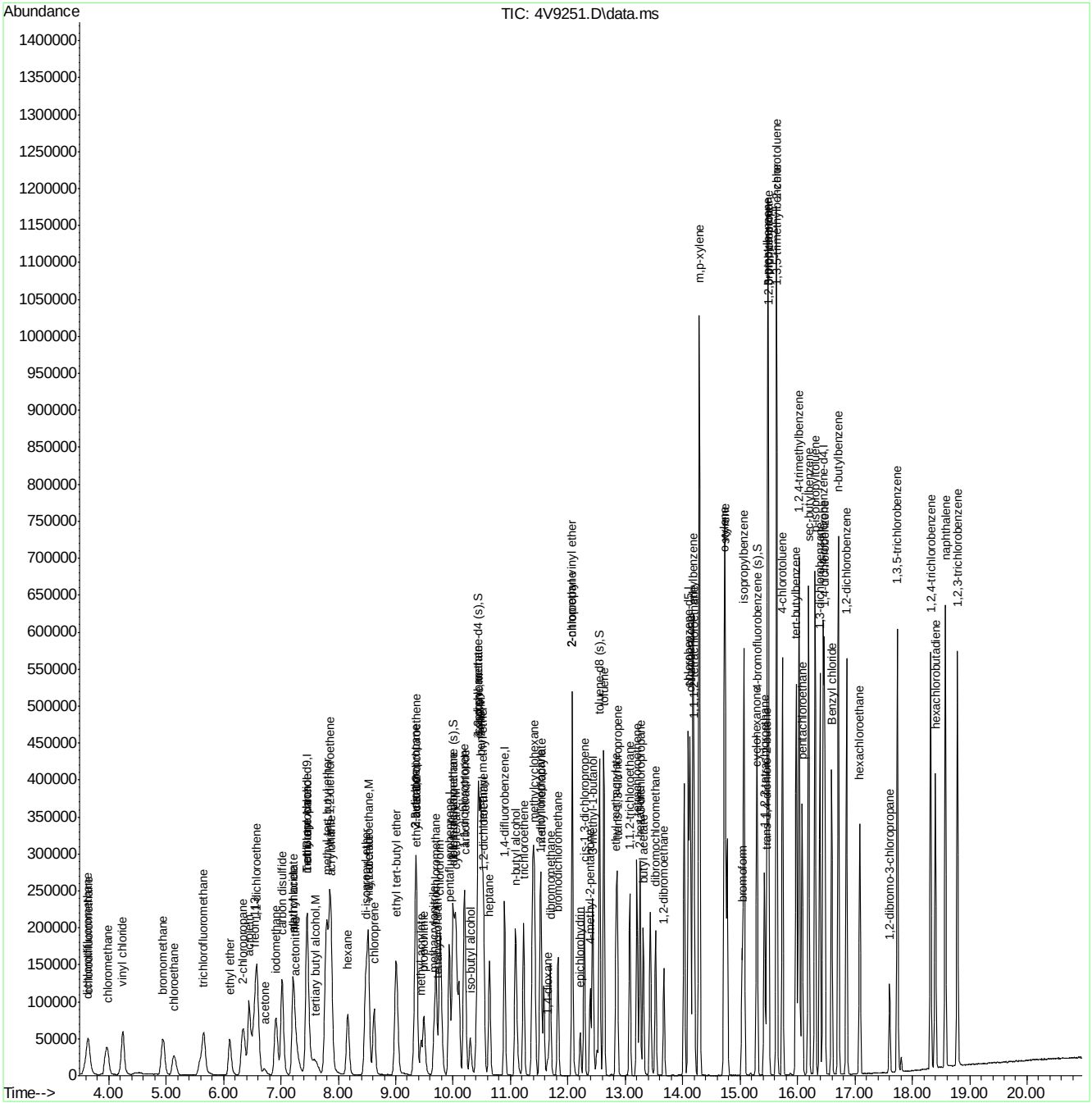
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	411130	46.45	ug/L	99
97) bromobenzene	15.488	156	116830	51.52	ug/L	98
98) cyclohexanone	15.284	55	44341	124.49	ug/L	92
99) 1,1,2,2-tetrachloroethane	15.425	83	148634	46.12	ug/L	100
100) trans-1,4-dichloro-2-b...	15.462	53	30083	41.05	ug/L	94
101) 1,2,3-trichloropropane	15.493	110	32187	51.15	ug/L	97
102) n-propylbenzene	15.483	91	533511	50.51	ug/L	99
103) 2-chlorotoluene	15.640	126	106962	50.83	ug/L	93
104) 4-chlorotoluene	15.740	91	321454	48.95	ug/L	99
105) 1,3,5-trimethylbenzene	15.635	105	371546	49.00	ug/L	99
106) tert-butylbenzene	15.981	119	279904	46.00	ug/L	99
107) pentachloroethane	16.081	167	74118	49.28	ug/L	99
108) 1,2,4-trimethylbenzene	16.028	105	393078	51.08	ug/L	98
109) sec-butylbenzene	16.191	105	488823	46.14	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	219230	47.59	ug/L	99
111) p-isopropyltoluene	16.311	119	410402	48.25	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	220536	46.83	ug/L	100
114) 1,2-dichlorobenzene	16.857	146	225507	47.08	ug/L	98
115) n-butylbenzene	16.710	92	224911	47.59	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	29148	41.83	ug/L	95
117) 1,3,5-trichlorobenzene	17.743	180	180807	44.29	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	168047	43.97	ug/L	100
119) hexachlorobutadiene	18.403	225	80476	46.30	ug/L	98
120) naphthalene	18.576	128	466723	42.75	ug/L	100
121) 1,2,3-trichlorobenzene	18.786	180	164667	44.95	ug/L	99
122) hexachloroethane	17.082	119	78538	43.13	ug/L	99
123) Benzyl chloride	16.594	91	298538	50.85	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9251.D
Acq On : 27 Jun 2014 10:30 am
Operator : BenM
Sample : bs
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 14:27:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110979.D
Acq On : 23 Jun 2014 12:35 pm
Operator : prashans
Sample : JB69534-1MS
Misc : MS69363,V3C4998,5.8,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 14:16:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	54105	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	149881	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.45	114	204127	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	130135	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	51686	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	73116	53.55	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.10%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	95799	47.72	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 95.44%			
74) toluene-d8 (s)	12.09	98	268786	50.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.66%			
99) 4-bromofluorobenzene (s)	14.73	95	91073	58.23	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.46%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	12176	1070.86	ug/L #	98
3) tertiary butyl alcohol	7.42	59	44730	248.78	ug/L	92
6) chlorodifluoromethane	3.98	51	112134	59.57	ug/L	97
7) dichlorodifluoromethane	3.98	85	127229	61.00	ug/L	98
8) chloromethane	4.31	50	135040	52.27	ug/L	99
9) vinyl chloride	4.56	62	113807	53.46	ug/L	97
10) bromomethane	5.20	94	51365	46.72	ug/L	96
11) chloroethane	5.37	64	49739	51.20	ug/L	95
14) trichlorofluoromethane	5.80	101	130363	58.20	ug/L	99
15) ethyl ether	6.23	74	42272	48.35	ug/L	97
16) acrolein	6.47	56	100631	345.99	ug/L	96
17) 1,1-dichloroethene	6.64	61	154621	57.86	ug/L	99
18) acetone	6.68	58	12648	66.91	ug/L	99
19) allyl chloride	7.17	76	45945	52.93	ug/L	94
20) acetonitrile	7.11	40	35782	239.81	ug/L	97
21) iodomethane	6.92	142	118526	56.16	ug/L	99
22) iso-butyl alcohol	9.82	41	23708	381.15	ug/L	94
23) carbon disulfide	7.05	76	289063	53.04	ug/L	98
24) methylene chloride	7.36	84	80977	46.02	ug/L	98
25) methyl acetate	7.15	74	8405	39.60	ug/L	99
26) methyl tert butyl ether	7.68	73	216168	42.98	ug/L	99
27) trans-1,2-dichloroethene	7.73	61	154670	56.13	ug/L	99
28) di-isopropyl ether	8.27	45	330964	47.92	ug/L	93
29) ethyl tert-butyl ether	8.73	59	275557	44.95	ug/L	100
30) 2-butanone	8.99	72	10023	56.02	ug/L	58
31) 1,1-dichloroethane	8.29	63	176930	54.54	ug/L	99
32) chloroprene	8.40	53	160224	57.94	ug/L	98
33) acrylonitrile	7.67	53	105441	196.60	ug/L	98
34) vinyl acetate	8.28	86	9586	40.53	ug/L	71
35) ethyl acetate	9.01	45	8960	40.95	ug/L	61
36) 2,2-dichloropropane	9.03	77	168017	61.84	ug/L	97
37) cis-1,2-dichloroethene	9.02	61	175636	54.78	ug/L	96
38) propionitrile	9.08	54	83093	402.32	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110979.D
Acq On : 23 Jun 2014 12:35 pm
Operator : prashans
Sample : JB69534-1MS
Misc : MS69363,V3C4998,5.8,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 14:16:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
39) Methyl Acrylate	9.09	85	7777	41.18 ug/L		93
40) bromochloromethane	9.33	128	33311	51.37 ug/L		92
41) tetrahydrofuran	9.38	72	8181	44.47 ug/L		89
42) chloroform	9.39	83	153990	50.22 ug/L		98
43) tert-Butyl Formate	9.42	59	59338	42.44 ug/L	#	87
46) freon 113	6.62	151	56415	53.88 ug/L		90
47) methacrylonitrile	9.26	41	41877	42.24 ug/L		97
48) 1,1,1-trichloroethane	9.65	97	147423	58.64 ug/L		96
49) Cyclohexane	9.72	84	138853	56.45 ug/L		98
50) Tert Amyl Alcohol	9.95	73	21393	233.21 ug/L		99
51) 2,2,4-trimethylpentane	10.09	57	360117	46.55 ug/L		99
52) tert-amyl methyl ether	10.12	73	219608	40.52 ug/L		100
54) epichlorohydrin	11.71	57	27940	195.39 ug/L		97
55) n-butyl alcohol	10.57	56	89172	1809.05 ug/L		96
56) carbon tetrachloride	9.85	117	125954	59.61 ug/L		99
57) 1,1-dichloropropene	9.82	75	130168	56.20 ug/L		99
58) hexane	8.03	57	139246	53.26 ug/L		98
59) benzene	10.09	78	343302	50.45 ug/L		100
60) heptane	10.25	57	74328	46.37 ug/L		99
61) isopropyl acetate	10.00	87	12276	42.80 ug/L	#	92
62) 1,2-dichloroethane	10.10	62	113259	50.04 ug/L		98
63) trichloroethene	10.80	95	87985	56.26 ug/L		98
64) ethyl acrylate	10.80	55	79666	44.96 ug/L		95
65) Tert-Amyl ethyl ether	10.96	87	105156	46.57 ug/L		98
66) 2-nitropropane	11.56	41	26856	44.74 ug/L		100
67) 2-chloroethyl vinyl ether	11.58	63	134623	220.84 ug/L		100
68) methyl methacrylate	11.06	100	13387	45.07 ug/L	#	65
69) 1,2-dichloropropane	11.06	63	89855	49.64 ug/L		96
70) methylcyclohexane	11.02	83	149983	52.54 ug/L		99
71) dibromomethane	11.22	93	37758	47.41 ug/L		96
72) bromodichloromethane	11.35	83	106467	52.44 ug/L		99
73) cis-1,3-dichloropropene	11.80	75	125046	50.69 ug/L		93
75) 4-methyl-2-pentanone	11.89	58	22895	41.44 ug/L		97
76) toluene	12.17	91	310473	47.96 ug/L		99
77) 3-methyl-1-butanol	11.91	70	29796	733.12 ug/L		97
78) trans-1,3-dichloropropene	12.36	75	105303	47.49 ug/L		89
79) ethyl methacrylate	12.35	69	75030	44.24 ug/L		96
80) 1,1,2-trichloroethane	12.57	97	46824	45.35 ug/L		99
81) 2-hexanone	12.74	58	22821	46.54 ug/L		95
83) tetrachloroethene	12.75	166	69777	58.33 ug/L		98
84) 1,3-dichloropropane	12.75	76	87721	50.70 ug/L		97
85) butyl acetate	12.81	56	35091	46.55 ug/L		99
86) dibromochloromethane	13.01	129	52532	52.68 ug/L		100
87) 1,2-dibromoethane	13.16	107	41085	49.00 ug/L		99
88) 3,3-Dimethyl-1-Butanol	12.90	57	49825	368.19 ug/L		93
89) chlorobenzene	13.62	112	157261	50.69 ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	59686	55.30 ug/L		99
91) ethylbenzene	13.67	91	307050	51.85 ug/L		98
92) m,p-xylene	13.78	106	216838	105.34 ug/L		97
93) o-xylene	14.19	91	248040	52.97 ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110979.D
Acq On : 23 Jun 2014 12:35 pm
Operator : prashans
Sample : JB69534-1MS
Misc : MS69363,V3C4998,5.8,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 14:16:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

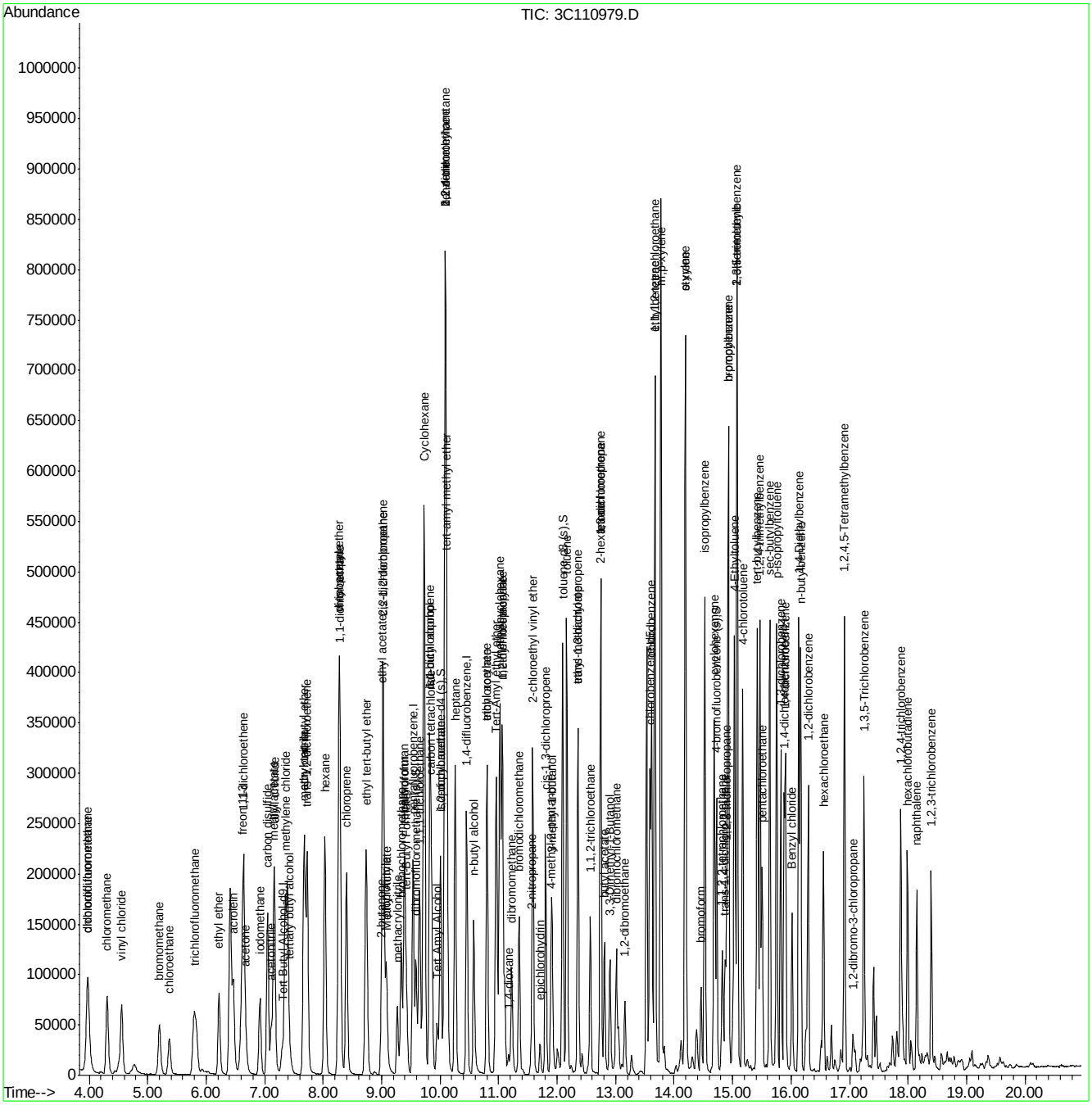
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
94) styrene	14.20	104	159704	54.32 ug/L	95
96) bromoform	14.46	173	28759	48.59 ug/L	99
98) isopropylbenzene	14.53	105	281808	55.05 ug/L	99
100) bromobenzene	14.92	156	55043	51.36 ug/L	97
101) cyclohexanone	14.69	55	140077	603.72 ug/L	96
102) 1,1,2,2-tetrachloroethane	14.83	83	52763	47.16 ug/L	100
103) trans-1,4-dichloro-2-buten	14.87	53	20446	58.53 ug/L	91
104) 1,2,3-trichloropropane	14.90	110	12990	47.24 ug/L	88
105) n-propylbenzene	14.93	91	315217	55.32 ug/L	99
106) 4-Ethyltoluene	15.03	105	255534	55.88 ug/L	100
107) 2-chlorotoluene	15.07	126	58972	53.27 ug/L	91
108) 4-chlorotoluene	15.17	126	59584	53.04 ug/L	97
109) 1,3,5-trimethylbenzene	15.08	105	232455	54.84 ug/L	98
110) tert-butylbenzene	15.43	119	192567	55.69 ug/L	96
111) pentachloroethane	15.51	167	33867	52.88 ug/L	94
112) 1,2,4-trimethylbenzene	15.47	105	223373	53.95 ug/L	100
113) sec-butylbenzene	15.63	105	285205	54.87 ug/L	99
114) 1,3-dichlorobenzene	15.82	146	103915	49.18 ug/L	99
115) p-isopropyltoluene	15.75	119	226847	54.86 ug/L	97
116) 1,4-dichlorobenzene	15.91	146	100943	47.57 ug/L	99
117) 1,2-dichlorobenzene	16.29	146	91593	46.58 ug/L	98
118) 1,4-Diethylbenzene	16.13	119	128993	56.40 ug/L	96
119) n-butylbenzene	16.16	92	120289	55.14 ug/L	98
120) 1,2,4,5-Tetramethylbenzene	16.91	119	217298	60.86 ug/L	100
121) 1,2-dibromo-3-chloropropan	17.06	157	7569	44.12 ug/L	96
122) 1,3,5-Trichlorobenzene	17.25	180	80182	52.38 ug/L	99
123) 1,2,4-trichlorobenzene	17.87	180	62902	54.67 ug/L	97
124) hexachlorobutadiene	17.99	225	43433	47.17 ug/L	97
125) naphthalene	18.15	128	117674	48.55 ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	53522	49.75 ug/L	94
127) hexachloroethane	16.55	119	39610	52.48 ug/L	95
128) Benzyl chloride	16.02	91	96204	50.21 ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110979.D
Acq On : 23 Jun 2014 12:35 pm
Operator : prashans
Sample : JB69534-1MS
Misc : MS69363,V3C4998,5.8,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 14:16:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110980.D
Acq On : 23 Jun 2014 1:03 pm
Operator : prashans
Sample : JB69534-1MSD
Misc : MS69363,V3C4998,5.9,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 14:16:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	47396	500.00	ug/L		0.00
5) pentafluorobenzene	9.54	168	136713	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	185874	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	118283	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	47908	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	9.59	113	66141	53.11	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 106.22%				
45) 1,2-dichloroethane-d4 (s)	10.01	65	84831	46.33	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.66%				
74) toluene-d8 (s)	12.09	98	247318	51.36	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.72%				
99) 4-bromofluorobenzene (s)	14.73	95	82448	56.87	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 113.74%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	13490	1354.37	ug/L	#	99
3) tertiary butyl alcohol	7.42	59	44439	282.14	ug/L		99
6) chlorodifluoromethane	3.98	51	109496	63.77	ug/L		99
7) dichlorodifluoromethane	3.97	85	111239	58.47	ug/L		99
8) chloromethane	4.31	50	119869	50.87	ug/L		98
9) vinyl chloride	4.55	62	99992	51.49	ug/L		99
10) bromomethane	5.20	94	44170	44.04	ug/L		99
11) chloroethane	5.37	64	43030	48.56	ug/L		96
14) trichlorofluoromethane	5.80	101	119629	58.55	ug/L		99
15) ethyl ether	6.22	74	39641	49.70	ug/L		98
16) acrolein	6.47	56	88753	334.54	ug/L		97
17) 1,1-dichloroethene	6.64	61	144323	59.21	ug/L		97
18) acetone	6.68	58	11493	66.65	ug/L		98
19) allyl chloride	7.17	76	44414	56.09	ug/L		87
20) acetonitrile	7.11	40	35254	259.02	ug/L		99
21) iodomethane	6.92	142	110468	57.39	ug/L		98
22) iso-butyl alcohol	9.82	41	24029	423.52	ug/L		95
23) carbon disulfide	7.05	76	250581	50.41	ug/L		97
24) methylene chloride	7.35	84	75823	47.25	ug/L		98
25) methyl acetate	7.15	74	8609	44.47	ug/L		94
26) methyl tert butyl ether	7.68	73	201385	43.90	ug/L		99
27) trans-1,2-dichloroethene	7.73	61	143313	57.01	ug/L		99
28) di-isopropyl ether	8.27	45	335928	53.33	ug/L		91
29) ethyl tert-butyl ether	8.74	59	282229	50.47	ug/L		98
30) 2-butanone	8.99	72	8901	54.54	ug/L		73
31) 1,1-dichloroethane	8.29	63	165815	56.04	ug/L		98
32) chloroprene	8.40	53	160208	63.51	ug/L		98
33) acrylonitrile	7.67	53	97794	199.90	ug/L		98
34) vinyl acetate	8.28	86	10014	46.41	ug/L		91
35) ethyl acetate	9.01	45	8955	44.87	ug/L	#	2
36) 2,2-dichloropropane	9.03	77	154334	62.28	ug/L		98
37) cis-1,2-dichloroethene	9.02	61	165323	56.52	ug/L		97
38) propionitrile	9.08	54	76476	405.94	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110980.D
Acq On : 23 Jun 2014 1:03 pm
Operator : prashans
Sample : JB69534-1MSD
Misc : MS69363,V3C4998,5.9,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 14:16:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	7211	41.80	ug/L		88
40) bromochloromethane	9.34	128	31160	52.68	ug/L		97
41) tetrahydrofuran	9.38	72	7234	43.11	ug/L		97
42) chloroform	9.39	83	145054	51.86	ug/L		99
43) tert-Butyl Formate	9.42	59	60359	47.33	ug/L	#	87
46) freon 113	6.62	151	55927	58.56	ug/L		90
47) methacrylonitrile	9.27	41	39106	43.24	ug/L		99
48) 1,1,1-trichloroethane	9.65	97	136614	59.57	ug/L		98
49) Cyclohexane	9.72	84	126364	56.32	ug/L		99
50) Tert Amyl Alcohol	9.95	73	19591	234.14	ug/L	#	97
51) 2,2,4-trimethylpentane	10.09	57	332547	47.13	ug/L		99
52) tert-amyl methyl ether	10.12	73	225707	45.66	ug/L		100
54) epichlorohydrin	11.71	57	27854	213.92	ug/L		97
55) n-butyl alcohol	10.57	56	95872	2098.67	ug/L		98
56) carbon tetrachloride	9.85	117	115418	59.99	ug/L		98
57) 1,1-dichloropropene	9.82	75	121917	57.81	ug/L		99
58) hexane	8.03	57	136731	57.44	ug/L		100
59) benzene	10.09	78	323173	52.16	ug/L		99
60) heptane	10.26	57	69350	47.51	ug/L		97
61) isopropyl acetate	10.00	87	12389	47.43	ug/L		95
62) 1,2-dichloroethane	10.10	62	107232	52.03	ug/L		99
63) trichloroethene	10.80	95	81958	57.55	ug/L		96
64) ethyl acrylate	10.80	55	76146	47.20	ug/L		95
65) Tert-Amyl ethyl ether	10.96	87	111976	54.46	ug/L		99
66) 2-nitropropane	11.56	41	24962	45.67	ug/L		96
67) 2-chloroethyl vinyl ether	11.59	63	138747	249.96	ug/L		99
68) methyl methacrylate	11.06	100	12572	46.48	ug/L	#	71
69) 1,2-dichloropropane	11.06	63	85331	51.77	ug/L		95
70) methylcyclohexane	11.02	83	143749	55.30	ug/L		99
71) dibromomethane	11.22	93	35055	48.34	ug/L		95
72) bromodichloromethane	11.35	83	99259	53.69	ug/L		99
73) cis-1,3-dichloropropene	11.80	75	118552	52.77	ug/L		92
75) 4-methyl-2-pentanone	11.89	58	21209	42.15	ug/L		97
76) toluene	12.17	91	292203	49.57	ug/L		99
77) 3-methyl-1-butanol	11.91	70	30278	808.00	ug/L		99
78) trans-1,3-dichloropropene	12.36	75	98158	48.61	ug/L		99
79) ethyl methacrylate	12.35	69	69453	44.98	ug/L		98
80) 1,1,2-trichloroethane	12.57	97	42670	45.38	ug/L		99
81) 2-hexanone	12.74	58	19992	44.77	ug/L		84
83) tetrachloroethene	12.75	166	66565	61.22	ug/L		97
84) 1,3-dichloropropane	12.75	76	81195	51.63	ug/L		99
85) butyl acetate	12.81	56	34630	50.54	ug/L		94
86) dibromochloromethane	13.01	129	49918	55.08	ug/L		96
87) 1,2-dibromoethane	13.16	107	38433	50.43	ug/L		99
88) 3,3-Dimethyl-1-Butanol	12.90	57	52840	422.80	ug/L		96
89) chlorobenzene	13.62	112	148166	52.54	ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	54761	55.82	ug/L		99
91) ethylbenzene	13.67	91	288729	53.64	ug/L		99
92) m,p-xylene	13.78	106	203911	108.99	ug/L		98
93) o-xylene	14.19	91	233127	54.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110980.D
Acq On : 23 Jun 2014 1:03 pm
Operator : prashans
Sample : JB69534-1MSD
Misc : MS69363,V3C4998,5.9,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 14:16:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

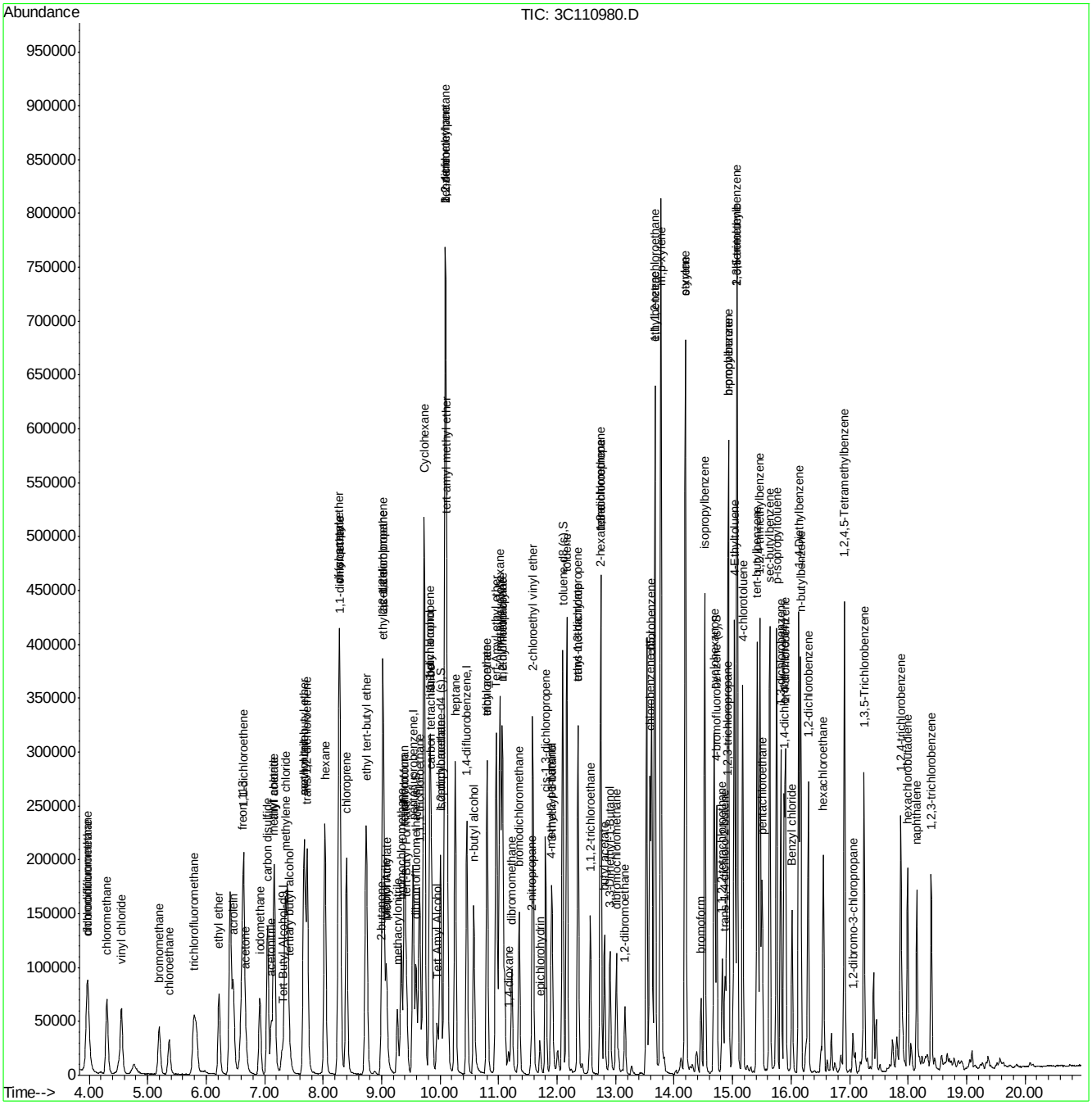
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
94) styrene	14.20	104	150070	56.16 ug/L	99
96) bromoform	14.46	173	26230	48.75 ug/L	98
98) isopropylbenzene	14.53	105	263086	55.44 ug/L	98
100) bromobenzene	14.92	156	50989	51.33 ug/L	97
101) cyclohexanone	14.68	55	128404	597.05 ug/L	92
102) 1,1,2,2-tetrachloroethane	14.82	83	48878	47.14 ug/L	100
103) trans-1,4-dichloro-2-buten	14.87	53	18401	56.83 ug/L	87
104) 1,2,3-trichloropropane	14.90	110	11775	46.20 ug/L	89
105) n-propylbenzene	14.93	91	294911	55.84 ug/L	98
106) 4-Ethyltoluene	15.03	105	251005	59.22 ug/L	98
107) 2-chlorotoluene	15.07	126	55380	53.97 ug/L	92
108) 4-chlorotoluene	15.17	126	55368	53.17 ug/L	96
109) 1,3,5-trimethylbenzene	15.08	105	217347	55.32 ug/L	99
110) tert-butylbenzene	15.43	119	176775	55.15 ug/L	99
111) pentachloroethane	15.51	167	30744	51.79 ug/L	93
112) 1,2,4-trimethylbenzene	15.47	105	206478	53.80 ug/L	98
113) sec-butylbenzene	15.63	105	258557	53.67 ug/L	99
114) 1,3-dichlorobenzene	15.82	146	97912	49.99 ug/L	99
115) p-isopropyltoluene	15.75	119	206525	53.88 ug/L	96
116) 1,4-dichlorobenzene	15.91	146	94402	48.00 ug/L	98
117) 1,2-dichlorobenzene	16.29	146	86129	47.26 ug/L	98
118) 1,4-Diethylbenzene	16.13	119	122588	57.82 ug/L	96
119) n-butylbenzene	16.16	92	110281	54.54 ug/L	100
120) 1,2,4,5-Tetramethylbenzene	16.91	119	208752	63.08 ug/L	98
121) 1,2-dibromo-3-chloropropan	17.06	157	6992	43.97 ug/L	97
122) 1,3,5-Trichlorobenzene	17.25	180	73474	51.79 ug/L	99
123) 1,2,4-trichlorobenzene	17.88	180	57326	53.75 ug/L	98
124) hexachlorobutadiene	17.99	225	36683	42.98 ug/L	94
125) naphthalene	18.15	128	109021	48.52 ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	48999	49.14 ug/L	99
127) hexachloroethane	16.55	119	36275	51.86 ug/L	95
128) Benzyl chloride	16.02	91	95255	53.63 ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110980.D
Acq On : 23 Jun 2014 1:03 pm
Operator : prashans
Sample : JB69534-1MSD
Misc : MS69363,V3C4998,5.9,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 14:16:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9256.D
Acq On : 27 Jun 2014 12:43 pm
Operator : BenM
Sample : jb69628-4ms
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 14:37:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.461	65	148309	500.00	ug/L	0.00
4) pentafluorobenzene	9.930	168	161651	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	230549	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	216752	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	138730	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.993	113	82023	53.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 107.20%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	79555	52.49	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 104.98%			
73) toluene-d8 (s)	12.552	98	253835	51.84	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 103.68%			
96) 4-bromofluorobenzene (s)	15.294	95	124818	51.77	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.54%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.645	88	28497	1228.95	ug/L #	97
3) tertiary butyl alcohol	7.592	59	73079	247.92	ug/L	97
6) chlorodifluoromethane	3.644	51	99559	42.52	ug/L	97
7) dichlorodifluoromethane	3.634	85	110463	42.81	ug/L	98
9) chloromethane	3.969	50	105848	41.64	ug/L	97
10) vinyl chloride	4.242	62	118601	44.37	ug/L	100
11) bromomethane	4.939	94	78078	45.52	ug/L	97
12) chloroethane	5.133	64	49094	50.59	ug/L	98
13) trichlorofluoromethane	5.657	101	141768	51.59	ug/L	96
14) ethyl ether	6.108	74	38573	57.63	ug/L	97
16) 2-chloropropane	6.334	43	129787	50.41	ug/L	99
17) acrolein	6.444	56	192431	537.87	ug/L	99
18) 1,1-dichloroethene	6.585	61	134329	53.94	ug/L	100
19) acetone	6.706	58	8612	61.89	ug/L	97
20) allyl chloride	7.209	76	35868	52.58	ug/L	92
21) acetonitrile	7.251	40	77848	543.78	ug/L	97
22) iodomethane	6.910	142	179965	55.84	ug/L	99
23) iso-butyl alcohol	10.297	41	34091	520.42	ug/L	98
24) carbon disulfide	7.021	76	338740	50.94	ug/L	99
25) methylene chloride	7.450	84	104088	56.27	ug/L	97
26) 1-chloropropane	7.461	41	33222	46.32	ug/L	94
27) methyl acetate	7.220	74	13459	54.95	ug/L	94
28) methyl tert butyl ether	7.797	73	282520	56.55	ug/L	99
29) trans-1,2-dichloroethene	7.854	61	114988	52.31	ug/L	98
30) di-isopropyl ether	8.478	45	246415	51.04	ug/L	99
31) ethyl tert-butyl ether	9.008	59	275407	57.10	ug/L	98
32) 2-butanone	9.343	72	10096	56.86	ug/L	89
33) 1,1-dichloroethane	8.525	63	141364	52.21	ug/L	98
34) chloroprene	8.625	53	89103	48.48	ug/L	96
35) acrylonitrile	7.875	53	162966	277.45	ug/L	98
36) vinyl acetate	8.525	86	10555	52.07	ug/L	89
37) ethyl acetate	9.354	45	11840	49.85	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9256.D
Acq On : 27 Jun 2014 12:43 pm
Operator : BenM
Sample : jb69628-4ms
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 14:37:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	134687	55.27	ug/L		97
39) cis-1,2-dichloroethene	9.354	61	142057	51.17	ug/L		99
40) propionitrile	9.495	54	132112	538.50	ug/L		97
41) methyl acrylate	9.438	55	92585	52.57	ug/L	#	99
42) bromochloromethane	9.700	128	45036	53.23	ug/L		97
43) tetrahydrofuran	9.731	42	27530	45.44	ug/L		93
44) chloroform	9.773	83	136553	49.59	ug/L		99
47) freon 113	6.549	151	68039	53.63	ug/L		99
48) methacrylonitrile	9.668	41	91665	44.53	ug/L		94
49) 1,1,1-trichloroethane	10.004	97	135253	54.08	ug/L		100
50) tert-amyl methyl ether	10.512	73	272122	55.93	ug/L		98
52) epichlorohydrin	12.211	57	41895	251.32	ug/L		99
53) n-butyl alcohol	11.084	56	150520	2734.81	ug/L		99
54) cyclohexane	10.046	84	125192	47.66	ug/L	#	100
55) carbon tetrachloride	10.208	117	123812	49.79	ug/L		99
56) 1,1-dichloropropene	10.193	75	97882	46.12	ug/L		99
57) hexane	8.164	57	73761	41.64	ug/L		98
58) benzene	10.481	78	318963	50.48	ug/L		99
59) isooctane	10.444	57	283299	46.36	ug/L		98
60) heptane	10.633	57	42118	43.37	ug/L		100
61) isopropyl acetate	10.439	43	266170	64.80	ug/L		92
62) 1,2-dichloroethane	10.533	62	96226	50.67	ug/L		99
63) trichloroethene	11.231	95	78253	49.18	ug/L		97
67) methyl methacrylate	11.530	69	51774	50.52	ug/L		99
68) 1,2-dichloropropane	11.519	63	77577	51.48	ug/L		97
69) methylcyclohexane	11.414	83	123883	46.38	ug/L		97
70) dibromomethane	11.692	93	57130	53.27	ug/L		98
71) bromodichloromethane	11.828	83	106710	50.33	ug/L		97
72) cis-1,3-dichloropropene	12.279	75	119245	48.56	ug/L		99
74) 4-methyl-2-pentanone	12.389	58	35719	52.49	ug/L		97
75) toluene	12.620	92	160417	47.32	ug/L		98
76) 3-methyl-1-butanol	12.431	70	57283	1156.28	ug/L		96
77) trans-1,3-dichloropropene	12.856	75	112127	51.11	ug/L		99
78) ethyl methacrylate	12.835	69	98212	50.66	ug/L		99
79) 1,1,2-trichloroethane	13.076	83	62755	52.21	ug/L		98
80) 2-hexanone	13.249	58	33805	53.19	ug/L		97
82) tetrachloroethene	13.202	166	70016	45.59	ug/L		99
83) 1,3-dichloropropane	13.260	76	105701	45.61	ug/L		100
84) butyl acetate	13.312	56	53158	46.57	ug/L		98
85) dibromochloromethane	13.527	129	90416	48.30	ug/L		99
86) 1,2-dibromoethane	13.674	107	83484	49.46	ug/L		97
87) chlorobenzene	14.130	112	197847	46.68	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.198	131	85035	47.50	ug/L		100
89) ethylbenzene	14.177	91	369542	49.56	ug/L		99
90) m,p-xylene	14.287	106	248176	88.85	ug/L		97
91) o-xylene	14.723	106	132596	45.83	ug/L		98
92) styrene	14.744	104	229844	47.34	ug/L		99
93) bromoform	15.032	173	74506	50.49	ug/L		100
95) isopropylbenzene	15.069	105	359423	42.70	ug/L		99
97) bromobenzene	15.488	156	102577	47.56	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9256.D
Acq On : 27 Jun 2014 12:43 pm
Operator : BenM
Sample : jb69628-4ms
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 14:37:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

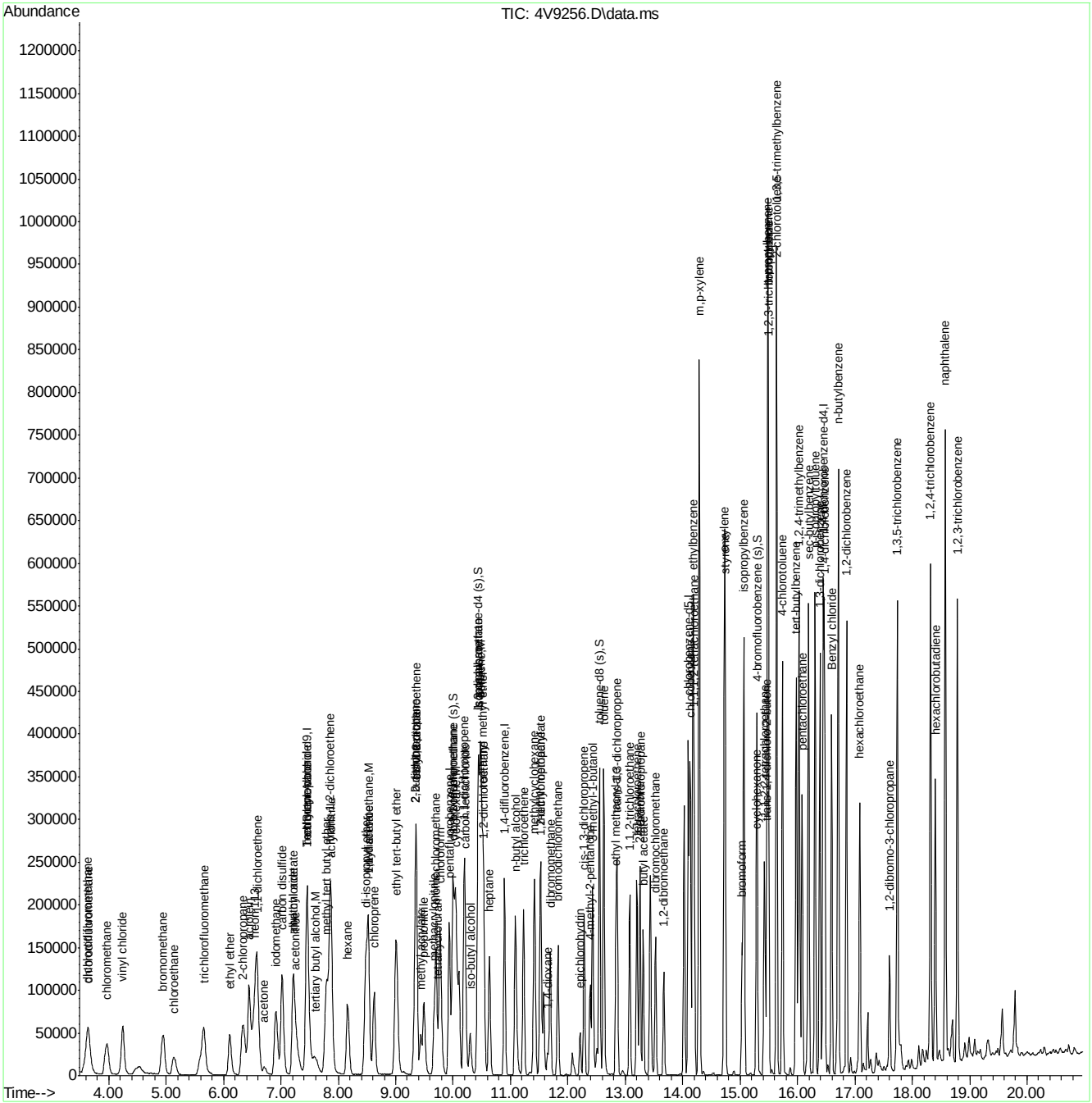
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	cyclohexanone	15.278	55	44831	135.38	ug/L	97
99)	1,1,2,2-tetrachloroethane	15.425	83	138457	45.17	ug/L	99
100)	trans-1,4-dichloro-2-b...	15.462	53	30161	43.28	ug/L	91
101)	1,2,3-trichloropropane	15.493	110	29621	49.49	ug/L	98
102)	n-propylbenzene	15.483	91	439751	43.78	ug/L	100
103)	2-chlorotoluene	15.640	126	89446	44.70	ug/L	91
104)	4-chlorotoluene	15.740	91	279121	44.69	ug/L	100
105)	1,3,5-trimethylbenzene	15.635	105	304106	42.17	ug/L	99
106)	tert-butylbenzene	15.981	119	245082	42.35	ug/L	98
107)	pentachloroethane	16.081	167	67208	46.99	ug/L	100
108)	1,2,4-trimethylbenzene	16.028	105	317204	43.34	ug/L	97
109)	sec-butylbenzene	16.191	105	412517	40.94	ug/L	99
110)	1,3-dichlorobenzene	16.390	146	200150	45.68	ug/L	99
111)	p-isopropyltoluene	16.306	119	333347	41.21	ug/L	99
112)	1,4-dichlorobenzene	16.474	146	206133	46.03	ug/L	99
114)	1,2-dichlorobenzene	16.857	146	213477	46.86	ug/L	99
115)	n-butylbenzene	16.710	92	188972	42.04	ug/L	99
116)	1,2-dibromo-3-chloropr...	17.601	75	30851	46.55	ug/L	94
117)	1,3,5-trichlorobenzene	17.743	180	169258	43.60	ug/L	100
118)	1,2,4-trichlorobenzene	18.319	180	162025	44.57	ug/L	100
119)	hexachlorobutadiene	18.403	225	65951	39.90	ug/L	97
120)	naphthalene	18.571	128	540393	52.04	ug/L	99
121)	1,2,3-trichlorobenzene	18.786	180	161377	46.32	ug/L	99
122)	hexachloroethane	17.082	119	79952	46.17	ug/L	92
123)	Benzyl chloride	16.594	91	278110	49.81	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9256.D
Acq On : 27 Jun 2014 12:43 pm
Operator : BenM
Sample : jb69628-4ms
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 14:37:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9257.D
Acq On : 27 Jun 2014 1:09 pm
Operator : BenM
Sample : jb69628-4msd
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 14:37:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.471	65	149209	500.00	ug/L		0.00
4) pentafluorobenzene	9.930	168	172876	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.895	114	244675	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	235889	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	150271	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	85628	52.32	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 104.64%				
46) 1,2-dichloroethane-d4 (s)	10.439	65	82339	50.80	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.60%				
73) toluene-d8 (s)	12.552	98	273956	52.72	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.44%				
96) 4-bromofluorobenzene (s)	15.294	95	134962	51.68	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.36%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	28879	1237.91	ug/L	#	98
3) tertiary butyl alcohol	7.592	59	79718	268.82	ug/L		96
6) chlorodifluoromethane	3.644	51	106278	42.44	ug/L		98
7) dichlorodifluoromethane	3.634	85	116619	42.27	ug/L		100
9) chloromethane	3.974	50	110175	40.52	ug/L		99
10) vinyl chloride	4.247	62	125886	44.04	ug/L		98
11) bromomethane	4.950	94	81989	44.70	ug/L		99
12) chloroethane	5.138	64	51807	49.92	ug/L		97
13) trichlorofluoromethane	5.657	101	151859	51.67	ug/L		96
14) ethyl ether	6.108	74	40826	57.04	ug/L		97
16) 2-chloropropane	6.339	43	138106	50.16	ug/L		99
17) acrolein	6.449	56	201097	525.60	ug/L		99
18) 1,1-dichloroethene	6.585	61	141027	52.95	ug/L		97
19) acetone	6.711	58	8770	58.94	ug/L		93
20) allyl chloride	7.209	76	38382	52.61	ug/L		87
21) acetonitrile	7.246	40	82005	535.62	ug/L		88
22) iodomethane	6.910	142	189939	55.10	ug/L		98
23) iso-butyl alcohol	10.297	41	35888	512.28	ug/L		97
24) carbon disulfide	7.021	76	358335	50.39	ug/L		99
25) methylene chloride	7.450	84	108728	54.96	ug/L		98
26) 1-chloropropane	7.456	41	35603	46.42	ug/L	#	96
27) methyl acetate	7.220	74	14080	53.76	ug/L		95
28) methyl tert butyl ether	7.802	73	295083	55.23	ug/L		98
29) trans-1,2-dichloroethene	7.854	61	122499	52.11	ug/L		99
30) di-isopropyl ether	8.483	45	261612	50.67	ug/L		99
31) ethyl tert-butyl ether	9.008	59	291908	56.59	ug/L		97
32) 2-butanone	9.348	72	10980	57.82	ug/L		85
33) 1,1-dichloroethane	8.525	63	149428	51.60	ug/L		100
34) chloroprene	8.625	53	94897	48.28	ug/L		98
35) acrylonitrile	7.875	53	171487	273.00	ug/L		99
36) vinyl acetate	8.531	86	11434	52.74	ug/L		75
37) ethyl acetate	9.359	45	12571	49.49	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9257.D
Acq On : 27 Jun 2014 1:09 pm
Operator : BenM
Sample : jb69628-4msd
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 14:37:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.338	77	142749	54.78	ug/L		99
39) cis-1,2-dichloroethene	9.354	61	149995	50.52	ug/L		98
40) propionitrile	9.495	54	141098	537.79	ug/L		98
41) methyl acrylate	9.443	55	96574	51.28	ug/L	#	98
42) bromochloromethane	9.700	128	47731	52.76	ug/L		98
43) tetrahydrofuran	9.726	42	30548	47.15	ug/L		95
44) chloroform	9.773	83	145271	49.33	ug/L		99
47) freon 113	6.554	151	73927	54.49	ug/L		99
48) methacrylonitrile	9.668	41	89984	40.88	ug/L		92
49) 1,1,1-trichloroethane	10.004	97	144463	54.01	ug/L		100
50) tert-amyl methyl ether	10.512	73	287619	55.27	ug/L		100
52) epichlorohydrin	12.211	57	44237	250.05	ug/L		99
53) n-butyl alcohol	11.084	56	160003	2739.27	ug/L		96
54) cyclohexane	10.051	84	135931	48.77	ug/L	#	100
55) carbon tetrachloride	10.208	117	130478	49.45	ug/L		99
56) 1,1-dichloropropene	10.193	75	104571	46.43	ug/L		98
57) hexane	8.164	57	81630	43.42	ug/L		99
58) benzene	10.481	78	338027	50.41	ug/L		99
59) isooctane	10.444	57	307539	47.42	ug/L		99
60) heptane	10.633	57	46511	45.13	ug/L		97
61) isopropyl acetate	10.439	43	279225	64.05	ug/L		92
62) 1,2-dichloroethane	10.533	62	103335	51.27	ug/L		98
63) trichloroethene	11.231	95	83376	49.37	ug/L		100
67) methyl methacrylate	11.535	69	56546	51.99	ug/L		90
68) 1,2-dichloropropane	11.519	63	82383	51.51	ug/L		99
69) methylcyclohexane	11.414	83	134974	47.61	ug/L		98
70) dibromomethane	11.692	93	60103	52.81	ug/L		96
71) bromodichloromethane	11.828	83	111091	49.37	ug/L		98
72) cis-1,3-dichloropropene	12.279	75	128156	49.18	ug/L		99
74) 4-methyl-2-pentanone	12.389	58	38311	53.05	ug/L		98
75) toluene	12.625	92	176382	49.02	ug/L		100
76) 3-methyl-1-butanol	12.431	70	62279	1184.55	ug/L		98
77) trans-1,3-dichloropropene	12.861	75	122031	52.41	ug/L		98
78) ethyl methacrylate	12.840	69	108063	52.53	ug/L		98
79) 1,1,2-trichloroethane	13.076	83	67707	53.08	ug/L		99
80) 2-hexanone	13.249	58	37539	55.66	ug/L		96
82) tetrachloroethene	13.202	166	77957	46.64	ug/L		98
83) 1,3-dichloropropane	13.260	76	117553	46.61	ug/L		99
84) butyl acetate	13.312	56	58263	46.90	ug/L		98
85) dibromochloromethane	13.527	129	98659	48.43	ug/L		99
86) 1,2-dibromoethane	13.674	107	91732	49.94	ug/L		98
87) chlorobenzene	14.130	112	219715	47.63	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.198	131	91498	46.97	ug/L		98
89) ethylbenzene	14.177	91	403011	49.66	ug/L		100
90) m,p-xylene	14.287	106	272957	89.80	ug/L		96
91) o-xylene	14.723	106	144304	45.83	ug/L		97
92) styrene	14.744	104	248902	47.11	ug/L		98
93) bromoform	15.037	173	80314	50.01	ug/L		99
95) isopropylbenzene	15.069	105	390611	42.84	ug/L		100
97) bromobenzene	15.488	156	110606	47.34	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9257.D
Acq On : 27 Jun 2014 1:09 pm
Operator : BenM
Sample : jb69628-4msd
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 14:37:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

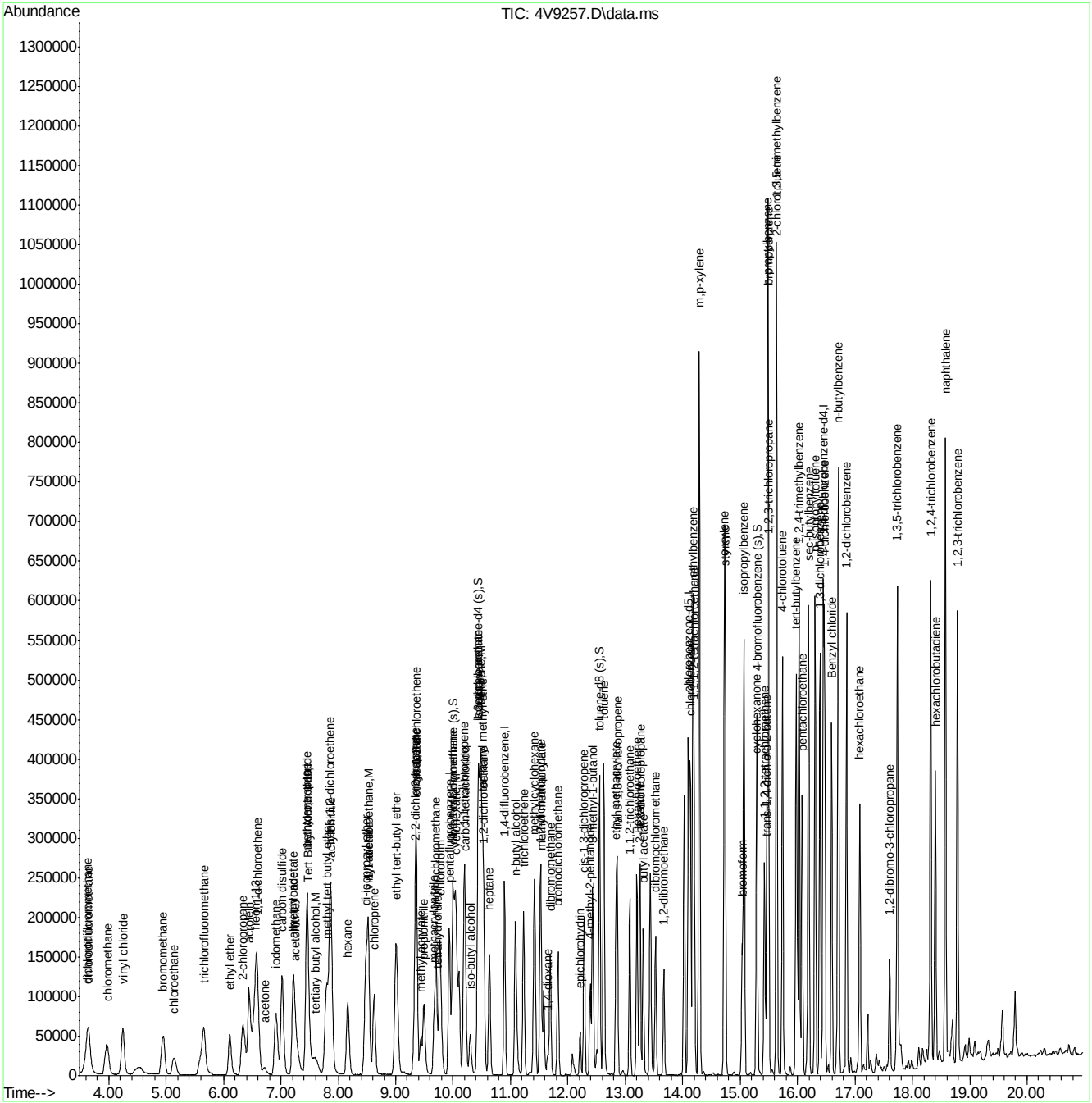
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) cyclohexanone	15.284	55	47580	131.68	ug/L	92
99) 1,1,2,2-tetrachloroethane	15.425	83	147482	44.42	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	31481	41.70	ug/L	95
101) 1,2,3-trichloropropane	15.499	110	31693	48.89	ug/L	98
102) n-propylbenzene	15.483	91	477345	43.87	ug/L	100
103) 2-chlorotoluene	15.640	126	97570	45.01	ug/L	94
104) 4-chlorotoluene	15.740	91	300278	44.39	ug/L	99
105) 1,3,5-trimethylbenzene	15.635	105	334971	42.89	ug/L	99
106) tert-butylbenzene	15.981	119	263761	42.08	ug/L	98
107) pentachloroethane	16.081	167	73016	47.13	ug/L	98
108) 1,2,4-trimethylbenzene	16.028	105	343114	43.28	ug/L	98
109) sec-butylbenzene	16.191	105	449585	41.19	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	215111	45.33	ug/L	100
111) p-isopropyltoluene	16.306	119	364282	41.57	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	221400	45.64	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	231602	46.94	ug/L	99
115) n-butylbenzene	16.710	92	203386	41.77	ug/L	98
116) 1,2-dibromo-3-chloropr...	17.606	75	32051	44.65	ug/L	98
117) 1,3,5-trichlorobenzene	17.743	180	184079	43.78	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	172288	43.76	ug/L	100
119) hexachlorobutadiene	18.403	225	73780	41.20	ug/L	97
120) naphthalene	18.576	128	570465	50.72	ug/L	99
121) 1,2,3-trichlorobenzene	18.786	180	169163	44.82	ug/L	99
122) hexachloroethane	17.082	119	86466	46.09	ug/L	92
123) Benzyl chloride	16.594	91	291110	48.13	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9257.D
Acq On : 27 Jun 2014 1:09 pm
Operator : BenM
Sample : jb69628-4msd
Misc : MS69410,V4V382,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

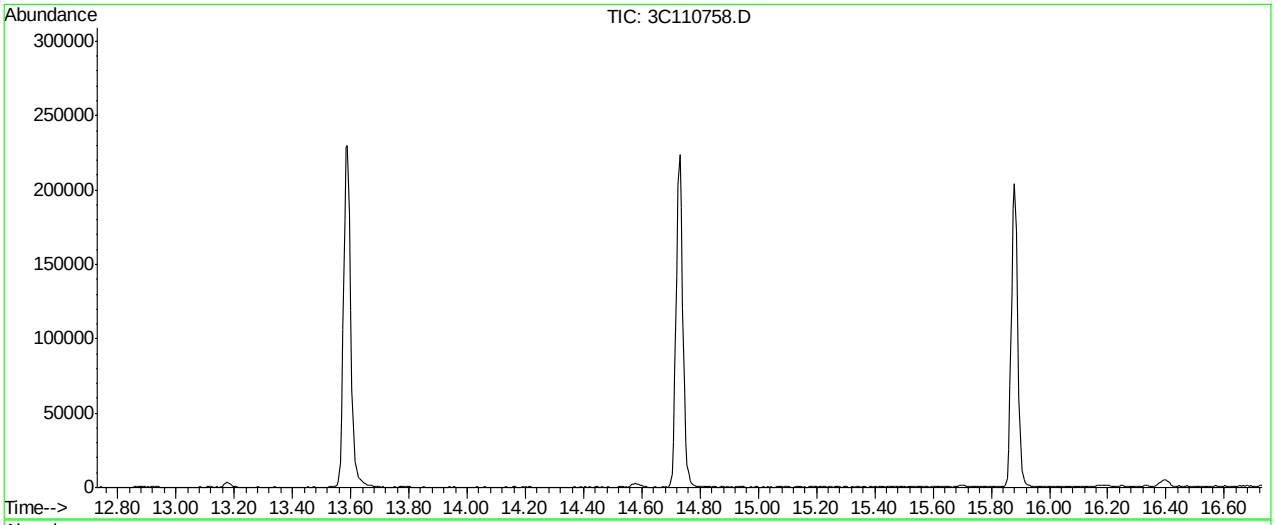
Quant Time: Jun 27 14:37:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

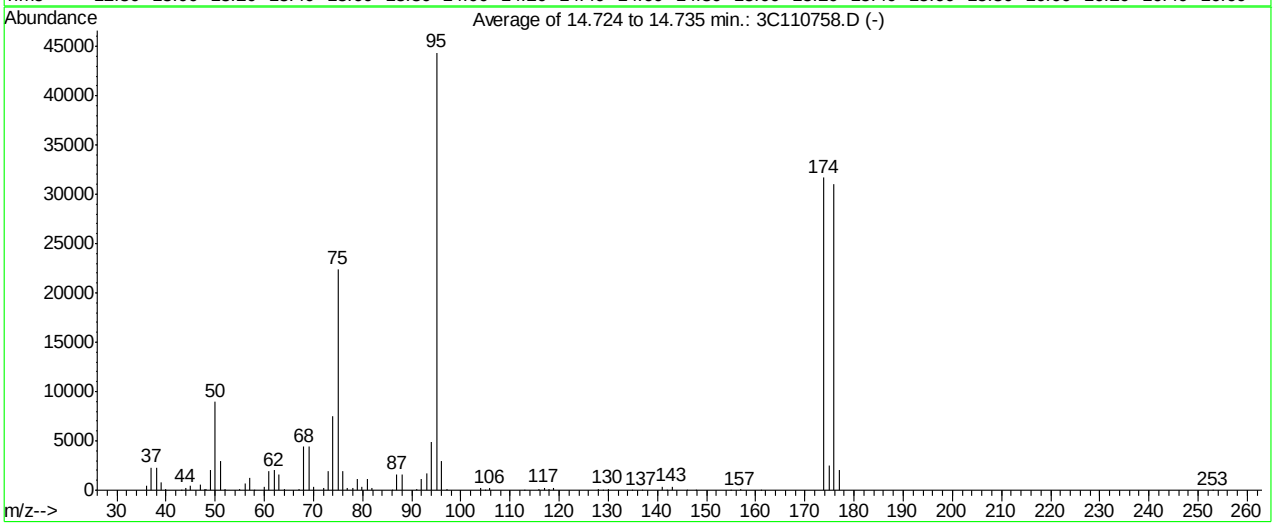


SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\3C110758.D Vial: 1
Acq On : 17 Jun 2014 5:37 pm Operator: prashans
Sample : BFB Inst : MS3C
Misc : MS69200,V3C4989,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C4989.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2083, 2084, 2085; Background Corrected with Scan 2074

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	8958	PASS
75	95	30	60	50.5	22392	PASS
95	95	100	100	100.0	44384	PASS
96	95	5	9	6.7	2978	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	71.4	31696	PASS
175	174	5	9	8.0	2537	PASS
176	174	95	101	97.9	31026	PASS
177	176	5	9	6.5	2023	PASS

3C110758.D M3C4989.M Wed Jun 18 15:50:08 2014 MS3C

Average of 14.724 to 14.735 min.: 3C110758.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	463	49.00	2009	63.00	1549	76.95	273
37.00	2320	50.00	8958	64.05	140	78.05	177
38.00	2247	51.00	2998	67.05	103	78.90	1139
39.00	808	52.00	142	68.00	4421	79.90	325
39.95	62	54.95	121	69.00	4452	80.90	1084
43.05	55	56.00	668	70.00	375	81.95	224
44.00	285	57.00	1198	72.05	221	86.00	27
45.00	444	58.00	28	73.00	1929	86.95	1634
47.00	578	60.00	401	74.00	7484	87.95	1576
47.90	104	61.00	1986	75.00	22392	91.00	155
48.05	162	62.00	2027	76.00	1949	92.00	1176

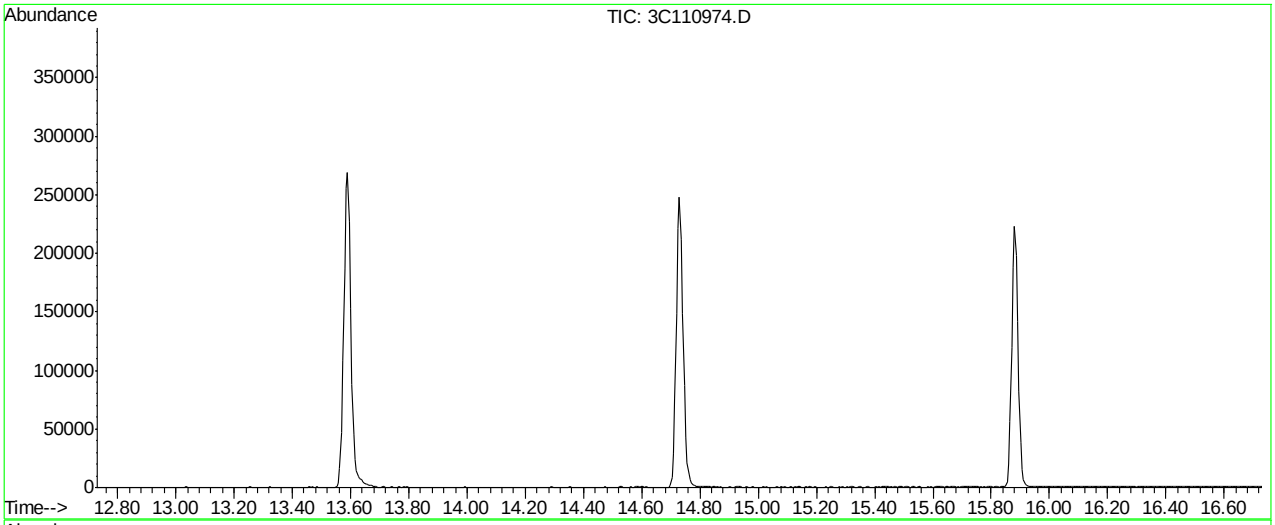
Average of 14.724 to 14.735 min.: 3C110758.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	1696	117.85	126	147.90	61		
94.00	4898	118.85	218	154.90	34		
95.00	44384	127.85	115	156.90	97		
96.00	2978	128.90	59	161.00	28		
97.05	103	129.90	151	173.90	31696		
103.90	176	134.90	30	174.95	2537		
104.90	30	136.80	29	175.90	31026		
105.85	180	140.90	345	176.90	2023		
112.90	28	141.80	25	253.00	57		
115.85	156	142.90	389				
116.90	246	145.90	25				

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\3C110974.D Vial: 1
Acq On : 23 Jun 2014 9:53 am Operator: prashans
Sample : BFB Inst : MS3C
Misc : MS69085,V3C4998,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C4989.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um



AutoFind: Scans 2083, 2084, 2085; Background Corrected with Scan 2075

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	11868	PASS
75	95	30	60	55.1	26498	PASS
95	95	100	100	100.0	48082	PASS
96	95	5	9	6.7	3211	PASS
173	174	0.00	2	0.3	92	PASS
174	95	50	120	64.1	30813	PASS
175	174	5	9	7.6	2328	PASS
176	174	95	101	99.8	30741	PASS
177	176	5	9	6.7	2058	PASS

3C110974.D M3C4989.M Tue Jun 24 12:14:12 2014 MS3C

Average of 14.725 to 14.735 min.: 3C110974.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	475	50.00	11868	63.95	206	78.05	161
37.00	3344	51.00	3530	67.10	151	78.90	1292
38.00	2869	52.05	168	68.00	5558	79.90	413
39.10	1219	55.05	165	69.00	5223	80.90	1469
39.90	129	56.00	913	70.00	441	81.90	343
43.05	50	57.00	1591	72.00	255	86.95	1609
44.00	272	58.00	43	73.00	2177	87.90	1481
44.95	595	60.00	503	74.00	8822	90.95	178
47.05	625	61.00	2644	75.00	26498	92.00	1383
47.95	393	62.00	2400	76.00	2198	93.00	2014
49.00	2389	63.05	1878	76.95	257	94.00	5431

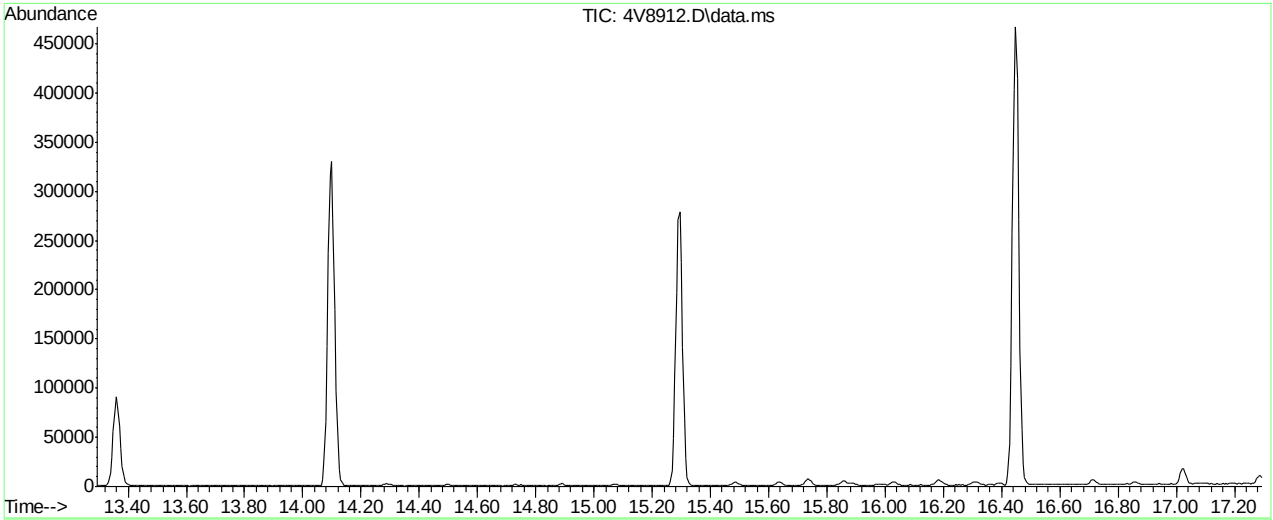
Average of 14.725 to 14.735 min.: 3C110974.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	48082	118.85	223	147.85	106	253.10	56
96.00	3211	127.90	134	149.90	25		
97.00	102	128.90	36	155.00	132		
103.90	172	129.85	145	156.90	51		
104.95	88	131.00	25	171.90	29		
105.90	203	135.00	102	172.80	92		
110.80	26	136.90	35	173.90	30813		
115.00	53	140.90	476	174.90	2328		
115.85	176	142.00	33	175.90	30741		
116.85	257	142.90	476	176.90	2058		
117.90	227	145.85	61	177.90	28		

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\4V8912.D Vial: 1
Acq On : 17 Jun 2014 10:56 am Operator: BenM
Sample : bfb Inst : GCMS4V
Misc : MS68934,V4V368,5,,,,1 Multiplr: 1.00
MS Integration Params: lcsint.p

Method : C:\MSDCHEM\1\METHODS\M4V368.M (RTE Integrator)
Title : sw846 8260b



AutoFind: Scans 2251, 2252, 2253; Background Corrected with Scan 2242

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.9	8885	PASS
75	95	30	60	43.4	24259	PASS
95	95	100	100	100.0	55909	PASS
96	95	5	9	6.6	3676	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	86.5	48363	PASS
175	174	5	9	7.7	3730	PASS
176	174	95	101	97.2	46987	PASS
177	176	5	9	6.5	3058	PASS

4V8912.D M4V368.M Wed Jun 18 09:37:06 2014 RPT1

Average of 15.289 to 15.299 min.: 4V8912.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	414	50.10	8885	68.05	4818	79.95	299
37.05	2164	51.10	2685	69.05	4982	80.90	1176
38.10	1837	55.10	256	70.00	399	81.90	245
39.05	767	56.00	665	72.00	281	87.00	3344
40.00	16	57.05	1213	73.05	2064	88.00	3142
41.10	61	60.00	466	74.10	7620	91.00	226
44.00	218	61.05	2034	75.10	24259	92.00	1359
45.00	478	62.05	1979	76.05	2072	93.00	1935
47.05	790	63.05	1458	77.00	397	94.05	5596
48.00	294	64.10	61	77.95	315	95.10	55909
49.05	1789	67.00	66	78.95	1133	96.10	3676

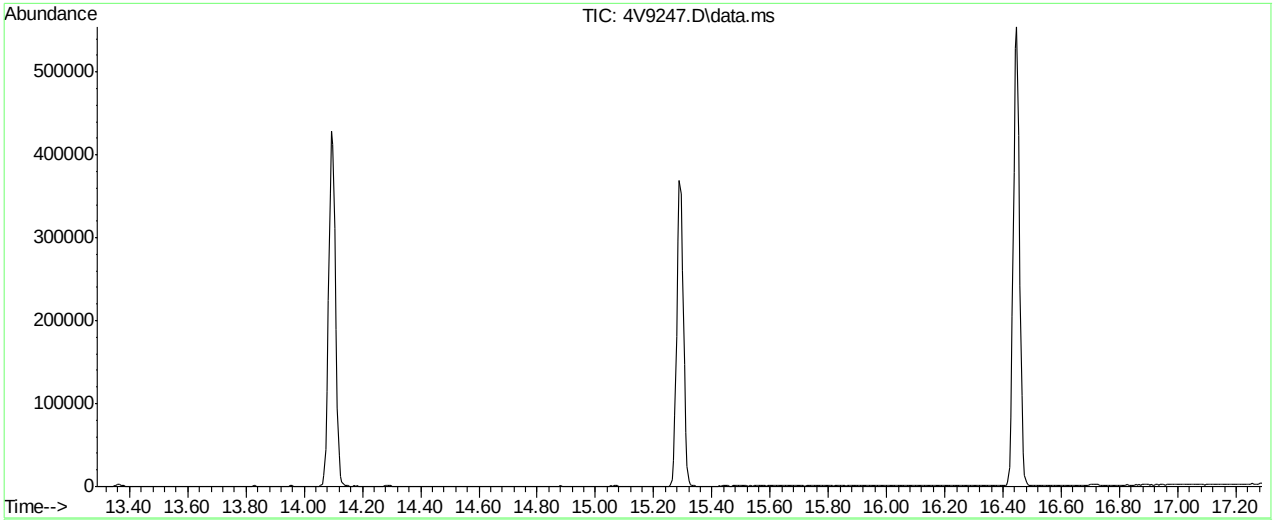
Average of 15.289 to 15.299 min.: 4V8912.D\data.ms
bfb
Modified:subtracted

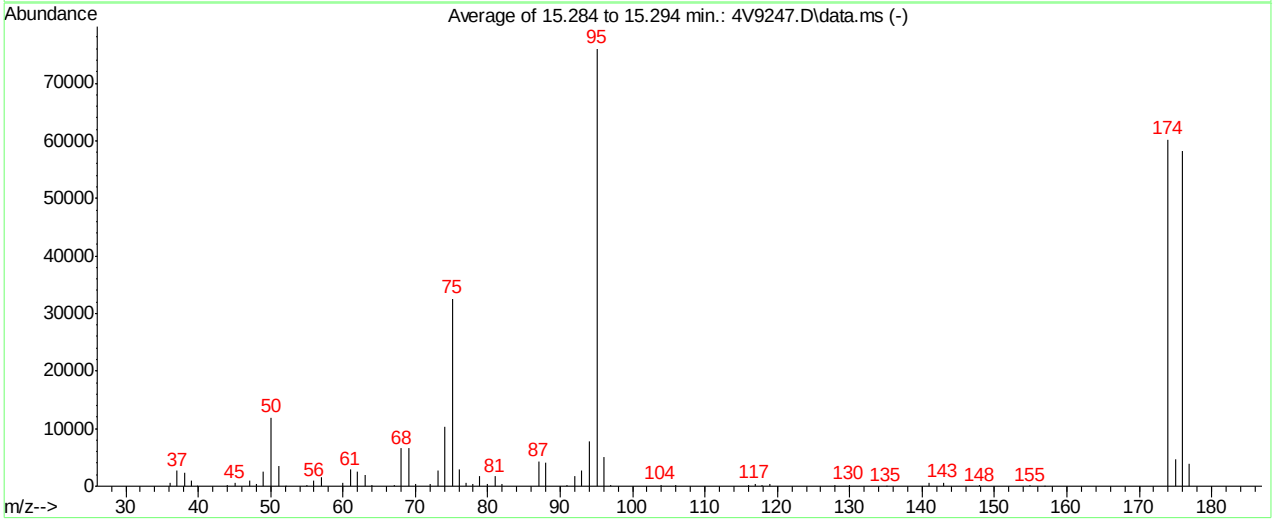
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.90	177	174.00	48363				
105.90	169	175.00	3730				
115.90	164	176.00	46987				
116.90	272	177.00	3058				
117.90	178						
118.95	228						
127.95	210						
129.90	209						
140.95	370						
142.90	396						
155.00	60						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\4V9247.D Vial: 1
Acq On : 27 Jun 2014 8:35 am Operator: BenM
Sample : bfb Inst : GCMS4V
Misc : MS69682,V4V382,5,,,,1 Multiplr: 1.00
MS Integration Params: lcsint.p

Method : C:\MSDCHEM\1\METHODS\M4V368.M (RTE Integrator)
Title : sw846 8260b





AutoFind: Scans 2250, 2251, 2252; Background Corrected with Scan 2242

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.7	11974	PASS
75	95	30	60	42.9	32597	PASS
95	95	100	100	100.0	76029	PASS
96	95	5	9	6.7	5067	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.2	60179	PASS
175	174	5	9	7.7	4628	PASS
176	174	95	101	96.7	58189	PASS
177	176	5	9	6.5	3807	PASS

4V9247.D M4V368.M Fri Jun 27 14:26:43 2014 RPT1

Average of 15.284 to 15.294 min.: 4V9247.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	537	51.10	3537	68.05	6618	79.95	493
37.05	2697	52.00	62	69.05	6551	80.95	1692
38.10	2424	55.05	170	70.05	493	81.90	378
39.05	922	56.00	893	72.05	327	87.00	4302
39.90	65	57.05	1659	73.05	2730	88.00	4131
44.00	246	60.00	601	74.05	10356	91.00	298
45.05	519	61.00	2849	75.10	32597	92.00	1769
47.05	1047	62.00	2630	76.05	2847	93.00	2698
48.00	345	63.05	1978	77.00	509	94.05	7700
49.00	2514	64.05	134	78.00	419	95.10	76029
50.10	11974	67.05	111	78.90	1684	96.05	5067

Average of 15.284 to 15.294 min.: 4V9247.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	128	142.90	621				
103.90	281	147.95	116				
105.95	272	154.95	194				
115.95	236	156.90	52				
116.90	409	174.00	60179				
117.90	236	175.00	4628				
118.95	348	176.00	58189				
127.90	239	176.95	3807				
129.90	253						
135.00	64						
140.95	568						

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110759.D
Acq On : 17 Jun 2014 6:16 pm
Operator : prashans
Sample : IC4989-0.2
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 15:39:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	50040	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	131030	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	173570	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	126063	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	50385	50.00	ug/L	0.00

System Monitoring Compounds						
44) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 59 - 130		Recovery = 0.00%#			
45) 1,2-dichloroethane-d4 (s)	0.00	65	0d	0.00	ug/L	
Spiked Amount 50.000	Range 65 - 123		Recovery = 0.00%#			
74) toluene-d8 (s)	0.00	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 80 - 124		Recovery = 0.00%#			
99) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 71 - 132		Recovery = 0.00%#			

Target Compounds						Qvalue
17) 1,1-dichloroethene	6.65	61	459	0.13	ug/L #	68
23) carbon disulfide	7.06	76	1087	0.14	ug/L	81
26) methyl tert butyl ether	7.67	73	968	0.16	ug/L	68
27) trans-1,2-dichloroethene	7.73	61	506	0.14	ug/L	96
28) di-isopropyl ether	8.28	45	1059	0.14	ug/L #	56
29) ethyl tert-butyl ether	8.74	59	947	0.13	ug/L	88
31) 1,1-dichloroethane	8.30	63	547	0.13	ug/L	83
32) chloroprene	8.41	53	357	0.10	ug/L	71
37) cis-1,2-dichloroethene	9.03	61	506	0.12	ug/L #	75
42) chloroform	9.39	83	678	0.18	ug/L	78
48) 1,1,1-trichloroethane	9.65	97	454	0.13	ug/L	87
49) Cyclohexane	9.72	84	403	0.11	ug/L #	44
51) 2,2,4-trimethylpentane	10.08	57	1398	0.14	ug/L #	86
52) tert-amyl methyl ether	10.12	73	1148	0.17	ug/L	51
56) carbon tetrachloride	9.86	117	380	0.16	ug/L #	45
59) benzene	10.10	78	1345	0.18	ug/L	96
62) 1,2-dichloroethane	10.11	62	311	0.15	ug/L #	49
70) methylcyclohexane	11.02	83	472	0.14	ug/L #	71
73) cis-1,3-dichloropropene	11.81	75	361	0.13	ug/L #	77
91) ethylbenzene	13.67	91	1417	0.19	ug/L	98
92) m,p-xylene	13.78	106	891	0.33	ug/L	93
93) o-xylene	14.20	91	937	0.15	ug/L	99
94) styrene	14.21	104	544	0.13	ug/L	92
98) isopropylbenzene	14.53	105	1239	0.19	ug/L	94
105) n-propylbenzene	14.94	91	1218	0.16	ug/L	93
106) 4-Ethyltoluene	15.04	105	908	0.15	ug/L	94
109) 1,3,5-trimethylbenzene	15.09	105	836	0.15	ug/L	92
112) 1,2,4-trimethylbenzene	15.48	105	850	0.16	ug/L	87
113) sec-butylbenzene	15.64	105	1112	0.16	ug/L	95
114) 1,3-dichlorobenzene	15.83	146	469	0.19	ug/L	75
115) p-isopropyltoluene	15.75	119	863	0.16	ug/L	91
116) 1,4-dichlorobenzene	15.91	146	514	0.21	ug/L	83
117) 1,2-dichlorobenzene	16.30	146	434	0.19	ug/L	86

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110759.D
Acq On : 17 Jun 2014 6:16 pm
Operator : prashans
Sample : IC4989-0.2
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 15:39:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

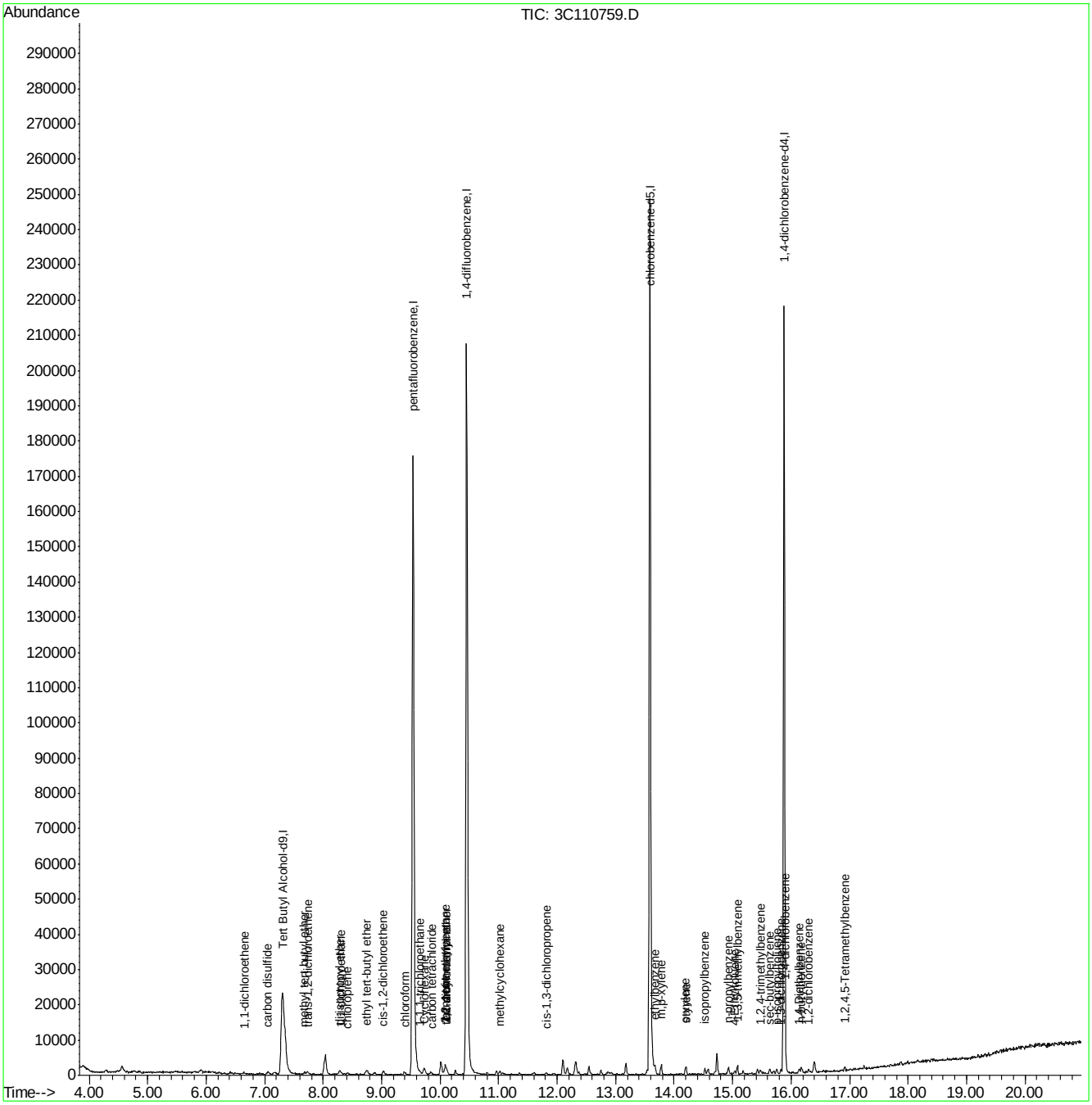
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
118) 1,4-Diethylbenzene	16.13	119	430	0.13	ug/L		93
119) n-butylbenzene	16.17	92	451	0.16	ug/L	#	69
120) 1,2,4,5-Tetramethylbenzene	16.92	119	663	0.13	ug/L		83

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110759.D
Acq On : 17 Jun 2014 6:16 pm
Operator : prashans
Sample : IC4989-0.2
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 15:39:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110760.D
Acq On : 17 Jun 2014 6:44 pm
Operator : prashans
Sample : IC4989-0.5
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:41:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	39300	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	119232	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	158629	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	115065	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	45405	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 59 - 130		Recovery =	0.00%#		
45) 1,2-dichloroethane-d4 (s)	0.00	65	0d	0.00	ug/L	
Spiked Amount 50.000	Range 65 - 123		Recovery =	0.00%#		
74) toluene-d8 (s)	0.00	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 80 - 124		Recovery =	0.00%#		
99) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 71 - 132		Recovery =	0.00%#		
Target Compounds						Qvalue
3) tertiary butyl alcohol	7.44	59	352	2.31	ug/L #	20
17) 1,1-dichloroethene	6.65	61	1053	0.32	ug/L	88
21) iodomethane	6.93	142	790	0.28	ug/L	87
23) carbon disulfide	7.05	76	2297	0.33	ug/L	87
26) methyl tert butyl ether	7.69	73	2126	0.38	ug/L	91
27) trans-1,2-dichloroethene	7.74	61	1065	0.32	ug/L #	77
28) di-isopropyl ether	8.28	45	2584	0.37	ug/L #	64
29) ethyl tert-butyl ether	8.74	59	2328	0.35	ug/L	90
31) 1,1-dichloroethane	8.29	63	1270	0.33	ug/L	91
32) chloroprene	8.41	53	941	0.29	ug/L	86
36) 2,2-dichloropropane	9.03	77	1050	0.30	ug/L	77
37) cis-1,2-dichloroethene	9.03	61	1275	0.35	ug/L	89
42) chloroform	9.39	83	1423	0.40	ug/L	85
48) 1,1,1-trichloroethane	9.65	97	965	0.31	ug/L	82
49) Cyclohexane	9.73	84	1073	0.31	ug/L	88
51) 2,2,4-trimethylpentane	10.09	57	2853	0.32	ug/L #	87
52) tert-amyl methyl ether	10.12	73	2247	0.37	ug/L	95
56) carbon tetrachloride	9.86	117	817	0.38	ug/L #	76
57) 1,1-dichloropropene	9.83	75	994	0.42	ug/L	83
59) benzene	10.10	78	2734	0.40	ug/L	95
62) 1,2-dichloroethane	10.11	62	881	0.46	ug/L	91
63) trichloroethene	10.81	95	605	0.37	ug/L	90
65) Tert-Amyl ethyl ether	10.96	87	711	0.30	ug/L #	56
67) 2-chloroethyl vinyl ether	11.60	63	933	1.33	ug/L	99
69) 1,2-dichloropropane	11.07	63	702	0.41	ug/L	64
70) methylcyclohexane	11.03	83	1038	0.34	ug/L	97
72) bromodichloromethane	11.36	83	689	0.35	ug/L	77
73) cis-1,3-dichloropropene	11.82	75	880	0.35	ug/L	82
76) toluene	12.18	91	2992	0.44	ug/L	82
78) trans-1,3-dichloropropene	12.37	75	818	0.39	ug/L	92
80) 1,1,2-trichloroethane	12.58	97	373	0.36	ug/L	89
83) tetrachloroethene	12.75	166	566	0.42	ug/L	87
84) 1,3-dichloropropane	12.76	76	733	0.39	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110760.D
Acq On : 17 Jun 2014 6:44 pm
Operator : prashans
Sample : IC4989-0.5
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:41:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

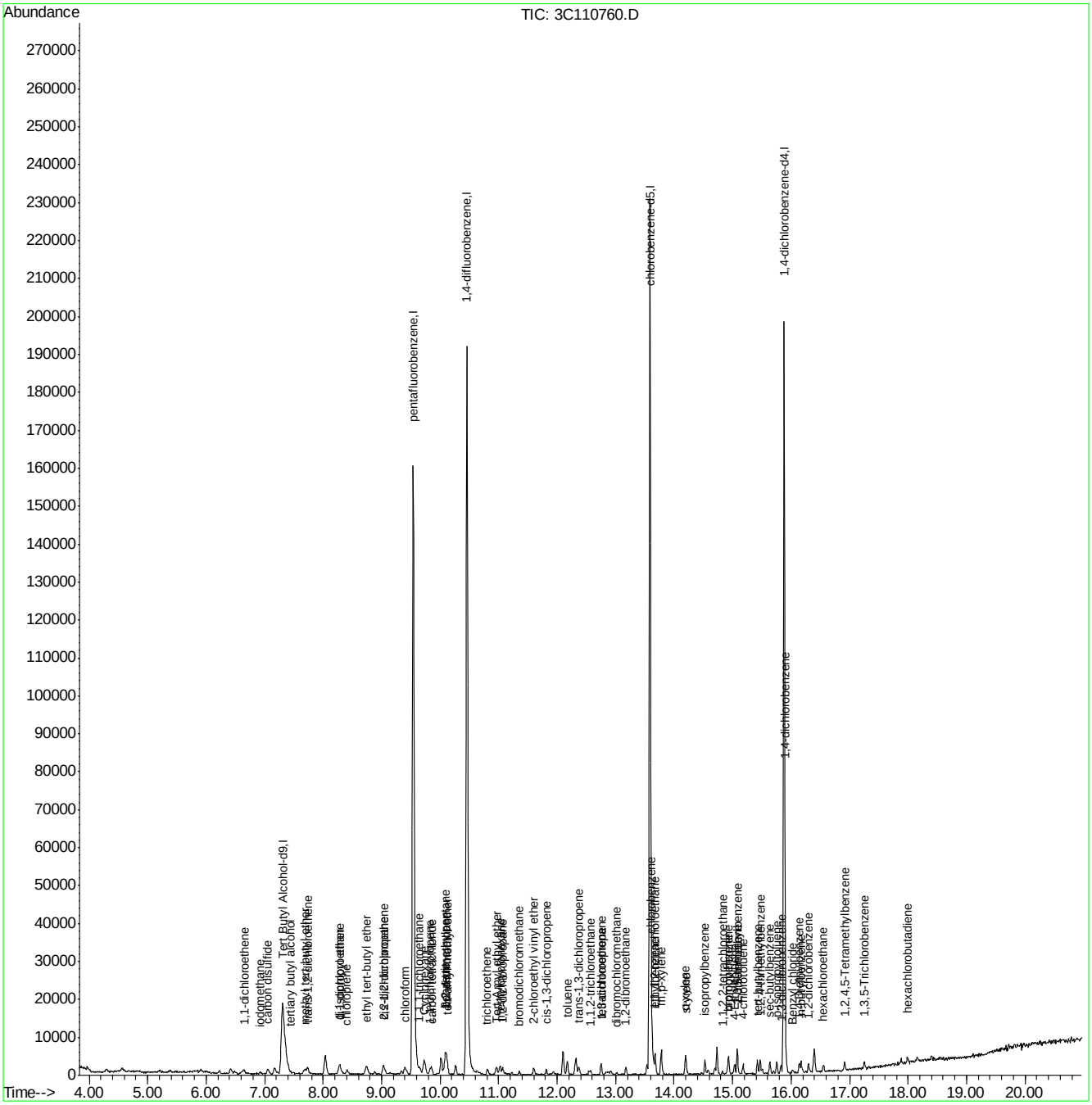
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) dibromochloromethane	13.02	129	382	0.36	ug/L		82
87) 1,2-dibromoethane	13.16	107	343	0.37	ug/L	#	61
89) chlorobenzene	13.62	112	1572	0.45	ug/L		95
90) 1,1,1,2-tetrachloroethane	13.68	131	471	0.37	ug/L		88
91) ethylbenzene	13.67	91	2812	0.41	ug/L		90
92) m,p-xylene	13.78	106	1907	0.78	ug/L		97
93) o-xylene	14.20	91	2234	0.40	ug/L		98
94) styrene	14.21	104	1199	0.32	ug/L		87
98) isopropylbenzene	14.53	105	2305	0.39	ug/L		87
100) bromobenzene	14.93	156	444	0.38	ug/L	#	55
102) 1,1,2,2-tetrachloroethane	14.83	83	535	0.46	ug/L		95
105) n-propylbenzene	14.93	91	2631	0.39	ug/L		91
106) 4-Ethyltoluene	15.03	105	1971	0.36	ug/L		97
107) 2-chlorotoluene	15.09	126	489	0.38	ug/L	#	87
108) 4-chlorotoluene	15.17	126	557	0.44	ug/L		57
109) 1,3,5-trimethylbenzene	15.08	105	2119	0.43	ug/L		90
110) tert-butylbenzene	15.43	119	1681	0.40	ug/L		89
112) 1,2,4-trimethylbenzene	15.47	105	2246	0.48	ug/L		88
113) sec-butylbenzene	15.64	105	2336	0.38	ug/L		92
114) 1,3-dichlorobenzene	15.83	146	977	0.43	ug/L		89
115) p-isopropyltoluene	15.76	119	1876	0.38	ug/L		93
116) 1,4-dichlorobenzene	15.90	146	1054	0.48	ug/L		97
117) 1,2-dichlorobenzene	16.29	146	923	0.45	ug/L		94
118) 1,4-Diethylbenzene	16.13	119	847	0.29	ug/L		89
119) n-butylbenzene	16.17	92	951	0.37	ug/L		81
120) 1,2,4,5-Tetramethylbenzene	16.92	119	1378	0.31	ug/L		98
122) 1,3,5-Trichlorobenzene	17.25	180	664	0.40	ug/L	#	78
124) hexachlorobutadiene	17.99	225	441	0.46	ug/L		79
127) hexachloroethane	16.55	119	332	0.36	ug/L	#	59
128) Benzyl chloride	16.03	91	837	0.39	ug/L	#	61

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110760.D
Acq On : 17 Jun 2014 6:44 pm
Operator : prashans
Sample : IC4989-0.5
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:41:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110761.D
Acq On : 17 Jun 2014 7:12 pm
Operator : prashans
Sample : IC4989-1
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 15:42:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	46904	500.00	ug/L		0.00
5) pentafluorobenzene	9.54	168	131066	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	174592	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	129441	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	51456	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 59 - 130		Recovery =	0.00%#			
45) 1,2-dichloroethane-d4 (s)	0.00	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 65 - 123		Recovery =	0.00%#			
74) toluene-d8 (s)	0.00	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 80 - 124		Recovery =	0.00%#			
99) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 71 - 132		Recovery =	0.00%#			
Target Compounds							Qvalue
3) tertiary butyl alcohol	7.43	59	855	4.70	ug/L	#	76
15) ethyl ether	6.23	74	587	0.51	ug/L		95
16) acrolein	6.47	56	455914	1317.30	ug/L		98
17) 1,1-dichloroethene	6.64	61	2134	0.59	ug/L		90
21) iodomethane	6.92	142	1612	0.52	ug/L		72
23) carbon disulfide	7.05	76	4405	0.58	ug/L		83
26) methyl tert butyl ether	7.69	73	3930	0.64	ug/L		94
27) trans-1,2-dichloroethene	7.73	61	2094	0.57	ug/L		88
28) di-isopropyl ether	8.28	45	6563	0.85	ug/L	#	55
29) ethyl tert-butyl ether	8.74	59	5651	0.78	ug/L		98
31) 1,1-dichloroethane	8.29	63	2569	0.61	ug/L		92
32) chloroprene	8.41	53	2603	0.74	ug/L		93
36) 2,2-dichloropropane	9.03	77	2110	0.55	ug/L		99
37) cis-1,2-dichloroethene	9.03	61	2394	0.59	ug/L		92
40) bromochloromethane	9.35	128	441	0.51	ug/L	#	80
42) chloroform	9.40	83	2390	0.62	ug/L		91
43) tert-Butyl Formate	9.43	59	1144	0.62	ug/L	#	74
48) 1,1,1-trichloroethane	9.65	97	1999	0.58	ug/L		89
49) Cyclohexane	9.73	84	2039	0.54	ug/L		82
50) Tert Amyl Alcohol	9.96	73	429	3.82	ug/L	#	46
51) 2,2,4-trimethylpentane	10.09	57	7582	0.77	ug/L		94
52) tert-amyl methyl ether	10.11	73	5156	0.78	ug/L		91
54) epichlorohydrin	11.72	57	623	4.62	ug/L		88
56) carbon tetrachloride	9.86	117	1582	0.66	ug/L		93
57) 1,1-dichloropropene	9.83	75	1819	0.70	ug/L		93
59) benzene	10.09	78	5437	0.72	ug/L		96
60) heptane	10.26	57	1578	0.96	ug/L		90
62) 1,2-dichloroethane	10.10	62	1862	0.89	ug/L		88
63) trichloroethene	10.81	95	1224	0.68	ug/L		94
65) Tert-Amyl ethyl ether	10.96	87	1893	0.73	ug/L	#	61
66) 2-nitropropane	11.58	41	515	1.02	ug/L	#	41
67) 2-chloroethyl vinyl ether	11.60	63	2548	3.31	ug/L		98
69) 1,2-dichloropropane	11.07	63	1403	0.74	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110761.D
Acq On : 17 Jun 2014 7:12 pm
Operator : prashans
Sample : IC4989-1
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 15:42:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

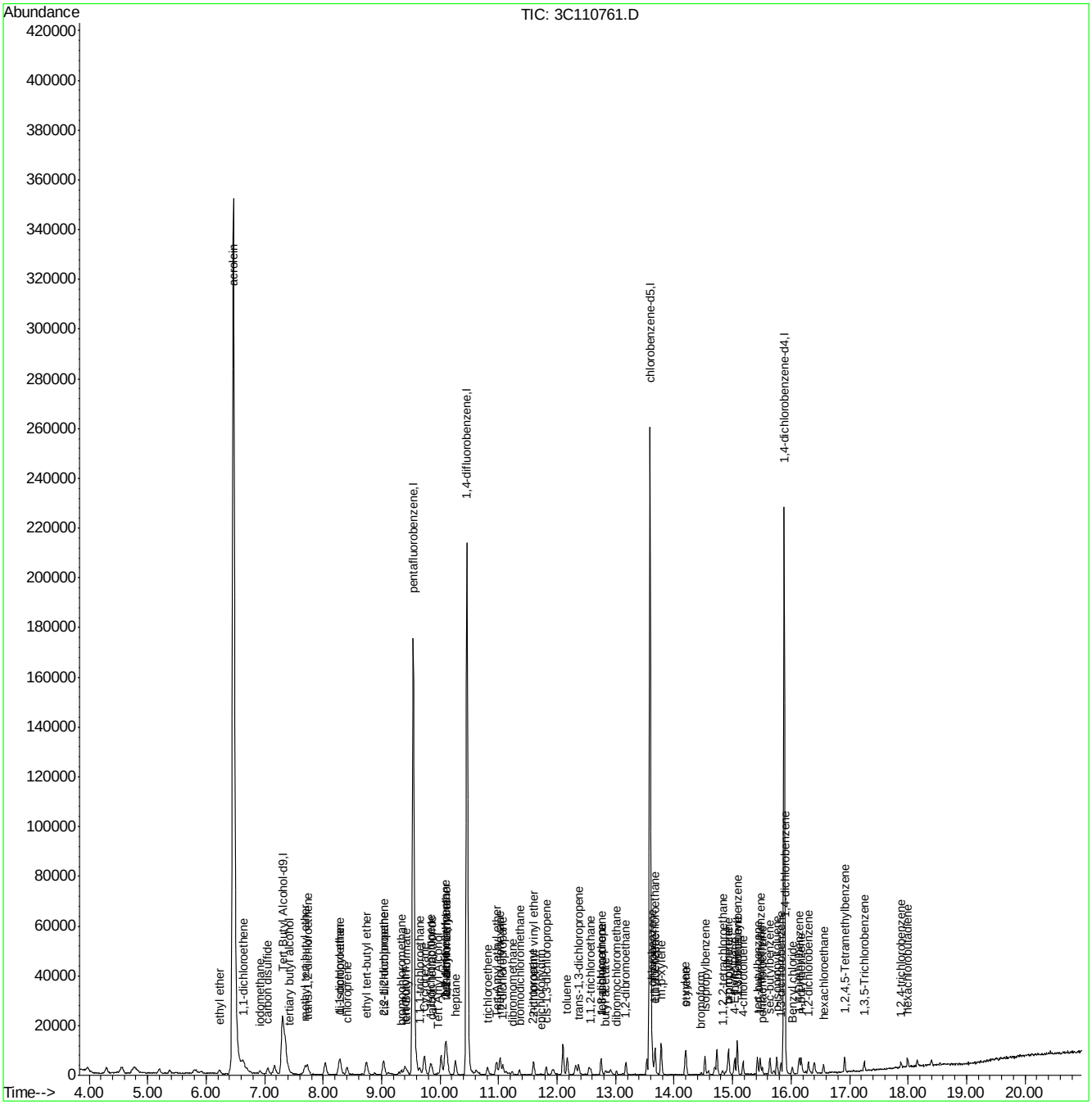
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) methylcyclohexane	11.03	83	2858	0.86	ug/L		86
71) dibromomethane	11.23	93	534	0.65	ug/L		80
72) bromodichloromethane	11.36	83	1473	0.68	ug/L		98
73) cis-1,3-dichloropropene	11.81	75	1899	0.69	ug/L		94
76) toluene	12.17	91	5273	0.71	ug/L		99
78) trans-1,3-dichloropropene	12.37	75	1637	0.70	ug/L		84
80) 1,1,2-trichloroethane	12.57	97	702	0.62	ug/L		83
83) tetrachloroethene	12.76	166	1105	0.74	ug/L		94
84) 1,3-dichloropropane	12.76	76	1465	0.70	ug/L		87
85) butyl acetate	12.83	56	662	0.77	ug/L	#	71
86) dibromochloromethane	13.02	129	818	0.68	ug/L		99
87) 1,2-dibromoethane	13.17	107	630	0.60	ug/L		98
89) chlorobenzene	13.63	112	2937	0.74	ug/L		91
90) 1,1,1,2-tetrachloroethane	13.68	131	905	0.64	ug/L		85
91) ethylbenzene	13.67	91	5339	0.69	ug/L		91
92) m,p-xylene	13.78	106	3648	1.32	ug/L		92
93) o-xylene	14.19	91	4115	0.66	ug/L		94
94) styrene	14.21	104	2379	0.57	ug/L		93
96) bromoform	14.47	173	428	0.63	ug/L		73
98) isopropylbenzene	14.53	105	4710	0.70	ug/L		96
100) bromobenzene	14.93	156	1025	0.78	ug/L	#	84
102) 1,1,2,2-tetrachloroethane	14.83	83	981	0.75	ug/L		88
105) n-propylbenzene	14.93	91	5052	0.67	ug/L		95
106) 4-Ethyltoluene	15.04	105	4598	0.74	ug/L		100
107) 2-chlorotoluene	15.09	126	982	0.68	ug/L	#	85
108) 4-chlorotoluene	15.18	126	1051	0.73	ug/L		63
109) 1,3,5-trimethylbenzene	15.08	105	3821	0.68	ug/L		97
110) tert-butylbenzene	15.43	119	3139	0.66	ug/L		99
111) pentachloroethane	15.50	167	524	0.63	ug/L		86
112) 1,2,4-trimethylbenzene	15.47	105	3595	0.67	ug/L		92
113) sec-butylbenzene	15.63	105	4661	0.67	ug/L		98
114) 1,3-dichlorobenzene	15.82	146	2012	0.78	ug/L		86
115) p-isopropyltoluene	15.75	119	3644	0.65	ug/L		98
116) 1,4-dichlorobenzene	15.91	146	1999	0.80	ug/L		94
117) 1,2-dichlorobenzene	16.30	146	1884	0.81	ug/L		98
118) 1,4-Diethylbenzene	16.14	119	2195	0.67	ug/L		97
119) n-butylbenzene	16.17	92	1822	0.63	ug/L		94
120) 1,2,4,5-Tetramethylbenzene	16.92	119	3433	0.68	ug/L		87
122) 1,3,5-Trichlorobenzene	17.25	180	1345	0.71	ug/L		98
123) 1,2,4-trichlorobenzene	17.88	180	900	0.60	ug/L		93
124) hexachlorobutadiene	17.99	225	853	0.78	ug/L		85
127) hexachloroethane	16.55	119	630	0.60	ug/L		92
128) Benzyl chloride	16.03	91	1887	0.78	ug/L	#	85

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110761.D
Acq On : 17 Jun 2014 7:12 pm
Operator : prashans
Sample : IC4989-1
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 15:42:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110762.D
Acq On : 17 Jun 2014 7:40 pm
Operator : prashans
Sample : IC4989-2
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 15:44:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	40797	500.00	ug/L		0.00
5) pentafluorobenzene	9.54	168	116805	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	156684	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	115241	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	46222	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 59 - 130		Recovery =	0.00%#			
45) 1,2-dichloroethane-d4 (s)	0.00	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 65 - 123		Recovery =	0.00%#			
74) toluene-d8 (s)	12.10	98	9722	1.77	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery =	3.54%#			
99) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 71 - 132		Recovery =	0.00%#			
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	441	37.20	ug/L	#	67
3) tertiary butyl alcohol	7.43	59	1475	9.32	ug/L		83
7) dichlorodifluoromethane	3.98	85	3116	1.13	ug/L		92
8) chloromethane	4.30	50	4502	1.35	ug/L		99
9) vinyl chloride	4.55	62	3487	1.15	ug/L		95
10) bromomethane	5.21	94	1851	1.15	ug/L		98
11) chloroethane	5.38	64	1532	1.06	ug/L		96
14) trichlorofluoromethane	5.81	101	3586	1.12	ug/L		87
15) ethyl ether	6.24	74	1454	1.41	ug/L		87
16) acrolein	6.47	56	225976	732.65	ug/L		100
17) 1,1-dichloroethene	6.64	61	4369	1.36	ug/L		92
19) allyl chloride	7.17	76	1420	1.28	ug/L	#	70
21) iodomethane	6.93	142	3535	1.28	ug/L		98
22) iso-butyl alcohol	9.84	41	1010	18.46	ug/L		91
23) carbon disulfide	7.05	76	8833	1.30	ug/L		91
26) methyl tert butyl ether	7.69	73	7762	1.42	ug/L		96
27) trans-1,2-dichloroethene	7.74	61	4491	1.38	ug/L		89
28) di-isopropyl ether	8.28	45	10721	1.56	ug/L	#	56
29) ethyl tert-butyl ether	8.74	59	9465	1.46	ug/L		93
31) 1,1-dichloroethane	8.30	63	5216	1.38	ug/L		98
32) chloroprene	8.41	53	4348	1.39	ug/L		91
33) acrylonitrile	7.71	53	3925	7.97	ug/L		98
36) 2,2-dichloropropane	9.03	77	4502	1.32	ug/L		94
37) cis-1,2-dichloroethene	9.03	61	5142	1.42	ug/L		97
38) propionitrile	9.11	54	2853	15.12	ug/L		69
40) bromochloromethane	9.34	128	997	1.28	ug/L		85
42) chloroform	9.40	83	4779	1.38	ug/L		90
43) tert-Butyl Formate	9.43	59	2086	1.27	ug/L	#	81
46) freon 113	6.62	151	2055	1.68	ug/L		96
47) methacrylonitrile	9.30	41	1491	1.70	ug/L		91
48) 1,1,1-trichloroethane	9.66	97	4090	1.32	ug/L		99
49) Cyclohexane	9.73	84	4043	1.21	ug/L	#	71
50) Tert Amyl Alcohol	9.96	73	717	7.16	ug/L	#	89

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110762.D
Acq On : 17 Jun 2014 7:40 pm
Operator : prashans
Sample : IC4989-2
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 15:44:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
51) 2,2,4-trimethylpentane	10.09	57	11984	1.37 ug/L		92
52) tert-amyl methyl ether	10.12	73	8264	1.40 ug/L		95
54) epichlorohydrin	11.72	57	1017	8.40 ug/L		88
56) carbon tetrachloride	9.86	117	3432	1.60 ug/L		93
57) 1,1-dichloropropene	9.83	75	3812	1.64 ug/L		94
59) benzene	10.09	78	10991	1.62 ug/L		93
60) heptane	10.26	57	2483	1.69 ug/L		91
62) 1,2-dichloroethane	10.11	62	3718	1.98 ug/L		94
63) trichloroethene	10.81	95	2595	1.62 ug/L		97
64) ethyl acrylate	10.83	55	2223	1.54 ug/L	#	66
65) Tert-Amyl ethyl ether	10.96	87	3484	1.49 ug/L	#	74
66) 2-nitropropane	11.59	41	977	2.16 ug/L		88
67) 2-chloroethyl vinyl ether	11.60	63	4419	6.39 ug/L		96
69) 1,2-dichloropropane	11.07	63	2795	1.64 ug/L		99
70) methylcyclohexane	11.02	83	4465	1.50 ug/L		96
71) dibromomethane	11.23	93	1237	1.68 ug/L		93
72) bromodichloromethane	11.36	83	3121	1.60 ug/L		95
73) cis-1,3-dichloropropene	11.81	75	3660	1.48 ug/L		89
76) toluene	12.17	91	10428	1.56 ug/L		99
78) trans-1,3-dichloropropene	12.37	75	3256	1.56 ug/L		91
80) 1,1,2-trichloroethane	12.57	97	1775	1.75 ug/L		91
83) tetrachloroethene	12.75	166	2245	1.68 ug/L		95
84) 1,3-dichloropropane	12.75	76	3234	1.73 ug/L		93
85) butyl acetate	12.82	56	1143	1.49 ug/L		95
86) dibromochloromethane	13.01	129	1723	1.60 ug/L		91
87) 1,2-dibromoethane	13.17	107	1578	1.70 ug/L		96
89) chlorobenzene	13.62	112	5851	1.67 ug/L		89
90) 1,1,1,2-tetrachloroethane	13.68	131	2074	1.65 ug/L		96
91) ethylbenzene	13.67	91	10712	1.57 ug/L		96
92) m,p-xylene	13.78	106	7635	3.11 ug/L		99
93) o-xylene	14.19	91	8567	1.54 ug/L		92
94) styrene	14.21	104	5095	1.37 ug/L		99
96) bromoform	14.46	173	1030	1.71 ug/L		82
98) isopropylbenzene	14.53	105	9646	1.59 ug/L		98
100) bromobenzene	14.92	156	2089	1.78 ug/L		86
102) 1,1,2,2-tetrachloroethane	14.83	83	1996	1.70 ug/L		95
105) n-propylbenzene	14.93	91	10772	1.59 ug/L		98
106) 4-Ethyltoluene	15.04	105	8532	1.53 ug/L		96
107) 2-chlorotoluene	15.08	126	2236	1.72 ug/L		98
108) 4-chlorotoluene	15.18	126	2113	1.64 ug/L		96
109) 1,3,5-trimethylbenzene	15.08	105	8001	1.60 ug/L		99
110) tert-butylbenzene	15.43	119	6540	1.54 ug/L		95
111) pentachloroethane	15.51	167	1227	1.64 ug/L		92
112) 1,2,4-trimethylbenzene	15.47	105	7403	1.54 ug/L		94
113) sec-butylbenzene	15.64	105	9691	1.56 ug/L		97
114) 1,3-dichlorobenzene	15.83	146	3917	1.69 ug/L		97
115) p-isopropyltoluene	15.75	119	7538	1.49 ug/L		92
116) 1,4-dichlorobenzene	15.91	146	3753	1.66 ug/L		91
117) 1,2-dichlorobenzene	16.29	146	3603	1.73 ug/L		96
118) 1,4-Diethylbenzene	16.14	119	4147	1.41 ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110762.D
Acq On : 17 Jun 2014 7:40 pm
Operator : prashans
Sample : IC4989-2
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 15:44:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
119) n-butylbenzene	16.17	92	3904	1.51	ug/L	94
120) 1,2,4,5-Tetramethylbenzene	16.92	119	6191	1.37	ug/L	99
122) 1,3,5-Trichlorobenzene	17.25	180	2761	1.63	ug/L	99
123) 1,2,4-trichlorobenzene	17.88	180	1835	1.36	ug/L	96
124) hexachlorobutadiene	17.99	225	1700	1.73	ug/L	100
127) hexachloroethane	16.55	119	1413	1.50	ug/L	94
128) Benzyl chloride	16.03	91	3067	1.42	ug/L	97

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

7.6.4

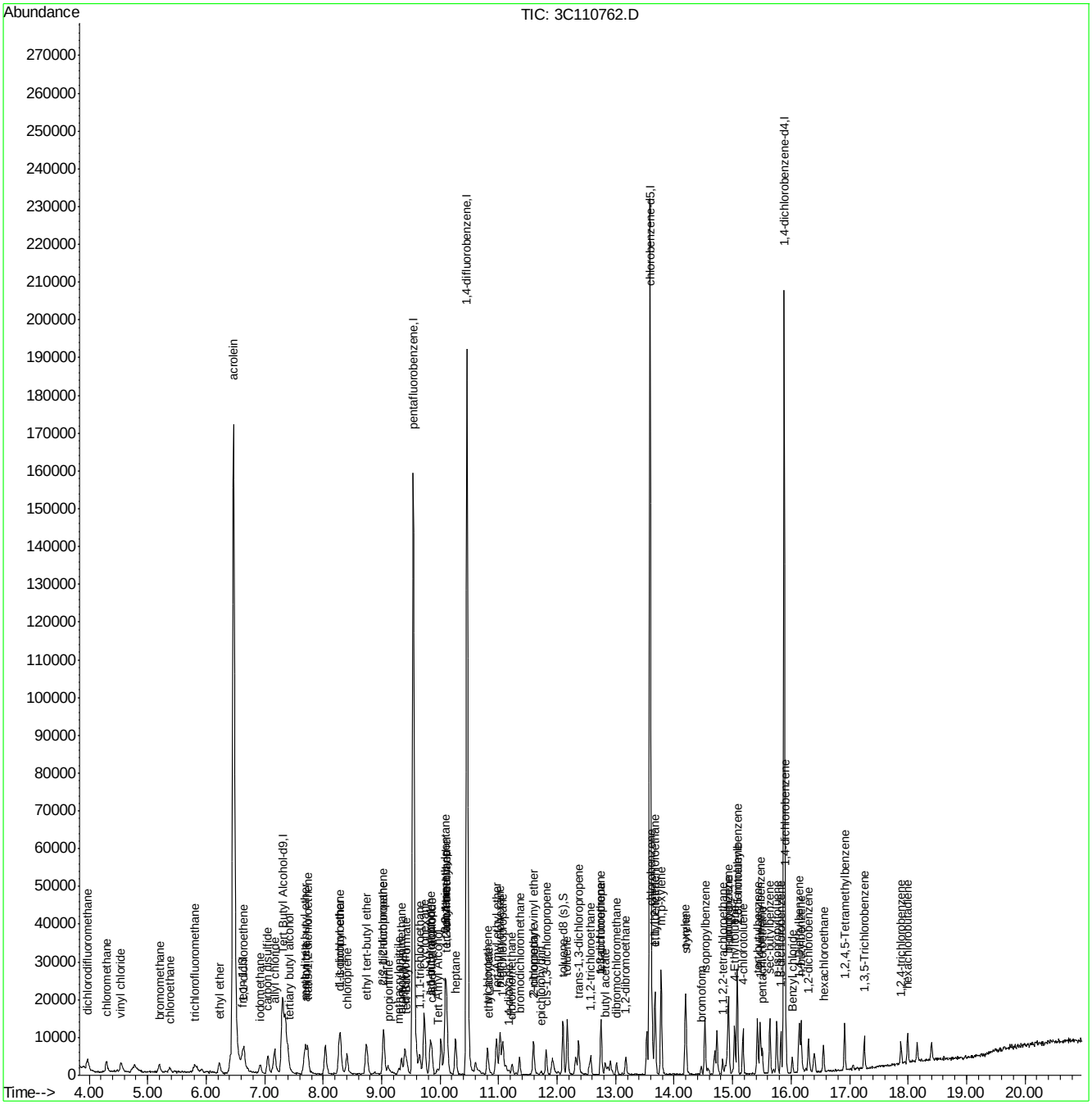
7

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110762.D
Acq On : 17 Jun 2014 7:40 pm
Operator : prashans
Sample : IC4989-2
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 15:44:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110763.D
Acq On : 17 Jun 2014 8:07 pm
Operator : prashans
Sample : IC4989-5
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 15:55:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:46:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	48523	500.00	ug/L		0.00
5) pentafluorobenzene	9.54	168	130380	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	178175	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	128732	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	52641	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	9.59	113	6282	2.59	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery =	5.18%#			
45) 1,2-dichloroethane-d4 (s)	10.01	65	9812	2.42	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery =	4.84%#			
74) toluene-d8 (s)	12.10	98	22013	3.23	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery =	6.46%#			
99) 4-bromofluorobenzene (s)	14.73	95	8342	2.48	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery =	4.96%#			
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	1210	118.66	ug/L	#	97
3) tertiary butyl alcohol	7.43	59	3881	24.07	ug/L		94
6) chlorodifluoromethane	3.97	51	8289	4.76	ug/L		96
7) dichlorodifluoromethane	3.97	85	9359	5.16	ug/L		95
8) chloromethane	4.30	50	11066	4.92	ug/L		99
9) vinyl chloride	4.55	62	9299	5.02	ug/L		96
10) bromomethane	5.21	94	4899	5.12	ug/L		96
11) chloroethane	5.38	64	4359	5.16	ug/L		88
14) trichlorofluoromethane	5.80	101	9721	4.99	ug/L		95
15) ethyl ether	6.23	74	3535	4.65	ug/L		91
16) acrolein	6.48	56	12148	48.01	ug/L		97
17) 1,1-dichloroethene	6.65	61	11376	4.89	ug/L		98
18) acetone	6.71	58	784	4.77	ug/L	#	53
19) allyl chloride	7.17	76	3484	4.61	ug/L		95
20) acetonitrile	7.14	40	5972	43.04	ug/L	#	90
21) iodomethane	6.92	142	8934	4.87	ug/L		98
22) iso-butyl alcohol	9.84	41	2159	22.06	ug/L		89
23) carbon disulfide	7.06	76	22673	4.78	ug/L		97
24) methylene chloride	7.36	84	8422	2.36	ug/L		95
25) methyl acetate	7.18	74	697	3.78	ug/L	#	75
26) methyl tert butyl ether	7.69	73	20343	4.65	ug/L		98
27) trans-1,2-dichloroethene	7.74	61	11295	4.71	ug/L		94
28) di-isopropyl ether	8.28	45	28039	4.67	ug/L	#	57
29) ethyl tert-butyl ether	8.74	59	24501	4.59	ug/L		99
30) 2-butanone	9.03	72	673	4.32	ug/L	#	87
31) 1,1-dichloroethane	8.30	63	13923	4.93	ug/L		99
32) chloroprene	8.41	53	11375	4.73	ug/L		96
33) acrylonitrile	7.68	53	10506	25.03	ug/L		95
35) ethyl acetate	9.02	45	722	3.79	ug/L	#	1
36) 2,2-dichloropropane	9.03	77	11305	4.78	ug/L		99
37) cis-1,2-dichloroethene	9.03	61	13582	4.87	ug/L		98
38) propionitrile	9.10	54	7754	47.60	ug/L		82
39) Methyl Acrylate	9.11	85	433	2.97	ug/L	#	2

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110763.D
Acq On : 17 Jun 2014 8:07 pm
Operator : prashans
Sample : IC4989-5
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 15:55:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:46:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) bromochloromethane	9.34	128	2790	4.95	ug/L	#	82
41) tetrahydrofuran	9.38	72	678	4.24	ug/L	#	82
42) chloroform	9.39	83	12072	4.53	ug/L		97
43) tert-Butyl Formate	9.43	59	5412	4.64	ug/L	#	86
46) freon 113	6.63	151	4434	4.41	ug/L		90
47) methacrylonitrile	9.28	41	3725	4.39	ug/L		89
48) 1,1,1-trichloroethane	9.65	97	10796	4.94	ug/L		99
49) Cyclohexane	9.72	84	10217	4.77	ug/L		98
50) Tert Amyl Alcohol	9.96	73	1880	23.56	ug/L	#	74
51) 2,2,4-trimethylpentane	10.09	57	31703	4.71	ug/L		100
52) tert-amyl methyl ether	10.12	73	20464	4.34	ug/L		95
54) epichlorohydrin	11.72	57	2625	21.03	ug/L		94
55) n-butyl alcohol	10.59	56	7961	150.89	ug/L		96
56) carbon tetrachloride	9.86	117	9020	4.89	ug/L		100
57) 1,1-dichloropropene	9.83	75	9357	4.63	ug/L		98
58) hexane	8.04	57	10771	2.49	ug/L		95
59) benzene	10.09	78	28802	4.85	ug/L		100
60) heptane	10.26	57	6450	3.29	ug/L		96
61) isopropyl acetate	10.01	87	1075	2.67	ug/L	#	56
62) 1,2-dichloroethane	10.10	62	9649	4.88	ug/L		98
63) trichloroethene	10.81	95	6498	4.76	ug/L		98
64) ethyl acrylate	10.81	55	6343	4.46	ug/L		96
65) Tert-Amyl ethyl ether	10.96	87	9407	4.77	ug/L		92
66) 2-nitropropane	11.57	41	2279	4.35	ug/L		95
67) 2-chloroethyl vinyl ether	11.59	63	11603	21.81	ug/L		96
68) methyl methacrylate	11.07	100	985	3.80	ug/L	#	95
69) 1,2-dichloropropane	11.07	63	7620	4.82	ug/L		99
70) methylcyclohexane	11.03	83	11846	4.75	ug/L		89
71) dibromomethane	11.23	93	3350	4.82	ug/L		95
72) bromodichloromethane	11.36	83	8401	4.74	ug/L		95
73) cis-1,3-dichloropropene	11.81	75	10240	4.76	ug/L		98
75) 4-methyl-2-pentanone	11.90	58	1893	4.20	ug/L		99
76) toluene	12.17	91	26918	4.52	ug/L		96
77) 3-methyl-1-butanol	11.93	70	2302	67.36	ug/L		86
78) trans-1,3-dichloropropene	12.37	75	8942	4.62	ug/L		88
79) ethyl methacrylate	12.36	69	6003	4.37	ug/L		93
80) 1,1,2-trichloroethane	12.57	97	4205	4.67	ug/L		98
81) 2-hexanone	12.75	58	1681	4.15	ug/L		96
83) tetrachloroethene	12.75	166	5841	4.94	ug/L		91
84) 1,3-dichloropropane	12.75	76	8244	4.82	ug/L		99
85) butyl acetate	12.83	56	3253	4.36	ug/L	#	82
86) dibromochloromethane	13.01	129	4783	4.85	ug/L		92
87) 1,2-dibromoethane	13.17	107	3883	4.68	ug/L		92
88) 3,3-Dimethyl-1-Butanol	12.91	57	4350	37.07	ug/L	#	96
89) chlorobenzene	13.62	112	14618	4.58	ug/L		96
90) 1,1,1,2-tetrachloroethane	13.68	131	5128	4.80	ug/L		94
91) ethylbenzene	13.67	91	28164	4.81	ug/L		99
92) m,p-xylene	13.78	106	19707	9.68	ug/L		99
93) o-xylene	14.19	91	22333	4.82	ug/L		98
94) styrene	14.20	104	13586	4.67	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110763.D
Acq On : 17 Jun 2014 8:07 pm
Operator : prashans
Sample : IC4989-5
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 15:55:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:46:40 2014
Response via : Initial Calibration

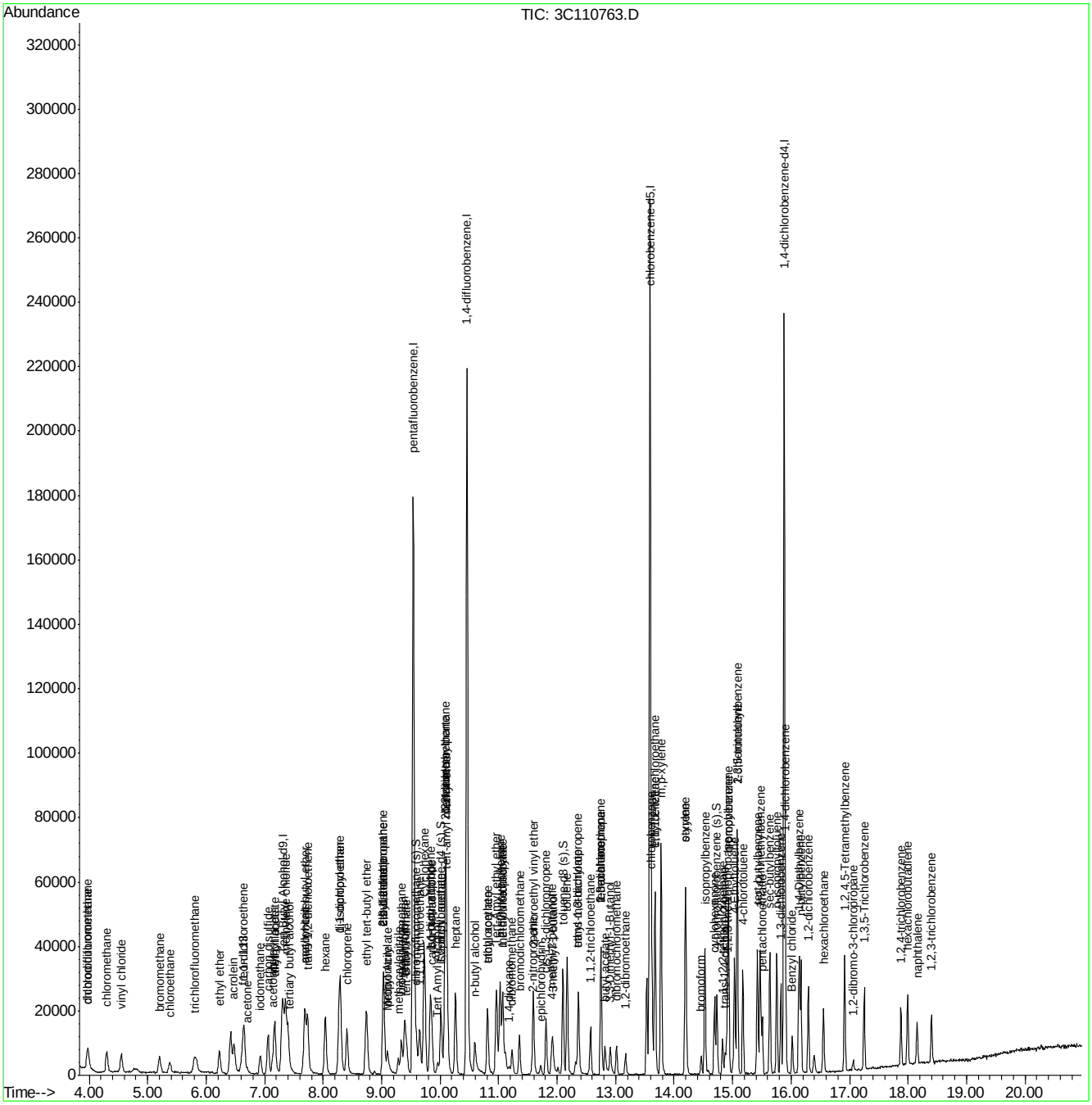
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) bromoform	14.46	173	2641	4.51	ug/L	97
98) isopropylbenzene	14.53	105	25493	4.89	ug/L	100
100) bromobenzene	14.93	156	5391	4.94	ug/L	93
101) cyclohexanone	14.69	55	10611	49.48	ug/L	96
102) 1,1,2,2-tetrachloroethane	14.83	83	5353	4.70	ug/L	87
103) trans-1,4-dichloro-2-buten	14.87	53	1401	3.94	ug/L	98
104) 1,2,3-trichloropropane	14.91	110	1307	4.67	ug/L	84
105) n-propylbenzene	14.93	91	28683	4.94	ug/L	100
106) 4-Ethyltoluene	15.03	105	22943	4.93	ug/L	96
107) 2-chlorotoluene	15.08	126	5693	5.05	ug/L	91
108) 4-chlorotoluene	15.18	126	5536	4.84	ug/L	98
109) 1,3,5-trimethylbenzene	15.08	105	21042	4.87	ug/L	98
110) tert-butylbenzene	15.43	119	17269	4.90	ug/L	90
111) pentachloroethane	15.51	167	3272	5.02	ug/L	92
112) 1,2,4-trimethylbenzene	15.47	105	20091	4.76	ug/L	95
113) sec-butylbenzene	15.64	105	26054	4.92	ug/L	97
114) 1,3-dichlorobenzene	15.83	146	10393	4.83	ug/L	97
115) p-isopropyltoluene	15.75	119	20189	4.79	ug/L	99
116) 1,4-dichlorobenzene	15.91	146	10210	4.72	ug/L	99
117) 1,2-dichlorobenzene	16.29	146	9366	4.68	ug/L	97
118) 1,4-Diethylbenzene	16.14	119	11349	4.87	ug/L	98
119) n-butylbenzene	16.16	92	10697	4.81	ug/L	97
120) 1,2,4,5-Tetramethylbenzene	16.92	119	17534	4.82	ug/L	99
121) 1,2-dibromo-3-chloropropan	17.06	157	732	4.19	ug/L	95
122) 1,3,5-Trichlorobenzene	17.25	180	7440	4.77	ug/L	98
123) 1,2,4-trichlorobenzene	17.88	180	5267	4.60	ug/L	96
124) hexachlorobutadiene	17.99	225	4588	4.89	ug/L	96
125) naphthalene	18.16	128	9277	4.01	ug/L	97
126) 1,2,3-trichlorobenzene	18.40	180	4653	4.45	ug/L	98
127) hexachloroethane	16.55	119	3805	4.95	ug/L	98
128) Benzyl chloride	16.02	91	8403	4.31	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110763.D
Acq On : 17 Jun 2014 8:07 pm
Operator : prashans
Sample : IC4989-5
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 15:55:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:46:40 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110764.D
Acq On : 17 Jun 2014 8:35 pm
Operator : prashans
Sample : IC4989-10
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 15:55:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	44536	500.00	ug/L		0.00
5) pentafluorobenzene	9.54	168	121212	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	164880	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	120084	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	50000	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	9.59	113	12002	6.56	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 13.12%#				
45) 1,2-dichloroethane-d4 (s)	10.01	65	17404	8.07	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 16.14%#				
74) toluene-d8 (s)	12.09	98	44698	7.74	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 15.48%#				
99) 4-bromofluorobenzene (s)	14.73	95	16528	8.64	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 17.28%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	2540	196.25	ug/L	#	75
3) tertiary butyl alcohol	7.42	59	7803	45.16	ug/L		94
6) chlorodifluoromethane	3.97	51	15770	7.40	ug/L		94
7) dichlorodifluoromethane	3.97	85	18230	6.35	ug/L		96
8) chloromethane	4.29	50	22476	6.48	ug/L		98
9) vinyl chloride	4.54	62	18632	5.91	ug/L		97
10) bromomethane	5.20	94	10033	5.99	ug/L		98
11) chloroethane	5.37	64	8957	5.97	ug/L		95
14) trichlorofluoromethane	5.80	101	20445	6.16	ug/L		97
15) ethyl ether	6.22	74	7398	6.93	ug/L		87
16) acrolein	6.47	56	22090	69.01	ug/L		97
17) 1,1-dichloroethene	6.64	61	23392	7.02	ug/L		94
18) acetone	6.70	58	1398	8.81	ug/L		91
19) allyl chloride	7.16	76	7311	6.38	ug/L	#	59
20) acetonitrile	7.12	40	12553	80.27	ug/L		89
21) iodomethane	6.92	142	18504	6.44	ug/L		94
22) iso-butyl alcohol	9.83	41	4669	82.23	ug/L		93
23) carbon disulfide	7.05	76	46224	6.56	ug/L		96
24) methylene chloride	7.35	84	15839	7.68	ug/L		87
25) methyl acetate	7.16	74	1681	7.98	ug/L	#	54
26) methyl tert butyl ether	7.68	73	41353	7.27	ug/L		95
27) trans-1,2-dichloroethene	7.73	61	23862	7.07	ug/L		96
28) di-isopropyl ether	8.27	45	58175	8.15	ug/L	#	71
29) ethyl tert-butyl ether	8.74	59	51502	7.66	ug/L		98
30) 2-butanone	9.02	72	1235	6.96	ug/L	#	6
31) 1,1-dichloroethane	8.29	63	28161	7.19	ug/L		97
32) chloroprene	8.40	53	24167	7.44	ug/L		95
33) acrylonitrile	7.68	53	21214	41.51	ug/L		98
34) vinyl acetate	8.29	86	1636	6.03	ug/L		93
35) ethyl acetate	9.02	45	1712	8.40	ug/L	#	1
36) 2,2-dichloropropane	9.03	77	23730	6.73	ug/L		98
37) cis-1,2-dichloroethene	9.03	61	28192	7.51	ug/L		96
38) propionitrile	9.09	54	16718	85.40	ug/L		74

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110764.D
Acq On : 17 Jun 2014 8:35 pm
Operator : prashans
Sample : IC4989-10
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 15:55:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.11	85	1152	7.22	ug/L	#	38
40) bromochloromethane	9.34	128	5709	7.08	ug/L		89
41) tetrahydrofuran	9.38	72	1388	6.98	ug/L	#	65
42) chloroform	9.39	83	25129	7.01	ug/L		97
43) tert-Butyl Formate	9.42	59	10525	6.19	ug/L	#	84
46) freon 113	6.62	151	8686	6.85	ug/L		98
47) methacrylonitrile	9.28	41	7505	8.24	ug/L		86
48) 1,1,1-trichloroethane	9.65	97	21853	6.80	ug/L		95
49) Cyclohexane	9.72	84	21839	6.29	ug/L		78
50) Tert Amyl Alcohol	9.96	73	3461	33.32	ug/L	#	86
51) 2,2,4-trimethylpentane	10.09	57	67367	7.41	ug/L		93
52) tert-amyl methyl ether	10.12	73	43037	7.01	ug/L		95
54) epichlorohydrin	11.71	57	5743	45.05	ug/L		99
55) n-butyl alcohol	10.59	56	16075	405.26	ug/L		89
56) carbon tetrachloride	9.86	117	18273	8.09	ug/L		99
57) 1,1-dichloropropene	9.82	75	20080	8.21	ug/L		94
58) hexane	8.03	57	22882	9.83	ug/L		93
59) benzene	10.09	78	58474	8.19	ug/L		97
60) heptane	10.26	57	13591	8.78	ug/L		93
61) isopropyl acetate	10.01	87	2131	7.83	ug/L	#	40
62) 1,2-dichloroethane	10.10	62	19540	9.88	ug/L		97
63) trichloroethene	10.80	95	13350	7.90	ug/L		100
64) ethyl acrylate	10.81	55	13482	8.90	ug/L		99
65) Tert-Amyl ethyl ether	10.96	87	19154	7.78	ug/L	#	88
66) 2-nitropropane	11.57	41	4539	9.53	ug/L		98
67) 2-chloroethyl vinyl ether	11.59	63	25341	34.84	ug/L		100
68) methyl methacrylate	11.07	100	2234	7.48	ug/L	#	78
69) 1,2-dichloropropane	11.06	63	15618	8.72	ug/L		95
70) methylcyclohexane	11.03	83	24913	7.96	ug/L		93
71) dibromomethane	11.23	93	6689	8.63	ug/L		97
72) bromodichloromethane	11.35	83	17515	8.54	ug/L		98
73) cis-1,3-dichloropropene	11.81	75	21345	8.20	ug/L		87
75) 4-methyl-2-pentanone	11.90	58	4250	8.77	ug/L	#	86
76) toluene	12.17	91	54016	7.67	ug/L		99
77) 3-methyl-1-butanol	11.92	70	5265	145.34	ug/L	#	78
78) trans-1,3-dichloropropene	12.36	75	18916	8.62	ug/L		83
79) ethyl methacrylate	12.36	69	13327	7.69	ug/L		86
80) 1,1,2-trichloroethane	12.57	97	8834	8.27	ug/L		97
81) 2-hexanone	12.75	58	4014	9.34	ug/L		93
83) tetrachloroethene	12.75	166	11881	8.52	ug/L		89
84) 1,3-dichloropropane	12.75	76	17019	8.76	ug/L		98
85) butyl acetate	12.82	56	7029	8.82	ug/L		91
86) dibromochloromethane	13.02	129	9734	8.67	ug/L		94
87) 1,2-dibromoethane	13.17	107	8172	8.43	ug/L		98
88) 3,3-Dimethyl-1-Butanol	12.91	57	9810	73.78	ug/L	#	96
89) chlorobenzene	13.62	112	29743	8.13	ug/L		97
90) 1,1,1,2-tetrachloroethane	13.68	131	10543	8.04	ug/L		97
91) ethylbenzene	13.67	91	56955	7.99	ug/L		96
92) m,p-xylene	13.78	106	40264	15.72	ug/L		98
93) o-xylene	14.19	91	46279	8.00	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110764.D
Acq On : 17 Jun 2014 8:35 pm
Operator : prashans
Sample : IC4989-10
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 15:55:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

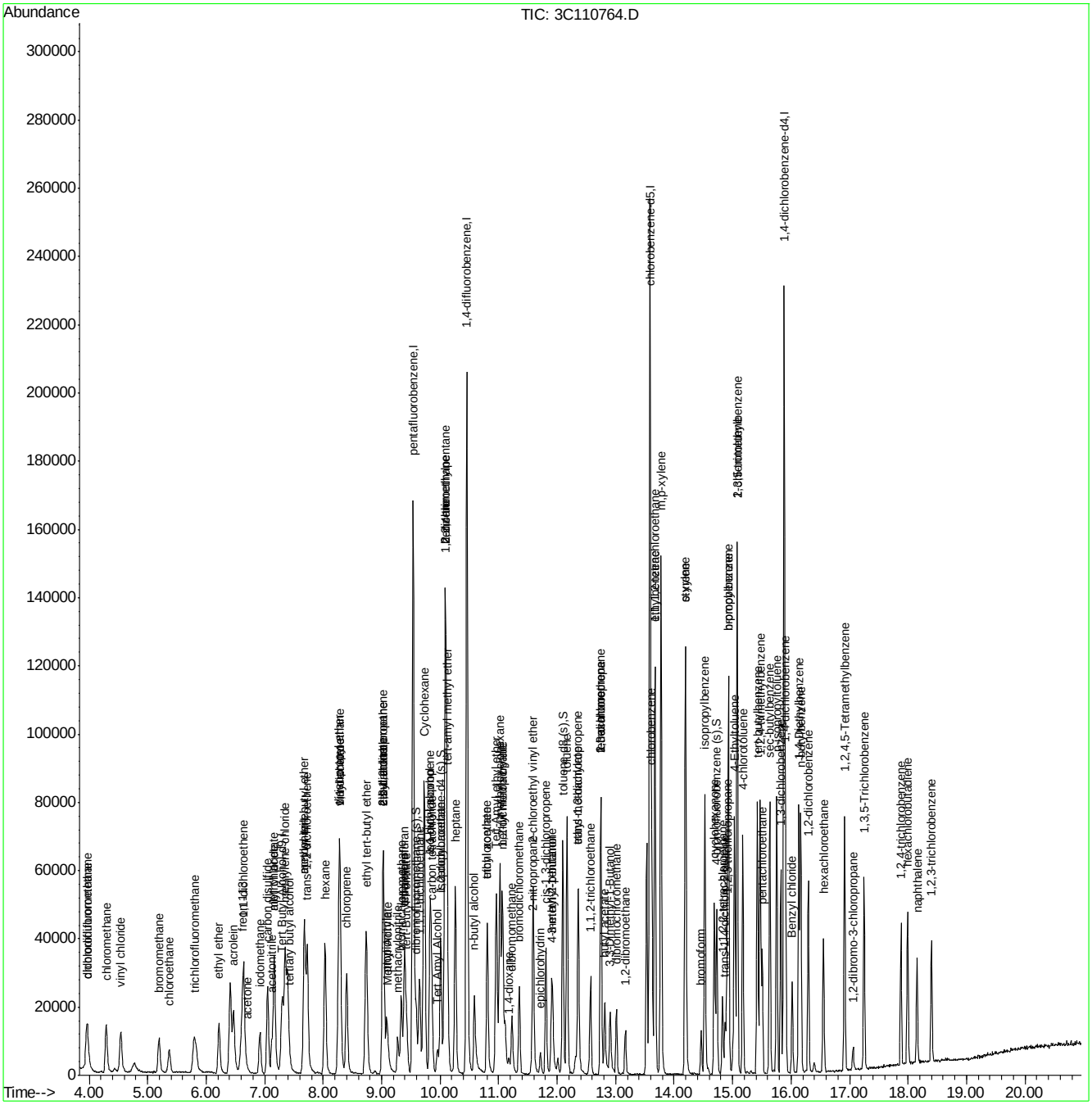
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	29121	7.51	ug/L	96
96) bromoform	14.46	173	5500	8.75	ug/L	92
98) isopropylbenzene	14.53	105	51859	7.92	ug/L	98
100) bromobenzene	14.92	156	11284	8.88	ug/L	97
101) cyclohexanone	14.69	55	21331	102.07	ug/L	97
102) 1,1,2,2-tetrachloroethane	14.83	83	11180	8.81	ug/L	98
103) trans-1,4-dichloro-2-buten	14.87	53	3316	9.54	ug/L	99
104) 1,2,3-trichloropropane	14.90	110	2761	9.12	ug/L	98
105) n-propylbenzene	14.93	91	59286	8.08	ug/L	100
106) 4-Ethyltoluene	15.03	105	46431	7.69	ug/L	100
107) 2-chlorotoluene	15.08	126	11942	8.48	ug/L	97
108) 4-chlorotoluene	15.17	126	11445	8.19	ug/L	99
109) 1,3,5-trimethylbenzene	15.08	105	45592	8.40	ug/L	98
110) tert-butylbenzene	15.43	119	35985	7.83	ug/L	94
111) pentachloroethane	15.51	167	6469	8.00	ug/L	94
112) 1,2,4-trimethylbenzene	15.47	105	41614	8.02	ug/L	98
113) sec-butylbenzene	15.64	105	53985	8.03	ug/L	99
114) 1,3-dichlorobenzene	15.82	146	21115	8.42	ug/L	97
115) p-isopropyltoluene	15.75	119	43331	7.92	ug/L	97
116) 1,4-dichlorobenzene	15.91	146	20704	8.49	ug/L	99
117) 1,2-dichlorobenzene	16.29	146	19605	8.72	ug/L	95
118) 1,4-Diethylbenzene	16.13	119	24509	7.73	ug/L	98
119) n-butylbenzene	16.16	92	22899	8.18	ug/L	99
120) 1,2,4,5-Tetramethylbenzene	16.92	119	37486	7.64	ug/L	100
121) 1,2-dibromo-3-chloropropan	17.06	157	1630	8.50	ug/L	92
122) 1,3,5-Trichlorobenzene	17.25	180	16103	8.80	ug/L	98
123) 1,2,4-trichlorobenzene	17.88	180	11781	8.10	ug/L	99
124) hexachlorobutadiene	17.99	225	9736	9.16	ug/L	97
125) naphthalene	18.16	128	22035	7.85	ug/L	98
126) 1,2,3-trichlorobenzene	18.40	180	10557	8.22	ug/L	93
127) hexachloroethane	16.55	119	7551	7.41	ug/L	96
128) Benzyl chloride	16.02	91	18846	8.05	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110764.D
Acq On : 17 Jun 2014 8:35 pm
Operator : prashans
Sample : IC4989-10
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 15:55:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110765.D
Acq On : 17 Jun 2014 9:03 pm
Operator : prashans
Sample : IC4989-20
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 15:55:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	55046	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	134019	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	182807	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	135615	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	56313	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	57469	28.42	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 56.84%#			
45) 1,2-dichloroethane-d4 (s)	10.01	65	83136	34.85	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 69.70%			
74) toluene-d8 (s)	12.09	98	226164	35.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 70.66%#			
99) 4-bromofluorobenzene (s)	14.73	95	81764	37.93	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 75.86%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.18	88	5753	359.62	ug/L #	80
3) tertiary butyl alcohol	7.42	59	17318	81.09	ug/L	83
6) chlorodifluoromethane	3.97	51	32468	13.77	ug/L	99
7) dichlorodifluoromethane	3.97	85	37094	11.68	ug/L	98
8) chloromethane	4.30	50	43885	11.45	ug/L	98
9) vinyl chloride	4.55	62	36992	10.61	ug/L	100
10) bromomethane	5.19	94	19143	10.34	ug/L	98
11) chloroethane	5.37	64	17401	10.50	ug/L	94
14) trichlorofluoromethane	5.80	101	39513	10.76	ug/L	98
15) ethyl ether	6.22	74	15966	13.54	ug/L	82
16) acrolein	6.47	56	49791	140.69	ug/L	99
17) 1,1-dichloroethene	6.64	61	48181	13.09	ug/L	96
18) acetone	6.69	58	3578	20.39	ug/L	93
19) allyl chloride	7.17	76	15502	12.23	ug/L	59
20) acetonitrile	7.11	40	25638	211.41	ug/L	94
21) iodomethane	6.92	142	38298	12.05	ug/L	96
22) iso-butyl alcohol	9.82	41	10546	167.99	ug/L	95
23) carbon disulfide	7.05	76	94586	12.14	ug/L	95
24) methylene chloride	7.35	84	30876	13.54	ug/L	85
25) methyl acetate	7.15	74	3704	15.90	ug/L #	57
26) methyl tert butyl ether	7.68	73	87292	13.88	ug/L	97
27) trans-1,2-dichloroethene	7.73	61	50088	13.41	ug/L	91
28) di-isopropyl ether	8.27	45	123449	15.64	ug/L	89
29) ethyl tert-butyl ether	8.74	59	109176	14.69	ug/L	95
30) 2-butanone	8.99	72	3291	16.76	ug/L	48
31) 1,1-dichloroethane	8.29	63	58837	13.59	ug/L	99
32) chloroprene	8.40	53	50696	14.12	ug/L	93
33) acrylonitrile	7.67	53	49442	87.50	ug/L	99
34) vinyl acetate	8.28	86	4144	13.82	ug/L	52
35) ethyl acetate	9.01	45	3749	16.65	ug/L	46
36) 2,2-dichloropropane	9.02	77	49626	12.73	ug/L	98
37) cis-1,2-dichloroethene	9.02	61	59312	14.29	ug/L	91
38) propionitrile	9.08	54	37640	173.90	ug/L	78

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110765.D
Acq On : 17 Jun 2014 9:03 pm
Operator : prashans
Sample : IC4989-20
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 15:55:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	2988	14.42	ug/L		66
40) bromochloromethane	9.33	128	11911	13.35	ug/L	#	82
41) tetrahydrofuran	9.38	72	3271	14.88	ug/L	#	75
42) chloroform	9.39	83	51851	13.09	ug/L		97
43) tert-Butyl Formate	9.42	59	24659	13.11	ug/L	#	83
46) freon 113	6.61	151	17248	12.30	ug/L		96
47) methacrylonitrile	9.27	41	17143	17.03	ug/L		86
48) 1,1,1-trichloroethane	9.65	97	44795	12.61	ug/L		92
49) Cyclohexane	9.72	84	43881	11.43	ug/L	#	73
50) Tert Amyl Alcohol	9.94	73	7675	66.83	ug/L	#	61
51) 2,2,4-trimethylpentane	10.09	57	136451	13.57	ug/L		94
52) tert-amyl methyl ether	10.12	73	89935	13.25	ug/L		95
54) epichlorohydrin	11.71	57	12544	88.76	ug/L		99
55) n-butyl alcohol	10.58	56	40261	915.47	ug/L		85
56) carbon tetrachloride	9.86	117	37545	15.00	ug/L		99
57) 1,1-dichloropropene	9.83	75	40728	15.01	ug/L		97
58) hexane	8.03	57	46530	18.02	ug/L		93
59) benzene	10.09	78	120582	15.23	ug/L		97
60) heptane	10.26	57	28009	16.32	ug/L		97
61) isopropyl acetate	10.00	87	5106	16.92	ug/L	#	55
62) 1,2-dichloroethane	10.10	62	41734	19.03	ug/L		99
63) trichloroethene	10.80	95	28298	15.10	ug/L		97
64) ethyl acrylate	10.80	55	32803	19.52	ug/L		97
65) Tert-Amyl ethyl ether	10.96	87	40544	14.84	ug/L	#	89
66) 2-nitropropane	11.57	41	10561	20.00	ug/L		98
67) 2-chloroethyl vinyl ether	11.59	63	57191	70.92	ug/L		99
68) methyl methacrylate	11.07	100	5266	15.90	ug/L	#	67
69) 1,2-dichloropropane	11.06	63	33105	16.67	ug/L		97
70) methylcyclohexane	11.02	83	49352	14.22	ug/L		93
71) dibromomethane	11.23	93	14659	17.06	ug/L		95
72) bromodichloromethane	11.35	83	37638	16.56	ug/L		96
73) cis-1,3-dichloropropene	11.81	75	47237	16.36	ug/L		91
75) 4-methyl-2-pentanone	11.89	58	9920	18.47	ug/L	#	85
76) toluene	12.17	91	114451	14.66	ug/L		100
77) 3-methyl-1-butanol	11.92	70	13041	324.70	ug/L	#	79
78) trans-1,3-dichloropropene	12.36	75	41565	17.07	ug/L		84
79) ethyl methacrylate	12.35	69	31389	16.33	ug/L		88
80) 1,1,2-trichloroethane	12.57	97	19264	16.26	ug/L		98
81) 2-hexanone	12.74	58	8636	18.13	ug/L	#	82
83) tetrachloroethene	12.75	166	24562	15.60	ug/L		97
84) 1,3-dichloropropane	12.75	76	37165	16.94	ug/L		97
85) butyl acetate	12.82	56	15885	17.65	ug/L		86
86) dibromochloromethane	13.01	129	21077	16.63	ug/L		97
87) 1,2-dibromoethane	13.17	107	17957	16.40	ug/L		97
88) 3,3-Dimethyl-1-Butanol	12.91	57	23975	159.67	ug/L		96
89) chlorobenzene	13.62	112	62791	15.19	ug/L		98
90) 1,1,1,2-tetrachloroethane	13.68	131	22342	15.08	ug/L		98
91) ethylbenzene	13.67	91	119517	14.85	ug/L		98
92) m,p-xylene	13.78	106	85423	29.52	ug/L		99
93) o-xylene	14.19	91	97673	14.95	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110765.D
Acq On : 17 Jun 2014 9:03 pm
Operator : prashans
Sample : IC4989-20
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 15:55:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

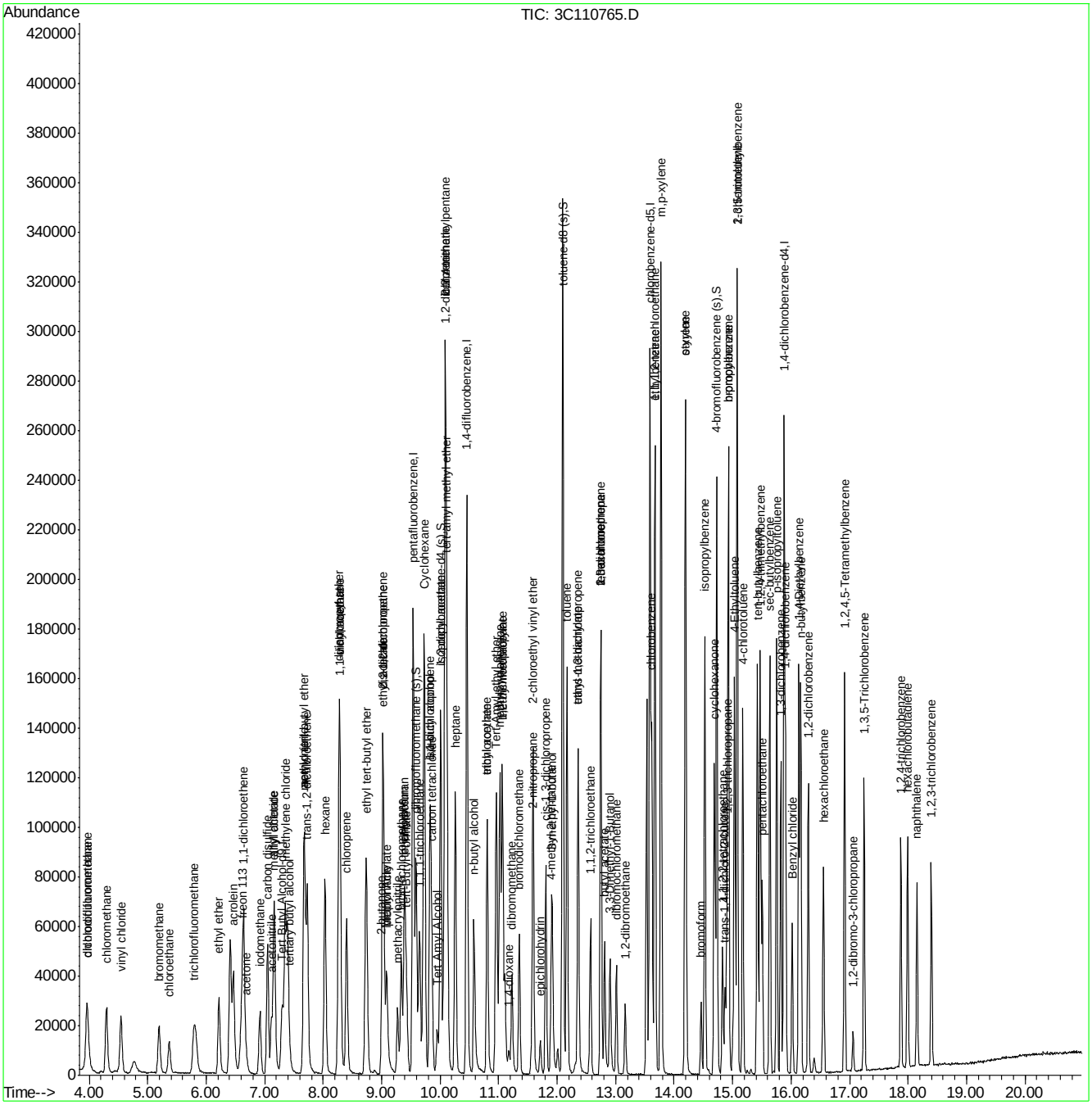
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	64235	14.67	ug/L	98
96) bromoform	14.46	173	12445	17.53	ug/L	99
98) isopropylbenzene	14.53	105	108650	14.74	ug/L	97
100) bromobenzene	14.92	156	23603	16.49	ug/L	95
101) cyclohexanone	14.69	55	52404	222.63	ug/L	95
102) 1,1,2,2-tetrachloroethane	14.83	83	24866	17.39	ug/L	97
103) trans-1,4-dichloro-2-buten	14.87	53	7624	19.47	ug/L	87
104) 1,2,3-trichloropropane	14.90	110	6065	17.80	ug/L	92
105) n-propylbenzene	14.93	91	125244	15.16	ug/L	99
106) 4-Ethyltoluene	15.03	105	101209	14.88	ug/L	99
107) 2-chlorotoluene	15.08	126	24450	15.42	ug/L	97
108) 4-chlorotoluene	15.17	126	23870	15.17	ug/L	95
109) 1,3,5-trimethylbenzene	15.08	105	90511	14.81	ug/L	99
110) tert-butylbenzene	15.43	119	74874	14.47	ug/L	98
111) pentachloroethane	15.51	167	14182	15.57	ug/L	96
112) 1,2,4-trimethylbenzene	15.47	105	88292	15.11	ug/L	97
113) sec-butylbenzene	15.64	105	114012	15.07	ug/L	100
114) 1,3-dichlorobenzene	15.83	146	44684	15.83	ug/L	97
115) p-isopropyltoluene	15.75	119	90364	14.66	ug/L	99
116) 1,4-dichlorobenzene	15.91	146	43538	15.85	ug/L	98
117) 1,2-dichlorobenzene	16.29	146	40906	16.15	ug/L	99
118) 1,4-Diethylbenzene	16.13	119	51415	14.40	ug/L	98
119) n-butylbenzene	16.17	92	48132	15.26	ug/L	98
120) 1,2,4,5-Tetramethylbenzene	16.92	119	79496	14.39	ug/L	99
121) 1,2-dibromo-3-chloropropan	17.06	157	3519	16.29	ug/L	87
122) 1,3,5-Trichlorobenzene	17.25	180	33855	16.43	ug/L	99
123) 1,2,4-trichlorobenzene	17.88	180	25427	15.52	ug/L	99
124) hexachlorobutadiene	17.99	225	19373	16.18	ug/L	93
125) naphthalene	18.15	128	51509	16.30	ug/L	97
126) 1,2,3-trichlorobenzene	18.40	180	23722	16.41	ug/L	99
127) hexachloroethane	16.56	119	16320	14.21	ug/L	97
128) Benzyl chloride	16.02	91	41277	15.66	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110765.D
Acq On : 17 Jun 2014 9:03 pm
Operator : prashans
Sample : IC4989-20
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 15:55:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110766.D
Acq On : 17 Jun 2014 9:31 pm
Operator : prashans
Sample : ICC4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:55:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	57569	500.00	ug/L		0.00
5) pentafluorobenzene	9.54	168	126941	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	173847	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	128956	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	54907	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	9.59	113	57851	30.20	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 60.40%				
45) 1,2-dichloroethane-d4 (s)	10.01	65	84786	37.53	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 75.06%				
74) toluene-d8 (s)	12.09	98	222932	36.62	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 73.24%#				
99) 4-bromofluorobenzene (s)	14.73	95	84577	40.24	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 80.48%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	15430	922.27	ug/L	#	78
3) tertiary butyl alcohol	7.42	59	46566	208.49	ug/L		89
6) chlorodifluoromethane	3.98	51	79463	35.58	ug/L		98
7) dichlorodifluoromethane	3.98	85	88064	29.29	ug/L		99
8) chloromethane	4.31	50	105659	29.11	ug/L		98
9) vinyl chloride	4.56	62	87464	26.48	ug/L		98
10) bromomethane	5.20	94	43895	25.02	ug/L		97
11) chloroethane	5.37	64	40896	26.04	ug/L		96
14) trichlorofluoromethane	5.81	101	93487	26.89	ug/L		99
15) ethyl ether	6.23	74	40619	36.36	ug/L		84
16) acrolein	6.47	56	131464	392.19	ug/L		99
17) 1,1-dichloroethene	6.64	61	116418	33.38	ug/L		94
18) acetone	6.69	58	9993	60.12	ug/L	#	83
19) allyl chloride	7.17	76	37459	31.19	ug/L	#	56
20) acetonitrile	7.11	40	65729	699.39	ug/L		99
21) iodomethane	6.93	142	92617	30.77	ug/L		94
22) iso-butyl alcohol	9.82	41	28993	487.60	ug/L		93
23) carbon disulfide	7.06	76	225748	30.58	ug/L		95
24) methylene chloride	7.35	84	72651	33.62	ug/L		84
25) methyl acetate	7.15	74	10250	46.47	ug/L	#	55
26) methyl tert butyl ether	7.68	73	223210	37.46	ug/L		94
27) trans-1,2-dichloroethene	7.73	61	121781	34.43	ug/L		90
28) di-isopropyl ether	8.28	45	317263	42.43	ug/L		95
29) ethyl tert-butyl ether	8.74	59	282667	40.16	ug/L		96
30) 2-butanone	8.99	72	8987	48.33	ug/L		60
31) 1,1-dichloroethane	8.29	63	144549	35.24	ug/L		99
32) chloroprene	8.40	53	129638	38.12	ug/L		92
33) acrylonitrile	7.67	53	125188	233.90	ug/L		97
34) vinyl acetate	8.28	86	10686	37.63	ug/L		38
35) ethyl acetate	9.01	45	10734	50.32	ug/L		75
36) 2,2-dichloropropane	9.03	77	118118	31.99	ug/L		99
37) cis-1,2-dichloroethene	9.02	61	146165	37.18	ug/L		90
38) propionitrile	9.08	54	98261	479.30	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110766.D
Acq On : 17 Jun 2014 9:31 pm
Operator : prashans
Sample : ICC4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:55:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	8601	39.98	ug/L		82
40) bromochloromethane	9.34	128	29515	34.94	ug/L	#	83
41) tetrahydrofuran	9.38	72	8704	41.80	ug/L	#	78
42) chloroform	9.39	83	125145	33.35	ug/L		97
43) tert-Butyl Formate	9.42	59	66455	37.31	ug/L		96
46) freon 113	6.62	151	42902	32.30	ug/L		89
47) methacrylonitrile	9.27	41	46174	48.41	ug/L		87
48) 1,1,1-trichloroethane	9.65	97	107057	31.81	ug/L		97
49) Cyclohexane	9.72	84	104590	28.77	ug/L	#	75
50) Tert Amyl Alcohol	9.95	73	20560	189.01	ug/L	#	88
51) 2,2,4-trimethylpentane	10.09	57	330257	34.69	ug/L		93
52) tert-amyl methyl ether	10.12	73	233138	36.26	ug/L		95
54) epichlorohydrin	11.71	57	33350	248.13	ug/L		98
55) n-butyl alcohol	10.58	56	114451	2736.56	ug/L		84
56) carbon tetrachloride	9.85	117	90002	37.80	ug/L		98
57) 1,1-dichloropropene	9.82	75	98081	38.02	ug/L		98
58) hexane	8.03	57	115125	46.90	ug/L		93
59) benzene	10.09	78	285590	37.93	ug/L		97
60) heptane	10.26	57	68056	41.69	ug/L		96
61) isopropyl acetate	10.01	87	13942	48.60	ug/L	#	57
62) 1,2-dichloroethane	10.10	62	103441	49.59	ug/L		98
63) trichloroethene	10.80	95	68268	38.30	ug/L		98
64) ethyl acrylate	10.80	55	87075	54.50	ug/L		95
65) Tert-Amyl ethyl ether	10.96	87	105082	40.46	ug/L		92
66) 2-nitropropane	11.57	41	27613	54.99	ug/L		99
67) 2-chloroethyl vinyl ether	11.59	63	150415	196.14	ug/L		98
68) methyl methacrylate	11.07	100	14176	45.02	ug/L	#	70
69) 1,2-dichloropropane	11.06	63	80466	42.61	ug/L		96
70) methylcyclohexane	11.02	83	121031	36.68	ug/L		92
71) dibromomethane	11.23	93	36766	44.99	ug/L		97
72) bromodichloromethane	11.35	83	93954	43.46	ug/L		99
73) cis-1,3-dichloropropene	11.81	75	115982	42.25	ug/L		89
75) 4-methyl-2-pentanone	11.89	58	26121	51.14	ug/L	#	80
76) toluene	12.17	91	271539	36.58	ug/L		99
77) 3-methyl-1-butanol	11.91	70	37814	990.04	ug/L		84
78) trans-1,3-dichloropropene	12.36	75	103786	44.83	ug/L		87
79) ethyl methacrylate	12.35	69	82728	45.26	ug/L		84
80) 1,1,2-trichloroethane	12.57	97	47187	41.88	ug/L		98
81) 2-hexanone	12.74	58	23869	52.69	ug/L		87
83) tetrachloroethene	12.75	166	61673	41.20	ug/L		99
84) 1,3-dichloropropane	12.75	76	91417	43.83	ug/L		98
85) butyl acetate	12.82	56	42586	49.75	ug/L		85
86) dibromochloromethane	13.02	129	54350	45.10	ug/L		100
87) 1,2-dibromoethane	13.17	107	45641	43.84	ug/L		97
88) 3,3-Dimethyl-1-Butanol	12.91	57	70429	493.27	ug/L		97
89) chlorobenzene	13.62	112	151638	38.57	ug/L		95
90) 1,1,1,2-tetrachloroethane	13.68	131	55929	39.71	ug/L		97
91) ethylbenzene	13.67	91	284615	37.18	ug/L		98
92) m,p-xylene	13.78	106	203359	73.91	ug/L		96
93) o-xylene	14.19	91	235282	37.87	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110766.D
Acq On : 17 Jun 2014 9:31 pm
Operator : prashans
Sample : ICC4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:55:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

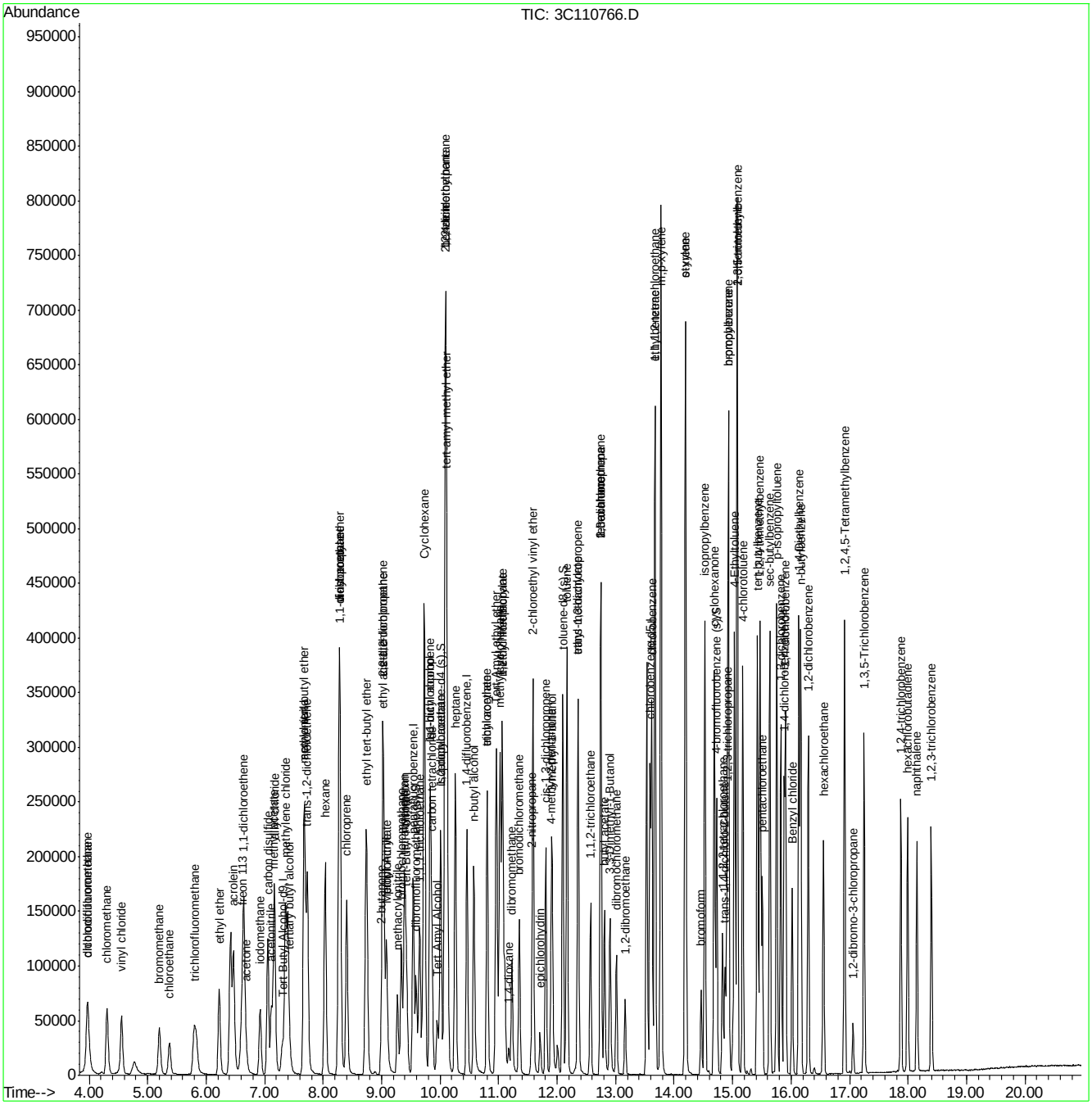
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	162718	39.08	ug/L	97
96) bromoform	14.46	173	32847	48.67	ug/L	98
98) isopropylbenzene	14.53	105	262766	36.56	ug/L	98
100) bromobenzene	14.92	156	58713	42.06	ug/L	97
101) cyclohexanone	14.69	55	151319	659.33	ug/L	95
102) 1,1,2,2-tetrachloroethane	14.83	83	63478	45.54	ug/L	98
103) trans-1,4-dichloro-2-buten	14.87	53	20925	54.81	ug/L	91
104) 1,2,3-trichloropropane	14.90	110	15657	47.12	ug/L	99
105) n-propylbenzene	14.93	91	303546	37.67	ug/L	99
106) 4-Ethyltoluene	15.03	105	245224	36.99	ug/L	98
107) 2-chlorotoluene	15.08	126	58708	37.96	ug/L	98
108) 4-chlorotoluene	15.17	126	59631	38.87	ug/L	99
109) 1,3,5-trimethylbenzene	15.08	105	227001	38.10	ug/L	100
110) tert-butylbenzene	15.43	119	183824	36.43	ug/L	95
111) pentachloroethane	15.51	167	33161	37.33	ug/L	94
112) 1,2,4-trimethylbenzene	15.47	105	220698	38.74	ug/L	99
113) sec-butylbenzene	15.64	105	275246	37.30	ug/L	98
114) 1,3-dichlorobenzene	15.82	146	110298	40.06	ug/L	99
115) p-isopropyltoluene	15.75	119	223391	37.16	ug/L	98
116) 1,4-dichlorobenzene	15.91	146	109081	40.73	ug/L	99
117) 1,2-dichlorobenzene	16.29	146	105156	42.57	ug/L	99
118) 1,4-Diethylbenzene	16.13	119	130904	37.59	ug/L	97
119) n-butylbenzene	16.16	92	121061	39.36	ug/L	99
120) 1,2,4,5-Tetramethylbenzene	16.92	119	209881	38.96	ug/L	100
121) 1,2-dibromo-3-chloropropan	17.06	157	9861	46.81	ug/L	88
122) 1,3,5-Trichlorobenzene	17.25	180	86933	43.26	ug/L	100
123) 1,2,4-trichlorobenzene	17.88	180	70049	43.84	ug/L	99
124) hexachlorobutadiene	17.99	225	48965	41.93	ug/L	100
125) naphthalene	18.15	128	145601	47.25	ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	63298	44.91	ug/L	99
127) hexachloroethane	16.55	119	41400	36.98	ug/L	96
128) Benzyl chloride	16.02	91	113546	44.18	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110766.D
Acq On : 17 Jun 2014 9:31 pm
Operator : prashans
Sample : ICC4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:55:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110767.D
Acq On : 17 Jun 2014 9:59 pm
Operator : prashans
Sample : IC4989-100
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:55:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	59938	500.00	ug/L		0.00
5) pentafluorobenzene	9.54	168	136584	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	188493	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	137251	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	60232	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	9.59	113	114658	55.63	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 111.26%				
45) 1,2-dichloroethane-d4 (s)	10.01	65	164380	67.62	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 135.24%#				
74) toluene-d8 (s)	12.09	98	439733	66.62	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 133.24%#				
99) 4-bromofluorobenzene (s)	14.73	95	167144	72.49	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 144.98%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	29887	1715.77	ug/L		92
3) tertiary butyl alcohol	7.42	59	87962	378.26	ug/L		93
6) chlorodifluoromethane	3.98	51	161888	67.37	ug/L		99
7) dichlorodifluoromethane	3.97	85	178651	55.22	ug/L		99
8) chloromethane	4.31	50	218830	56.03	ug/L		99
9) vinyl chloride	4.56	62	180167	50.69	ug/L		99
10) bromomethane	5.20	94	85267	45.18	ug/L		100
11) chloroethane	5.37	64	82135	48.61	ug/L		95
14) trichlorofluoromethane	5.81	101	186938	49.97	ug/L		99
15) ethyl ether	6.22	74	80300	66.80	ug/L		81
16) acrolein	6.48	56	4724	13.10	ug/L		97
17) 1,1-dichloroethene	6.64	61	235436	62.74	ug/L		95
18) acetone	6.69	58	16323	91.28	ug/L		87
19) allyl chloride	7.17	76	76311	59.05	ug/L		64
20) acetonitrile	7.11	40	132773	1378.40	ug/L		98
21) iodomethane	6.92	142	189085	58.38	ug/L		94
22) iso-butyl alcohol	9.82	41	57046	891.65	ug/L		91
23) carbon disulfide	7.05	76	460812	58.02	ug/L		94
24) methylene chloride	7.35	84	145439	62.56	ug/L		83
25) methyl acetate	7.15	74	19827	83.54	ug/L	#	59
26) methyl tert butyl ether	7.68	73	440992	68.79	ug/L		95
27) trans-1,2-dichloroethene	7.73	61	245397	64.49	ug/L		91
28) di-isopropyl ether	8.28	45	622932	77.42	ug/L		94
29) ethyl tert-butyl ether	8.74	59	558632	73.76	ug/L		96
30) 2-butanone	8.99	72	16355	81.74	ug/L		53
31) 1,1-dichloroethane	8.29	63	289035	65.49	ug/L		100
32) chloroprene	8.40	53	261674	71.51	ug/L		92
33) acrylonitrile	7.67	53	239908	416.60	ug/L		98
34) vinyl acetate	8.28	86	21737	71.13	ug/L		46
35) ethyl acetate	9.01	45	20428	89.00	ug/L		55
36) 2,2-dichloropropane	9.03	77	242278	60.98	ug/L		98
37) cis-1,2-dichloroethene	9.02	61	291884	69.01	ug/L		92
38) propionitrile	9.08	54	188222	853.29	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110767.D
Acq On : 17 Jun 2014 9:59 pm
Operator : prashans
Sample : IC4989-100
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:55:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	16742	70.81	ug/L		84
40) bromochloromethane	9.34	128	58831	64.72	ug/L	#	82
41) tetrahydrofuran	9.37	72	16871	75.31	ug/L	#	80
42) chloroform	9.39	83	252120	62.45	ug/L		96
43) tert-Butyl Formate	9.42	59	129648	67.64	ug/L		98
46) freon 113	6.62	151	85946	60.15	ug/L		96
47) methacrylonitrile	9.26	41	92148	89.80	ug/L		86
48) 1,1,1-trichloroethane	9.65	97	221803	61.26	ug/L		96
49) Cyclohexane	9.72	84	210217	53.74	ug/L	#	73
50) Tert Amyl Alcohol	9.95	73	38913	332.47	ug/L	#	62
51) 2,2,4-trimethylpentane	10.09	57	663005	64.72	ug/L		93
52) tert-amyl methyl ether	10.12	73	451511	65.26	ug/L		95
54) epichlorohydrin	11.71	57	65878	452.07	ug/L		99
55) n-butyl alcohol	10.57	56	217276	4791.47	ug/L		87
56) carbon tetrachloride	9.85	117	186821	72.37	ug/L		98
57) 1,1-dichloropropene	9.82	75	201497	72.04	ug/L		98
58) hexane	8.03	57	226584	85.13	ug/L		93
59) benzene	10.09	78	565086	69.22	ug/L		96
60) heptane	10.26	57	135269	76.43	ug/L		97
61) isopropyl acetate	10.00	87	25716	82.67	ug/L	#	42
62) 1,2-dichloroethane	10.10	62	205112	90.69	ug/L		97
63) trichloroethene	10.80	95	138641	71.73	ug/L		96
64) ethyl acrylate	10.80	55	169898	98.07	ug/L		95
65) Tert-Amyl ethyl ether	10.96	87	209424	74.36	ug/L	#	90
66) 2-nitropropane	11.56	41	53032	97.40	ug/L		99
67) 2-chloroethyl vinyl ether	11.59	63	291200	350.21	ug/L		99
68) methyl methacrylate	11.06	100	28727	84.14	ug/L	#	66
69) 1,2-dichloropropane	11.06	63	162502	79.36	ug/L		96
70) methylcyclohexane	11.02	83	244556	68.36	ug/L		90
71) dibromomethane	11.23	93	73727	83.22	ug/L		97
72) bromodichloromethane	11.35	83	192682	82.20	ug/L		99
73) cis-1,3-dichloropropene	11.81	75	237228	79.71	ug/L		87
75) 4-methyl-2-pentanone	11.89	58	51617	93.21	ug/L	#	81
76) toluene	12.17	91	545539	67.78	ug/L		98
77) 3-methyl-1-butanol	11.91	70	72069	1740.28	ug/L		84
78) trans-1,3-dichloropropene	12.36	75	208688	83.14	ug/L		87
79) ethyl methacrylate	12.35	69	166166	83.84	ug/L		85
80) 1,1,2-trichloroethane	12.57	97	94134	77.06	ug/L		97
81) 2-hexanone	12.74	58	44657	90.91	ug/L		85
83) tetrachloroethene	12.75	166	118268	74.23	ug/L		99
84) 1,3-dichloropropane	12.75	76	179702	80.95	ug/L		100
85) butyl acetate	12.81	56	83820	92.01	ug/L	#	83
86) dibromochloromethane	13.01	129	111067	86.60	ug/L		99
87) 1,2-dibromoethane	13.17	107	91347	82.44	ug/L		96
88) 3,3-Dimethyl-1-Butanol	12.90	57	134366	884.19	ug/L		97
89) chlorobenzene	13.62	112	304938	72.88	ug/L		95
90) 1,1,1,2-tetrachloroethane	13.68	131	113657	75.81	ug/L		95
91) ethylbenzene	13.67	91	570924	70.08	ug/L		98
92) m,p-xylene	13.78	106	408915	139.64	ug/L		96
93) o-xylene	14.19	91	473691	71.63	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110767.D
Acq On : 17 Jun 2014 9:59 pm
Operator : prashans
Sample : IC4989-100
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:55:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration

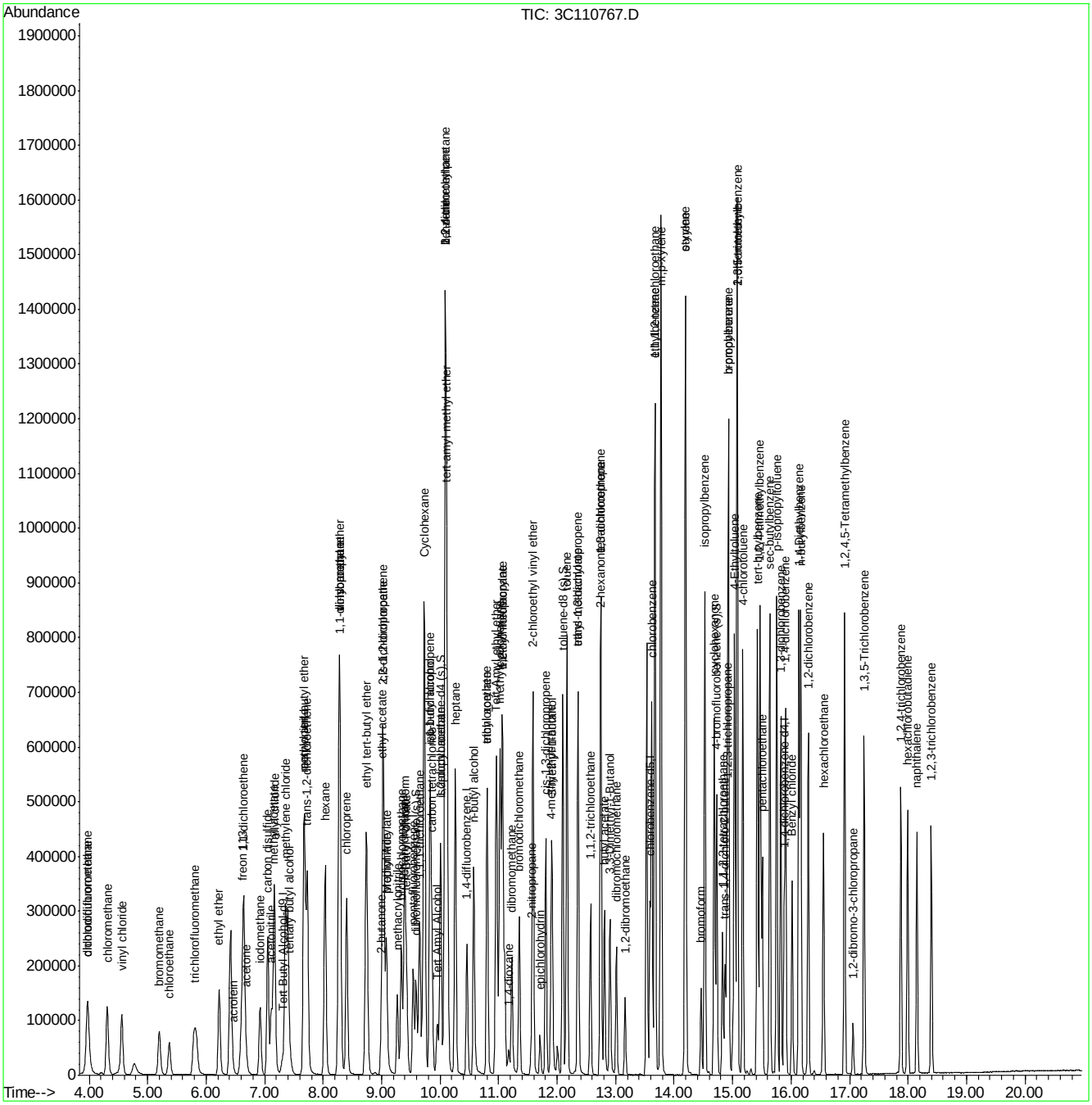
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	330819	74.66	ug/L	96
96) bromoform	14.46	173	67003	93.27	ug/L	100
98) isopropylbenzene	14.53	105	533604	67.68	ug/L	98
100) bromobenzene	14.92	156	117935	77.01	ug/L	96
101) cyclohexanone	14.69	55	262065	1040.92	ug/L	93
102) 1,1,2,2-tetrachloroethane	14.83	83	124541	81.44	ug/L	98
103) trans-1,4-dichloro-2-buten	14.87	53	43181	103.11	ug/L	89
104) 1,2,3-trichloropropane	14.90	110	30418	83.44	ug/L	93
105) n-propylbenzene	14.93	91	613032	69.36	ug/L	99
106) 4-Ethyltoluene	15.03	105	488458	67.16	ug/L	100
107) 2-chlorotoluene	15.08	126	119184	70.26	ug/L	96
108) 4-chlorotoluene	15.17	126	122045	72.52	ug/L	96
109) 1,3,5-trimethylbenzene	15.08	105	459467	70.29	ug/L	99
110) tert-butylbenzene	15.43	119	373432	67.46	ug/L	96
111) pentachloroethane	15.51	167	73907	75.84	ug/L	98
112) 1,2,4-trimethylbenzene	15.47	105	448120	71.70	ug/L	100
113) sec-butylbenzene	15.64	105	564320	69.72	ug/L	98
114) 1,3-dichlorobenzene	15.82	146	226669	75.06	ug/L	98
115) p-isopropyltoluene	15.75	119	463694	70.31	ug/L	98
116) 1,4-dichlorobenzene	15.91	146	223422	76.04	ug/L	100
117) 1,2-dichlorobenzene	16.29	146	212563	78.44	ug/L	98
118) 1,4-Diethylbenzene	16.13	119	264613	69.27	ug/L	97
119) n-butylbenzene	16.16	92	252719	74.91	ug/L	99
120) 1,2,4,5-Tetramethylbenzene	16.92	119	421277	71.29	ug/L	100
121) 1,2-dibromo-3-chloropropan	17.06	157	20065	86.83	ug/L	92
122) 1,3,5-Trichlorobenzene	17.25	180	177815	80.66	ug/L	99
123) 1,2,4-trichlorobenzene	17.88	180	146772	83.73	ug/L	98
124) hexachlorobutadiene	17.99	225	101195	78.99	ug/L	93
125) naphthalene	18.15	128	300857	89.01	ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	133442	86.30	ug/L	100
127) hexachloroethane	16.55	119	88104	71.74	ug/L	97
128) Benzyl chloride	16.02	91	227712	80.78	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110767.D
Acq On : 17 Jun 2014 9:59 pm
Operator : prashans
Sample : IC4989-100
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:55:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Thu May 08 17:19:13 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110768.D
Acq On : 17 Jun 2014 10:26 pm
Operator : prashans
Sample : IC4989-200
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 15:54:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:37:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.32	65	64334	500.00	ug/L		0.01
5) pentafluorobenzene	9.54	168	130011	50.00	ug/L		0.00
53) 1,4-difluorobenzene	10.46	114	177833	50.00	ug/L		0.00
82) chlorobenzene-d5	13.59	117	131239	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	15.88	152	58841	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	9.59	113	234954	97.28	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 194.56%#				
45) 1,2-dichloroethane-d4 (s)	10.01	65	341964	84.43	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 168.86%#				
74) toluene-d8 (s)	12.09	98	881487	129.46	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 258.92%#				
99) 4-bromofluorobenzene (s)	14.73	95	343882	91.37	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 182.74%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	65733	4861.94	ug/L	#	99
3) tertiary butyl alcohol	7.43	59	195871	916.17	ug/L		80
6) chlorodifluoromethane	3.98	51	341697	160.75	ug/L		99
7) dichlorodifluoromethane	3.97	85	361001	195.77	ug/L		100
8) chloromethane	4.32	50	437538	175.91	ug/L		98
9) vinyl chloride	4.56	62	366432	192.70	ug/L		98
11) chloroethane	5.37	64	150455	172.45	ug/L		97
14) trichlorofluoromethane	5.80	101	372421	185.17	ug/L		99
15) ethyl ether	6.23	74	161382	212.78	ug/L		97
16) acrolein	6.48	56	5968	22.51	ug/L		98
17) 1,1-dichloroethene	6.64	61	463842	200.09	ug/L		100
18) acetone	6.69	58	28789	123.08	ug/L		89
19) allyl chloride	7.17	76	151231	124.97	ug/L		89
20) acetonitrile	7.11	40	274930	1938.43	ug/L		98
21) iodomethane	6.92	142	373050	203.78	ug/L		100
22) iso-butyl alcohol	9.82	41	126995	1301.20	ug/L		98
23) carbon disulfide	7.05	76	901940	190.78	ug/L		98
24) methylene chloride	7.35	84	281702	79.11	ug/L		97
25) methyl acetate	7.15	74	41387	224.81	ug/L		99
26) methyl tert butyl ether	7.69	73	894782	205.10	ug/L		98
27) trans-1,2-dichloroethene	7.73	61	484611	202.73	ug/L		99
28) di-isopropyl ether	8.28	45	1258476	210.08	ug/L		94
29) ethyl tert-butyl ether	8.74	59	1143394	215.01	ug/L		100
30) 2-butanone	8.99	72	33037	212.85	ug/L		84
31) 1,1-dichloroethane	8.29	63	568361	201.98	ug/L		99
32) chloroprene	8.40	53	539634	224.95	ug/L		99
33) acrylonitrile	7.67	53	496387	1186.07	ug/L		98
34) vinyl acetate	8.28	86	44727	231.20	ug/L		81
35) ethyl acetate	9.01	45	42981	226.48	ug/L	#	32
36) 2,2-dichloropropane	9.03	77	477996	202.82	ug/L		99
37) cis-1,2-dichloroethene	9.02	61	580977	208.88	ug/L		98
38) propionitrile	9.08	54	396683	2442.09	ug/L		84
39) Methyl Acrylate	9.09	85	36220	249.37	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110768.D
Acq On : 17 Jun 2014 10:26 pm
Operator : prashans
Sample : IC4989-200
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 15:54:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:37:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) bromochloromethane	9.34	128	119379	212.22	ug/L		96
41) tetrahydrofuran	9.38	72	35170	220.39	ug/L		99
42) chloroform	9.39	83	504155	189.54	ug/L		98
43) tert-Butyl Formate	9.42	59	281205	241.59	ug/L	#	87
46) freon 113	6.62	151	172812	172.18	ug/L		97
47) methacrylonitrile	9.27	41	197568	233.54	ug/L		99
48) 1,1,1-trichloroethane	9.65	97	443855	203.52	ug/L		98
49) Cyclohexane	9.72	84	414698	194.35	ug/L		97
50) Tert Amyl Alcohol	9.95	73	89655	1126.58	ug/L	#	76
51) 2,2,4-trimethylpentane	10.09	57	1302898	194.16	ug/L		98
52) tert-amyl methyl ether	10.12	73	913767	194.37	ug/L		100
54) epichlorohydrin	11.71	57	142774	1146.10	ug/L		98
55) n-butyl alcohol	10.57	56	486564	9239.61	ug/L		99
56) carbon tetrachloride	9.86	117	373542	202.94	ug/L		97
57) 1,1-dichloropropene	9.82	75	398770	197.62	ug/L		99
58) hexane	8.03	57	458259	106.00	ug/L		99
59) benzene	10.09	78	1078527	181.93	ug/L		99
60) heptane	10.26	57	274283	140.08	ug/L		99
61) isopropyl acetate	10.01	87	55745	138.70	ug/L	#	41
62) 1,2-dichloroethane	10.10	62	405904	205.84	ug/L		99
63) trichloroethene	10.80	95	273693	200.88	ug/L		98
64) ethyl acrylate	10.80	55	368711	259.85	ug/L		99
65) Tert-Amyl ethyl ether	10.96	87	432506	219.88	ug/L		99
66) 2-nitropropane	11.56	41	116158	222.14	ug/L		96
67) 2-chloroethyl vinyl ether	11.59	63	609433	1147.58	ug/L		99
68) methyl methacrylate	11.06	100	59598	230.29	ug/L	#	86
69) 1,2-dichloropropane	11.06	63	321662	203.89	ug/L		97
70) methylcyclohexane	11.03	83	488826	196.55	ug/L		98
71) dibromomethane	11.22	93	150837	217.38	ug/L		94
72) bromodichloromethane	11.35	83	393342	222.37	ug/L		98
73) cis-1,3-dichloropropene	11.81	75	480719	223.67	ug/L		98
75) 4-methyl-2-pentanone	11.89	58	109606	243.75	ug/L		96
76) toluene	12.17	91	1058979	178.09	ug/L		98
77) 3-methyl-1-butanol	11.91	70	161132	4724.11	ug/L		99
78) trans-1,3-dichloropropene	12.36	75	419830	217.31	ug/L		97
79) ethyl methacrylate	12.35	69	346968	253.35	ug/L		99
80) 1,1,2-trichloroethane	12.57	97	191015	212.33	ug/L		97
81) 2-hexanone	12.74	58	93030	230.01	ug/L		98
83) tetrachloroethene	12.75	166	220635	182.90	ug/L		99
84) 1,3-dichloropropane	12.75	76	357336	204.79	ug/L		99
85) butyl acetate	12.81	56	178258	234.44	ug/L		94
86) dibromochloromethane	13.01	129	228275	227.00	ug/L		99
87) 1,2-dibromoethane	13.17	107	186897	221.02	ug/L		98
88) 3,3-Dimethyl-1-Butanol	12.90	57	309577	2587.87	ug/L		99
89) chlorobenzene	13.62	112	598450	184.05	ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	223932	205.72	ug/L		99
91) ethylbenzene	13.67	91	1083572	181.43	ug/L		98
92) m,p-xylene	13.78	106	776524	374.07	ug/L		97
93) o-xylene	14.19	91	908201	192.33	ug/L		100
94) styrene	14.20	104	646822	218.15	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110768.D
Acq On : 17 Jun 2014 10:26 pm
Operator : prashans
Sample : IC4989-200
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 15:54:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:37:50 2014
Response via : Initial Calibration

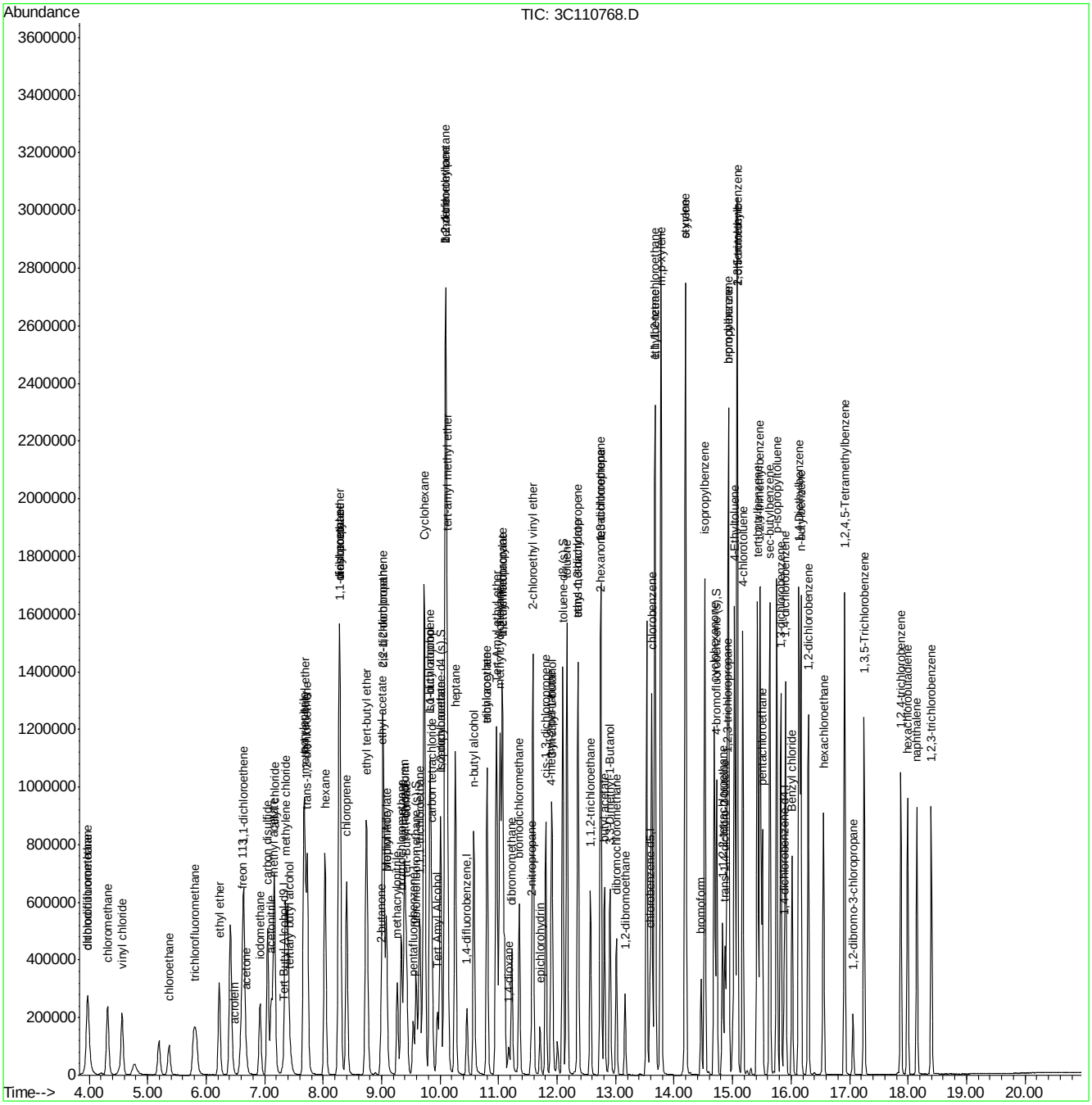
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) bromoform	14.46	173	140824	235.91	ug/L	99
98) isopropylbenzene	14.53	105	1044211	179.18	ug/L	98
100) bromobenzene	14.92	156	230187	188.67	ug/L	93
101) cyclohexanone	14.69	55	485014	2023.45	ug/L	96
102) 1,1,2,2-tetrachloroethane	14.83	83	258922	203.30	ug/L	100
103) trans-1,4-dichloro-2-buten	14.87	53	95134	239.22	ug/L	91
104) 1,2,3-trichloropropane	14.90	110	62295	198.99	ug/L	94
105) n-propylbenzene	14.93	91	1174535	181.08	ug/L	99
106) 4-Ethyltoluene	15.03	105	1009603	193.95	ug/L	99
107) 2-chlorotoluene	15.08	126	230257	182.70	ug/L	100
108) 4-chlorotoluene	15.17	126	243535	190.43	ug/L	100
109) 1,3,5-trimethylbenzene	15.08	105	853394	176.85	ug/L	99
110) tert-butylbenzene	15.43	119	745104	189.27	ug/L	99
111) pentachloroethane	15.51	167	157152	215.56	ug/L	95
112) 1,2,4-trimethylbenzene	15.47	105	884414	187.62	ug/L	99
113) sec-butylbenzene	15.64	105	1115417	188.51	ug/L	99
114) 1,3-dichlorobenzene	15.82	146	453597	188.58	ug/L	99
115) p-isopropyltoluene	15.75	119	911555	193.64	ug/L	98
116) 1,4-dichlorobenzene	15.91	146	446831	184.98	ug/L	99
117) 1,2-dichlorobenzene	16.29	146	428359	191.36	ug/L	99
118) 1,4-Diethylbenzene	16.14	119	536994	206.23	ug/L	99
119) n-butylbenzene	16.17	92	501006	201.73	ug/L	98
120) 1,2,4,5-Tetramethylbenzene	16.92	119	847392	208.49	ug/L	100
121) 1,2-dibromo-3-chloropropan	17.06	157	45026	230.55	ug/L	97
122) 1,3,5-Trichlorobenzene	17.25	180	347845	199.62	ug/L	100
123) 1,2,4-trichlorobenzene	17.88	180	290895	227.39	ug/L	98
124) hexachlorobutadiene	17.99	225	202250	192.96	ug/L	95
125) naphthalene	18.15	128	627804	242.56	ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	266681	228.38	ug/L	98
127) hexachloroethane	16.55	119	182467	212.38	ug/L	99
128) Benzyl chloride	16.02	91	488353	223.88	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110768.D
Acq On : 17 Jun 2014 10:26 pm
Operator : prashans
Sample : IC4989-200
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 15:54:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:37:50 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110771.D
Acq On : 17 Jun 2014 11:49 pm
Operator : prashans
Sample : ICV4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:54:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	60597	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	135485	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	185036	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	136761	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	58075	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	56651	45.90	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 91.80%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	85027	46.86	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 93.72%			
74) toluene-d8 (s)	12.09	98	219237	45.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 91.46%			
99) 4-bromofluorobenzene (s)	14.73	95	82677	47.04	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 94.08%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	15079	1184.10	ug/L #	98
3) tertiary butyl alcohol	7.42	59	45034	223.63	ug/L	92
6) chlorodifluoromethane	3.97	51	63206	37.15	ug/L	96
7) dichlorodifluoromethane	3.97	85	88033	46.69	ug/L	99
8) chloromethane	4.30	50	114207	48.90	ug/L	98
9) vinyl chloride	4.55	62	90820	47.19	ug/L	96
10) bromomethane	5.19	94	45203	45.48	ug/L	95
11) chloroethane	5.37	64	42205	48.06	ug/L	97
14) trichlorofluoromethane	5.80	101	93218	46.04	ug/L	100
15) ethyl ether	6.21	74	39263	49.68	ug/L	99
16) acrolein	6.47	56	126039	479.39	ug/L	98
17) 1,1-dichloroethene	6.64	61	114707	47.48	ug/L	99
18) acetone	6.69	58	7275	42.57	ug/L	88
19) allyl chloride	7.17	76	37225	47.44	ug/L	94
20) acetonitrile	7.11	40	68267	506.13	ug/L	99
21) iodomethane	6.92	142	92480	48.48	ug/L	99
22) iso-butyl alcohol	9.82	41	27656	491.86	ug/L	94
23) carbon disulfide	7.05	76	224181	45.50	ug/L	100
24) methylene chloride	7.35	84	72330	45.48	ug/L	99
25) methyl acetate	7.15	74	8944	46.62	ug/L	97
26) methyl tert butyl ether	7.68	73	428032	94.15	ug/L	99
27) trans-1,2-dichloroethene	7.73	61	120016	48.18	ug/L	99
28) di-isopropyl ether	8.27	45	309000	49.50	ug/L	95
29) ethyl tert-butyl ether	8.74	59	267108	48.20	ug/L	100
30) 2-butanone	9.00	72	7419	45.87	ug/L	76
31) 1,1-dichloroethane	8.29	63	142288	48.52	ug/L	99
32) chloroprene	8.40	53	115381	46.15	ug/L	99
33) acrylonitrile	7.67	53	120976	249.53	ug/L	100
34) vinyl acetate	8.28	86	11334	53.01	ug/L	95
35) ethyl acetate	9.01	45	10310	52.13	ug/L	49
36) 2,2-dichloropropane	9.03	77	117539	47.86	ug/L	98
37) cis-1,2-dichloroethene	9.02	61	143900	49.65	ug/L	99
38) propionitrile	9.08	54	93088	498.60	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110771.D
Acq On : 17 Jun 2014 11:49 pm
Operator : prashans
Sample : ICV4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:54:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	7901	45.78	ug/L		93
40) bromochloromethane	9.34	128	28634	48.85	ug/L		97
41) tetrahydrofuran	9.38	72	7868	47.31	ug/L		91
42) chloroform	9.39	83	124171	44.80	ug/L		98
43) tert-Butyl Formate	9.42	59	65595	51.91	ug/L		99
46) freon 113	6.61	151	41365	43.71	ug/L		96
47) methacrylonitrile	9.27	41	45260	50.50	ug/L		95
48) 1,1,1-trichloroethane	9.65	97	108359	47.68	ug/L		97
49) Cyclohexane	9.72	84	102246	45.98	ug/L		97
50) Tert Amyl Alcohol	9.95	73	39650	478.17	ug/L	#	87
51) 2,2,4-trimethylpentane	10.09	57	296496	42.40	ug/L		98
52) tert-amyl methyl ether	10.12	73	222648	45.45	ug/L		99
54) epichlorohydrin	11.71	57	32741	252.59	ug/L		98
55) n-butyl alcohol	10.57	56	109141	2370.33	ug/L		99
56) carbon tetrachloride	9.85	117	89861	46.92	ug/L		97
57) 1,1-dichloropropene	9.82	75	97320	46.35	ug/L		99
58) hexane	8.03	57	92051	38.84	ug/L		97
59) benzene	10.09	78	281968	45.71	ug/L		98
60) heptane	10.26	57	67553	46.49	ug/L		97
61) isopropyl acetate	10.01	87	12872	49.50	ug/L	#	88
62) 1,2-dichloroethane	10.10	62	102731	50.07	ug/L		98
63) trichloroethene	10.80	95	67667	47.73	ug/L		97
64) ethyl acrylate	10.80	55	85608	53.30	ug/L		99
65) Tert-Amyl ethyl ether	10.96	87	211833	103.50	ug/L		98
66) 2-nitropropane	11.57	41	26771	49.20	ug/L		100
67) 2-chloroethyl vinyl ether	11.59	63	142213	257.37	ug/L		98
68) methyl methacrylate	11.06	100	13773	51.15	ug/L	#	88
69) 1,2-dichloropropane	11.06	63	80995	49.36	ug/L		97
70) methylcyclohexane	11.02	83	115310	44.56	ug/L		98
71) dibromomethane	11.22	93	36130	50.04	ug/L		95
72) bromodichloromethane	11.35	83	94336	51.26	ug/L		95
73) cis-1,3-dichloropropene	11.81	75	114874	51.37	ug/L		99
75) 4-methyl-2-pentanone	11.89	58	25460	50.83	ug/L		99
76) toluene	12.17	91	266743	45.45	ug/L		99
77) 3-methyl-1-butanol	11.91	70	35987	947.74	ug/L		96
78) trans-1,3-dichloropropene	12.36	75	102278	50.88	ug/L		100
79) ethyl methacrylate	12.35	69	80795	52.56	ug/L		99
80) 1,1,2-trichloroethane	12.57	97	46544	49.72	ug/L		99
81) 2-hexanone	12.74	58	21110	47.49	ug/L		99
83) tetrachloroethene	12.75	166	55982	44.53	ug/L		98
84) 1,3-dichloropropane	12.75	76	90040	49.52	ug/L		96
85) butyl acetate	12.81	56	41821	52.79	ug/L		98
86) dibromochloromethane	13.01	129	52782	50.37	ug/L		99
87) 1,2-dibromoethane	13.17	107	44608	50.62	ug/L		98
88) 3,3-Dimethyl-1-Butanol	12.90	57	65735	451.83	ug/L		100
89) chlorobenzene	13.62	112	148497	45.54	ug/L		100
90) 1,1,1,2-tetrachloroethane	13.68	131	54976	48.47	ug/L		97
91) ethylbenzene	13.67	91	280774	45.11	ug/L		100
92) m,p-xylene	13.78	106	199033	92.01	ug/L		98
93) o-xylene	14.19	91	234446	47.64	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110771.D
Acq On : 17 Jun 2014 11:49 pm
Operator : prashans
Sample : ICV4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:54:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

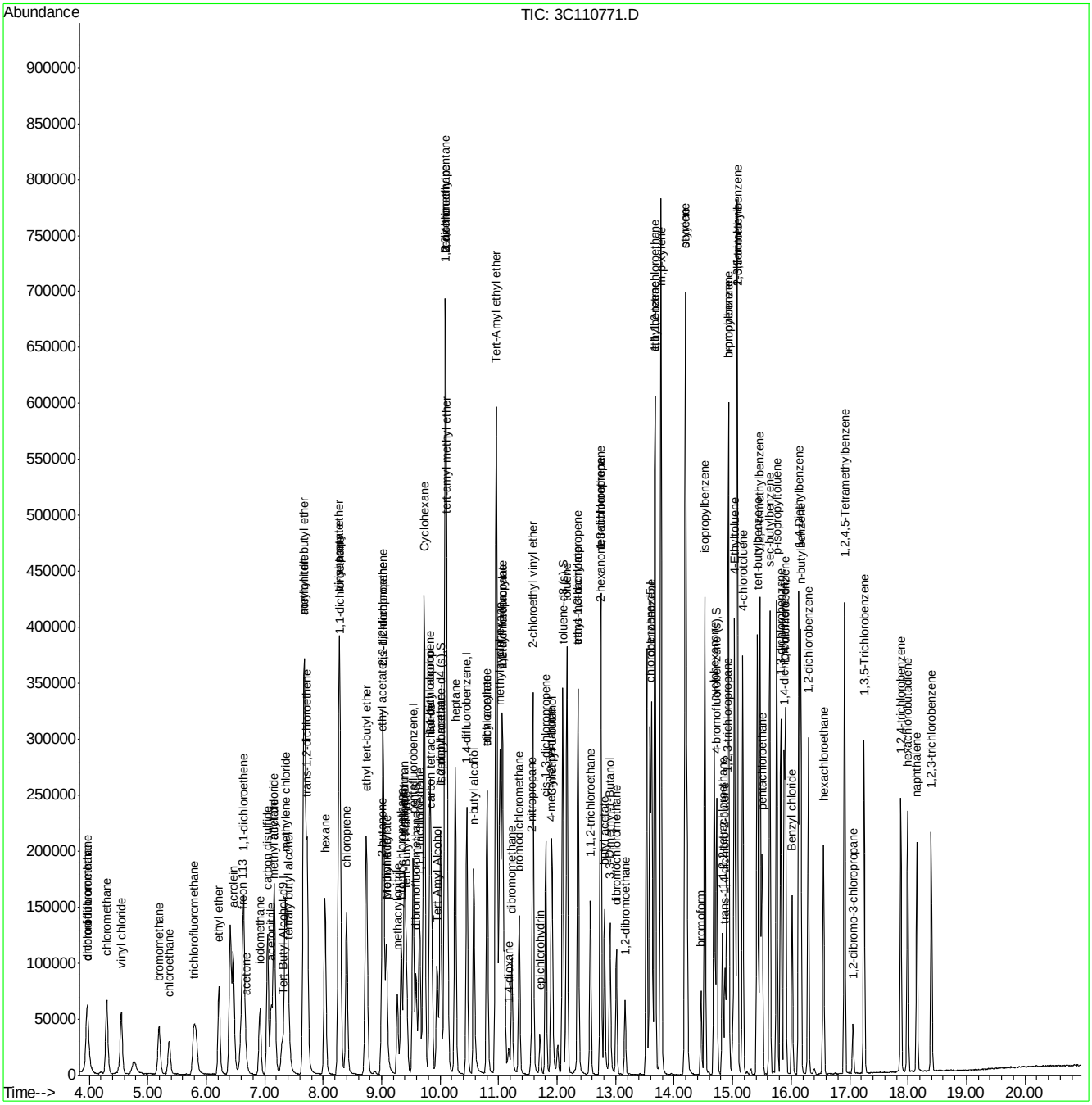
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	160030	51.79	ug/L	99
96) bromoform	14.46	173	31722	50.99	ug/L	99
98) isopropylbenzene	14.53	105	257232	44.72	ug/L	99
100) bromobenzene	14.92	156	56199	46.67	ug/L	93
101) cyclohexanone	14.69	55	116727	447.73	ug/L	98
102) 1,1,2,2-tetrachloroethane	14.83	83	61062	48.58	ug/L	98
103) trans-1,4-dichloro-2-buten	14.87	53	20459	52.12	ug/L	90
104) 1,2,3-trichloropropane	14.90	110	14665	47.46	ug/L	94
105) n-propylbenzene	14.93	91	298639	46.65	ug/L	97
106) 4-Ethyltoluene	15.03	105	242459	47.19	ug/L	98
107) 2-chlorotoluene	15.08	126	57467	46.20	ug/L	95
108) 4-chlorotoluene	15.17	126	58488	46.34	ug/L	97
109) 1,3,5-trimethylbenzene	15.08	105	222611	46.74	ug/L	100
110) tert-butylbenzene	15.43	119	179101	46.10	ug/L	100
111) pentachloroethane	15.51	167	34799	48.36	ug/L	94
112) 1,2,4-trimethylbenzene	15.47	105	216600	46.56	ug/L	99
113) sec-butylbenzene	15.63	105	270395	46.30	ug/L	100
114) 1,3-dichlorobenzene	15.82	146	106562	44.89	ug/L	99
115) p-isopropyltoluene	15.75	119	218021	46.92	ug/L	100
116) 1,4-dichlorobenzene	15.91	146	104817	43.96	ug/L	99
117) 1,2-dichlorobenzene	16.29	146	101178	45.80	ug/L	99
118) 1,4-Diethylbenzene	16.13	119	128929	50.17	ug/L	100
119) n-butylbenzene	16.16	92	119455	48.73	ug/L	99
120) 1,2,4,5-Tetramethylbenzene	16.92	119	209858	52.31	ug/L	99
121) 1,2-dibromo-3-chloropropan	17.06	157	9505	49.31	ug/L	96
122) 1,3,5-Trichlorobenzene	17.25	180	82617	48.04	ug/L	100
123) 1,2,4-trichlorobenzene	17.88	180	67419	52.15	ug/L	97
124) hexachlorobutadiene	17.99	225	47998	46.40	ug/L	95
125) naphthalene	18.15	128	139589	51.25	ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	61249	50.67	ug/L	98
127) hexachloroethane	16.56	119	41443	48.87	ug/L	97
128) Benzyl chloride	16.02	91	102737	47.72	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110771.D
Acq On : 17 Jun 2014 11:49 pm
Operator : prashans
Sample : ICV4989-50
Misc : MS69200,V3C4989,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:54:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110975.D
Acq On : 23 Jun 2014 10:21 am
Operator : prashans
Sample : CC4989-20
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 12:13:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	58053	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	131458	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	174700	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	114205	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	44790	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	64356	53.74	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.48%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	88413	50.22	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.44%			
74) toluene-d8 (s)	12.09	98	233490	51.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.18%			
99) 4-bromofluorobenzene (s)	14.73	95	77985	57.54	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.08%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.18	88	6552	537.05	ug/L #	100
3) tertiary butyl alcohol	7.43	59	22170	114.92	ug/L	93
6) chlorodifluoromethane	3.98	51	39041	23.65	ug/L	97
7) dichlorodifluoromethane	3.97	85	40637	22.21	ug/L	97
8) chloromethane	4.31	50	42495	18.75	ug/L	99
9) vinyl chloride	4.55	62	35487	19.01	ug/L	97
10) bromomethane	5.21	94	17526	18.17	ug/L	97
11) chloroethane	5.38	64	16329	19.17	ug/L	95
14) trichlorofluoromethane	5.81	101	41946	21.35	ug/L	98
15) ethyl ether	6.23	74	17215	22.45	ug/L	92
16) acrolein	6.47	56	50094	196.37	ug/L	99
17) 1,1-dichloroethene	6.65	61	51540	21.99	ug/L	97
18) acetone	6.70	58	3032	18.29	ug/L	95
19) allyl chloride	7.17	76	16411	21.55	ug/L	93
20) acetonitrile	7.12	40	26939	205.84	ug/L	98
21) iodomethane	6.92	142	41281	22.30	ug/L	98
22) iso-butyl alcohol	9.83	41	12644	231.76	ug/L	95
23) carbon disulfide	7.06	76	96824	20.26	ug/L	98
24) methylene chloride	7.35	84	29405	19.05	ug/L	96
25) methyl acetate	7.16	74	4019	21.59	ug/L	99
26) methyl tert butyl ether	7.68	73	87087	19.74	ug/L	99
27) trans-1,2-dichloroethene	7.73	61	52359	21.66	ug/L	99
28) di-isopropyl ether	8.28	45	127995	21.13	ug/L	95
29) ethyl tert-butyl ether	8.74	59	111954	20.82	ug/L	98
30) 2-butanone	9.00	72	3353	21.37	ug/L	81
31) 1,1-dichloroethane	8.29	63	61190	21.51	ug/L	99
32) chloroprene	8.41	53	56547	23.31	ug/L	99
33) acrylonitrile	7.67	53	48966	104.09	ug/L	98
34) vinyl acetate	8.28	86	4368	21.05	ug/L	77
35) ethyl acetate	9.02	45	4353	22.68	ug/L	47
36) 2,2-dichloropropane	9.03	77	55342	23.22	ug/L	98
37) cis-1,2-dichloroethene	9.03	61	62481	22.22	ug/L	97
38) propionitrile	9.09	54	37708	208.16	ug/L	97

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110975.D
Acq On : 23 Jun 2014 10:21 am
Operator : prashans
Sample : CC4989-20
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 12:13:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	2885	19.76	ug/L		74
40) bromochloromethane	9.34	128	12601	22.15	ug/L	#	86
41) tetrahydrofuran	9.38	72	3616	22.41	ug/L		99
42) chloroform	9.39	83	54543	20.28	ug/L		97
43) tert-Butyl Formate	9.42	59	28200	23.00	ug/L		99
46) freon 113	6.63	151	20494	22.32	ug/L		91
47) methacrylonitrile	9.27	41	18324	21.07	ug/L		97
48) 1,1,1-trichloroethane	9.65	97	48695	22.08	ug/L		96
49) Cyclohexane	9.72	84	47756	22.14	ug/L		96
50) Tert Amyl Alcohol	9.95	73	9205	114.41	ug/L	#	93
51) 2,2,4-trimethylpentane	10.09	57	149080	21.97	ug/L		99
52) tert-amyl methyl ether	10.12	73	94285	19.84	ug/L		99
54) epichlorohydrin	11.71	57	13731	112.20	ug/L		96
55) n-butyl alcohol	10.58	56	44033	1131.08	ug/L		96
56) carbon tetrachloride	9.86	117	42166	23.32	ug/L		96
57) 1,1-dichloropropene	9.82	75	44234	22.31	ug/L		99
58) hexane	8.03	57	53661	23.98	ug/L		95
59) benzene	10.09	78	120887	20.76	ug/L		99
60) heptane	10.26	57	30184	22.00	ug/L		95
61) isopropyl acetate	10.01	87	5675	23.12	ug/L	#	90
62) 1,2-dichloroethane	10.10	62	44775	23.11	ug/L		97
63) trichloroethene	10.80	95	29398	21.96	ug/L		94
64) ethyl acrylate	10.80	55	34019	22.43	ug/L		98
65) Tert-Amyl ethyl ether	10.96	87	43034	22.27	ug/L		99
66) 2-nitropropane	11.56	41	12614	24.56	ug/L		96
67) 2-chloroethyl vinyl ether	11.59	63	64268	123.19	ug/L		99
68) methyl methacrylate	11.07	100	5557	21.86	ug/L	#	91
69) 1,2-dichloropropane	11.06	63	32569	21.02	ug/L		95
70) methylcyclohexane	11.03	83	55309	22.64	ug/L		99
71) dibromomethane	11.22	93	15438	22.65	ug/L		92
72) bromodichloromethane	11.35	83	38192	21.98	ug/L		99
73) cis-1,3-dichloropropene	11.81	75	46784	22.16	ug/L		95
75) 4-methyl-2-pentanone	11.90	58	10081	21.32	ug/L		95
76) toluene	12.17	91	106923	19.30	ug/L		98
77) 3-methyl-1-butanol	11.92	70	13944	440.51	ug/L		96
78) trans-1,3-dichloropropene	12.36	75	40523	21.35	ug/L		90
79) ethyl methacrylate	12.35	69	29997	20.67	ug/L		94
80) 1,1,2-trichloroethane	12.57	97	18236	20.63	ug/L		94
81) 2-hexanone	12.74	58	8649	20.61	ug/L		99
83) tetrachloroethene	12.75	166	22813	21.73	ug/L		98
84) 1,3-dichloropropane	12.75	76	35104	23.12	ug/L		97
85) butyl acetate	12.82	56	16179	24.46	ug/L		95
86) dibromochloromethane	13.01	129	20715	23.67	ug/L		98
87) 1,2-dibromoethane	13.17	107	17302	23.51	ug/L		97
88) 3,3-Dimethyl-1-Butanol	12.91	57	25557	232.10	ug/L		98
89) chlorobenzene	13.62	112	56380	20.71	ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	21208	22.39	ug/L		98
91) ethylbenzene	13.67	91	108595	20.90	ug/L		98
92) m,p-xylene	13.78	106	76641	42.43	ug/L		96
93) o-xylene	14.19	91	88640	21.57	ug/L		98

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110975.D
Acq On : 23 Jun 2014 10:21 am
Operator : prashans
Sample : CC4989-20
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 12:13:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

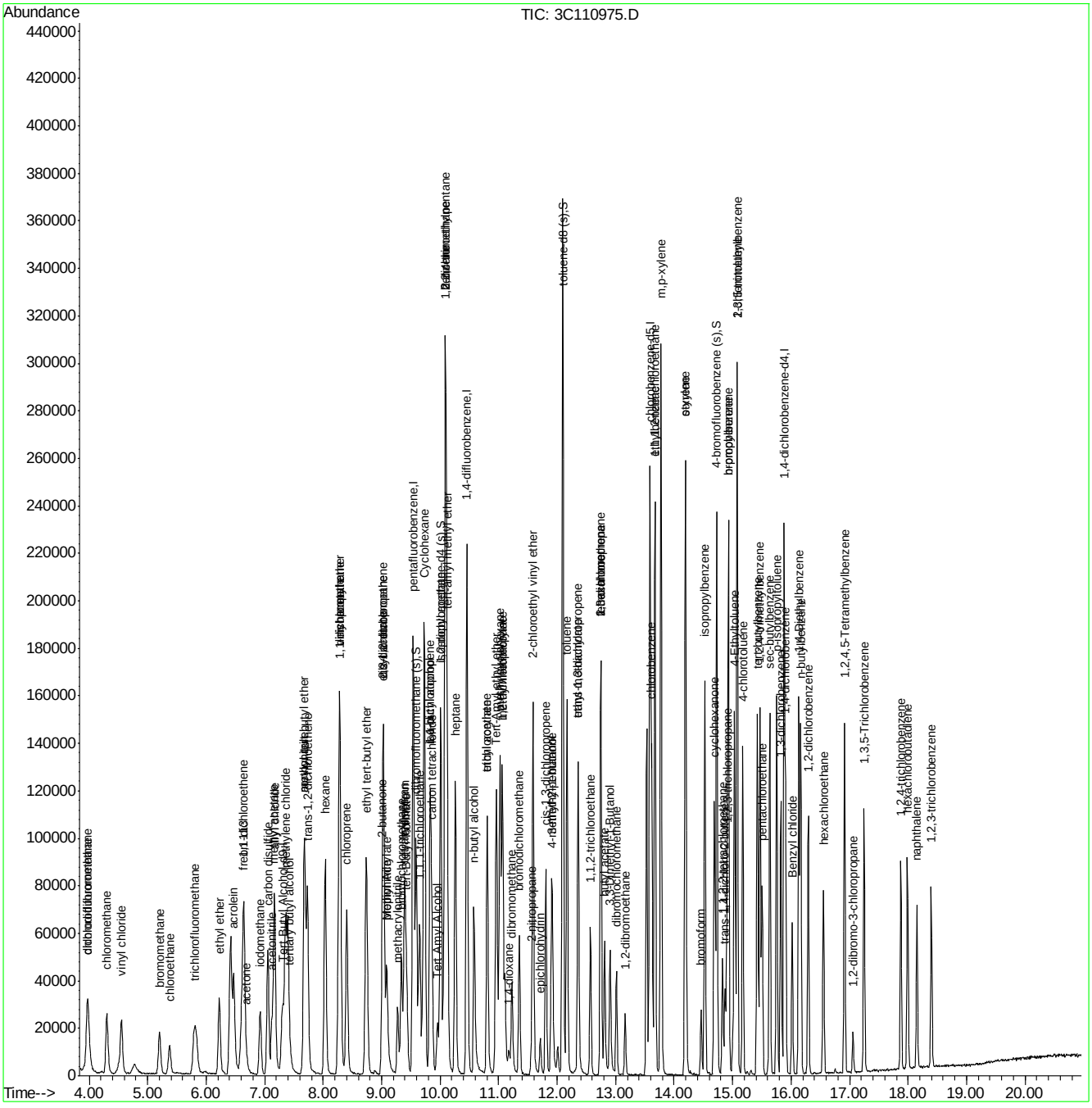
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	56274	21.81	ug/L	97
96) bromoform	14.46	173	11473	22.09	ug/L	93
98) isopropylbenzene	14.53	105	98268	22.15	ug/L	97
100) bromobenzene	14.92	156	20932	22.54	ug/L	91
101) cyclohexanone	14.69	55	47140	234.45	ug/L	90
102) 1,1,2,2-tetrachloroethane	14.83	83	22198	22.90	ug/L	97
103) trans-1,4-dichloro-2-buten	14.87	53	8083	26.70	ug/L	84
104) 1,2,3-trichloropropane	14.90	110	5591	23.46	ug/L	94
105) n-propylbenzene	14.93	91	111894	22.66	ug/L	96
106) 4-Ethyltoluene	15.03	105	88959	22.45	ug/L	99
107) 2-chlorotoluene	15.08	126	21642	22.56	ug/L	94
108) 4-chlorotoluene	15.17	126	20825	21.39	ug/L	91
109) 1,3,5-trimethylbenzene	15.08	105	83680	22.78	ug/L	100
110) tert-butylbenzene	15.43	119	67124	22.40	ug/L	95
111) pentachloroethane	15.51	167	13044	23.50	ug/L	95
112) 1,2,4-trimethylbenzene	15.47	105	79003	22.02	ug/L	100
113) sec-butylbenzene	15.64	105	99639	22.12	ug/L	98
114) 1,3-dichlorobenzene	15.82	146	38110	20.81	ug/L	97
115) p-isopropyltoluene	15.75	119	79231	22.11	ug/L	98
116) 1,4-dichlorobenzene	15.91	146	36928	20.08	ug/L	98
117) 1,2-dichlorobenzene	16.29	146	35273	20.70	ug/L	97
118) 1,4-Diethylbenzene	16.13	119	46087	23.25	ug/L	98
119) n-butylbenzene	16.17	92	43613	23.07	ug/L	99
120) 1,2,4,5-Tetramethylbenzene	16.92	119	72103	23.31	ug/L	97
121) 1,2-dibromo-3-chloropropan	17.06	157	3116	20.96	ug/L	94
122) 1,3,5-Trichlorobenzene	17.25	180	29779	22.45	ug/L	100
123) 1,2,4-trichlorobenzene	17.88	180	23359	23.43	ug/L	100
124) hexachlorobutadiene	17.99	225	18107	22.69	ug/L	100
125) naphthalene	18.15	128	44439	21.16	ug/L	100
126) 1,2,3-trichlorobenzene	18.40	180	20845	22.36	ug/L	99
127) hexachloroethane	16.55	119	14807	22.64	ug/L	97
128) Benzyl chloride	16.02	91	40901	24.63	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110975.D
Acq On : 23 Jun 2014 10:21 am
Operator : prashans
Sample : CC4989-20
Misc : MS69085,V3C4998,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 12:13:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8913.D
Acq On : 17 Jun 2014 11:27 am
Operator : BenM
Sample : ic368-5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 16:16:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.451	65	127276	500.00	ug/L		-0.02
4) pentafluorobenzene	9.930	168	170974	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.895	114	207372	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	182766	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	110758	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.988	113	7814	4.94	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 9.88%#				
46) 1,2-dichloroethane-d4 (s)	10.439	65	7930	5.18	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 10.36%#				
73) toluene-d8 (s)	12.552	98	21860	5.22	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 10.44%#				
96) 4-bromofluorobenzene (s)	15.294	95	9878	5.54	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 11.08%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	2208	106.56	ug/L	#	91
3) tertiary butyl alcohol	7.608	59	6165	24.64	ug/L		87
6) chlorodifluoromethane	3.649	51	11737	4.78	ug/L		98
7) dichlorodifluoromethane	3.628	85	12626	4.50	ug/L		93
9) chloromethane	3.943	50	11775	4.69	ug/L		99
10) vinyl chloride	4.231	62	12880	4.66	ug/L		96
11) bromomethane	4.934	94	8758	5.18	ug/L		97
12) chloroethane	5.133	64	4997	4.77	ug/L		96
13) trichlorofluoromethane	5.657	101	13417	4.53	ug/L		97
14) ethyl ether	6.114	74	3748	5.10	ug/L		96
16) 2-chloropropane	6.329	43	15540	5.90	ug/L		96
17) acrolein	6.449	56	17396	46.47	ug/L		98
18) 1,1-dichloroethene	6.580	61	13541	5.12	ug/L		94
19) acetone	6.722	58	639	4.01	ug/L	#	31
20) allyl chloride	7.209	76	3991	5.60	ug/L	#	67
21) acetonitrile	7.262	40	7857	50.14	ug/L	#	76
22) iodomethane	6.910	142	17905	5.32	ug/L		98
23) iso-butyl alcohol	10.303	41	3704	55.39	ug/L		94
24) carbon disulfide	7.021	76	36159	5.48	ug/L		98
25) methylene chloride	7.451	84	9978	5.22	ug/L		95
26) 1-chloropropane	7.461	41	4130	5.80	ug/L	#	38
27) methyl acetate	7.220	74	1099	3.98	ug/L	#	6
28) methyl tert butyl ether	7.797	73	26974	5.26	ug/L		98
29) trans-1,2-dichloroethene	7.854	61	12368	5.34	ug/L		97
30) di-isopropyl ether	8.478	45	24025	4.74	ug/L		98
31) ethyl tert-butyl ether	9.008	59	24524	4.63	ug/L		97
32) 2-butanone	9.354	72	794	4.12	ug/L	#	7
33) 1,1-dichloroethane	8.525	63	14705	5.13	ug/L		98
34) chloroprene	8.625	53	9545	4.69	ug/L		97
35) acrylonitrile	7.880	53	16240	24.75	ug/L		96
37) ethyl acetate	9.354	45	1231	5.06	ug/L		77
38) 2,2-dichloropropane	9.333	77	13524	5.53	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8913.D
Acq On : 17 Jun 2014 11:27 am
Operator : BenM
Sample : ic368-5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 16:16:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,2-dichloroethene	9.354	61	15061	5.23	ug/L		99
40) propionitrile	9.501	54	13072	48.30	ug/L		96
41) methyl acrylate	9.443	55	8945	5.03	ug/L	#	93
42) bromochloromethane	9.705	128	4749	5.28	ug/L		90
43) tetrahydrofuran	9.736	42	3268	5.47	ug/L		88
44) chloroform	9.768	83	14680	5.17	ug/L		99
47) freon 113	6.533	151	6502	4.82	ug/L		81
48) methacrylonitrile	9.674	41	11486	5.41	ug/L		97
49) 1,1,1-trichloroethane	10.004	97	13769	5.22	ug/L		98
50) tert-amyl methyl ether	10.512	73	23788	4.61	ug/L		100
52) epichlorohydrin	12.211	57	3466	22.88	ug/L		96
53) n-butyl alcohol	11.084	56	11052	204.08	ug/L		97
54) cyclohexane	10.046	84	13380	5.60	ug/L	#	100
55) carbon tetrachloride	10.208	117	12548	5.49	ug/L		98
56) 1,1-dichloropropene	10.193	75	10253	5.37	ug/L		98
57) hexane	8.158	57	8395	5.05	ug/L		97
58) benzene	10.476	78	30123	5.38	ug/L		98
59) isooctane	10.439	57	27415	4.59	ug/L		95
60) heptane	10.633	57	4491	5.03	ug/L		100
61) isopropyl acetate	10.439	43	18223m	3.54	ug/L		
62) 1,2-dichloroethane	10.528	62	8905	5.00	ug/L		98
63) trichloroethene	11.231	95	7489	5.34	ug/L		99
65) 2-nitropropane	12.075	43	15710	5.11	ug/L		99
66) 2-chloroethyl vinyl ether	12.075	63	21166	24.17	ug/L		99
67) methyl methacrylate	11.530	69	4481	4.88	ug/L		94
68) 1,2-dichloropropane	11.519	63	7217	5.14	ug/L		96
69) methylcyclohexane	11.414	83	12459	4.90	ug/L		99
70) dibromomethane	11.687	93	5029	5.17	ug/L		92
71) bromodichloromethane	11.828	83	9691	5.12	ug/L		97
72) cis-1,3-dichloropropene	12.279	75	10574	5.06	ug/L		98
74) 4-methyl-2-pentanone	12.389	58	2972	4.71	ug/L	#	80
75) toluene	12.620	92	15012	5.20	ug/L		100
76) 3-methyl-1-butanol	12.437	70	4079	86.00	ug/L		96
77) trans-1,3-dichloropropene	12.856	75	10166	5.42	ug/L		94
78) ethyl methacrylate	12.835	69	8836	5.21	ug/L		91
79) 1,1,2-trichloroethane	13.076	83	5491	5.13	ug/L		98
80) 2-hexanone	13.255	58	3051	5.51	ug/L		92
82) tetrachloroethene	13.202	166	6441	4.82	ug/L		95
83) 1,3-dichloropropane	13.260	76	9607	5.14	ug/L		95
84) butyl acetate	13.317	56	4486	4.81	ug/L		98
85) dibromochloromethane	13.527	129	8034	5.01	ug/L		98
86) 1,2-dibromoethane	13.674	107	7195	5.13	ug/L		99
87) chlorobenzene	14.130	112	18270	5.28	ug/L		92
88) 1,1,1,2-tetrachloroethane	14.204	131	7947	4.99	ug/L		97
89) ethylbenzene	14.177	91	31885	5.18	ug/L		100
90) m,p-xylene	14.287	106	23610	10.37	ug/L		90
91) o-xylene	14.723	106	12790	5.22	ug/L		99
92) styrene	14.744	104	20633	5.33	ug/L		99
93) bromoform	15.032	173	6464	5.23	ug/L		99
95) isopropylbenzene	15.069	105	33313	5.01	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8913.D
Acq On : 17 Jun 2014 11:27 am
Operator : BenM
Sample : ic368-5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 16:16:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

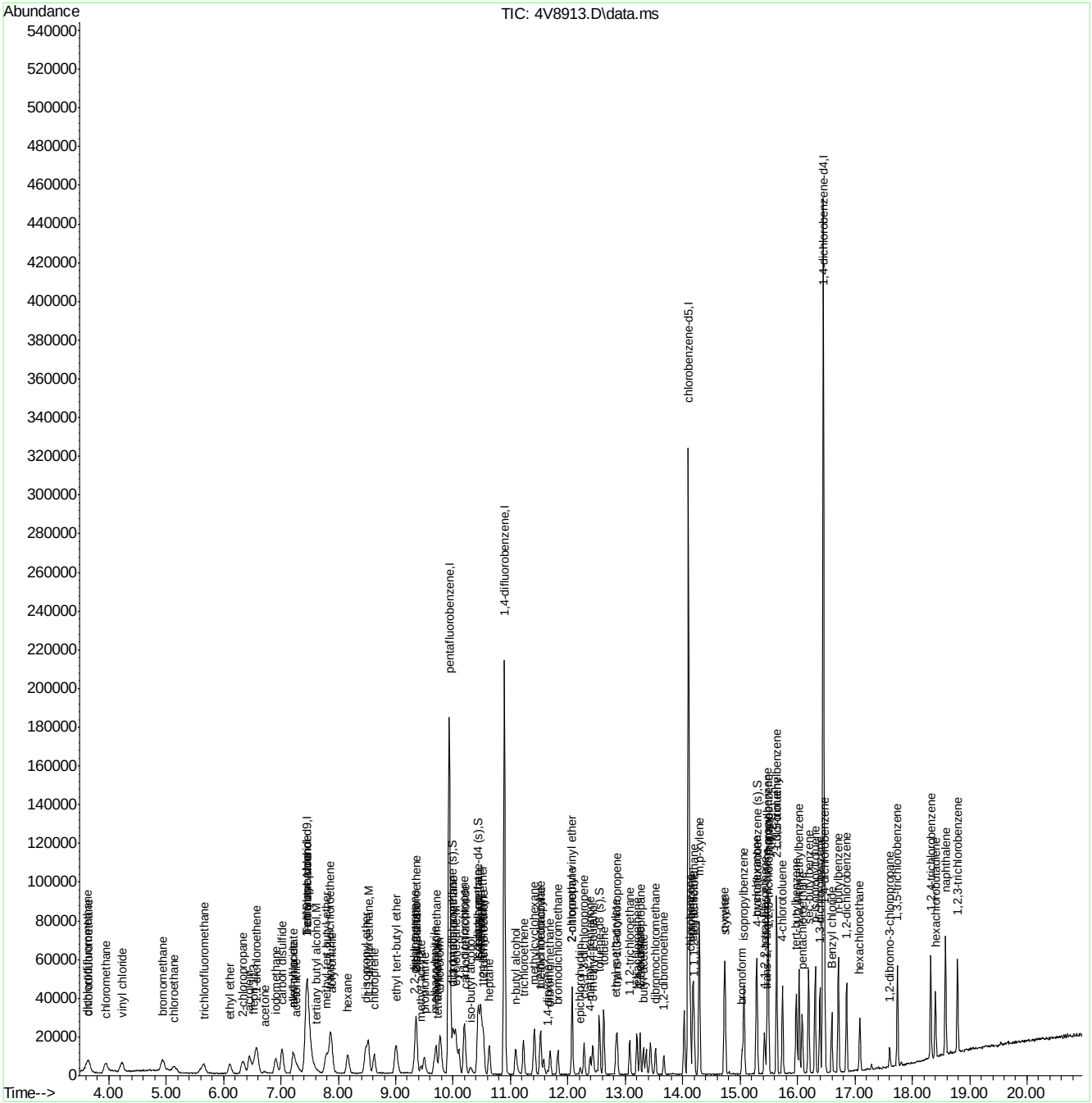
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	bromobenzene	15.488	156	8881	5.42	ug/L	98
98)	cyclohexanone	15.284	55	18329	88.31	ug/L	97
99)	1,1,2,2-tetrachloroethane	15.425	83	12230	5.26	ug/L	98
100)	trans-1,4-dichloro-2-b...	15.462	53	2839	5.20	ug/L	95
101)	1,2,3-trichloropropane	15.499	110	2541	5.35	ug/L	93
102)	n-propylbenzene	15.483	91	41655	5.50	ug/L	99
103)	2-chlorotoluene	15.640	126	8517	5.52	ug/L	90
104)	4-chlorotoluene	15.740	91	25935	5.58	ug/L	98
105)	1,3,5-trimethylbenzene	15.635	105	29356	5.18	ug/L	96
106)	tert-butylbenzene	15.981	119	21576	4.10	ug/L	99
107)	pentachloroethane	16.081	167	5726	4.66	ug/L	98
108)	1,2,4-trimethylbenzene	16.028	105	29587	5.26	ug/L	97
109)	sec-butylbenzene	16.191	105	39645	5.08	ug/L	99
110)	1,3-dichlorobenzene	16.390	146	17972	5.41	ug/L	97
111)	p-isopropyltoluene	16.311	119	32966	5.32	ug/L	99
112)	1,4-dichlorobenzene	16.474	146	18191	5.38	ug/L	99
114)	1,2-dichlorobenzene	16.857	146	18588	5.38	ug/L	99
115)	n-butylbenzene	16.715	92	19153	5.57	ug/L	98
116)	1,2-dibromo-3-chloropr...	17.606	75	2783	5.39	ug/L	97
117)	1,3,5-trichlorobenzene	17.743	180	15914	5.31	ug/L	98
118)	1,2,4-trichlorobenzene	18.325	180	14907	5.18	ug/L	99
119)	hexachlorobutadiene	18.403	225	6891	5.36	ug/L	94
120)	naphthalene	18.576	128	43077	5.15	ug/L	98
121)	1,2,3-trichlorobenzene	18.786	180	14505	5.22	ug/L	96
122)	hexachloroethane	17.082	119	6666	4.57	ug/L	94
123)	Benzyl chloride	16.600	91	23105	5.46	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8913.D
Acq On : 17 Jun 2014 11:27 am
Operator : BenM
Sample : ic368-5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 16:16:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

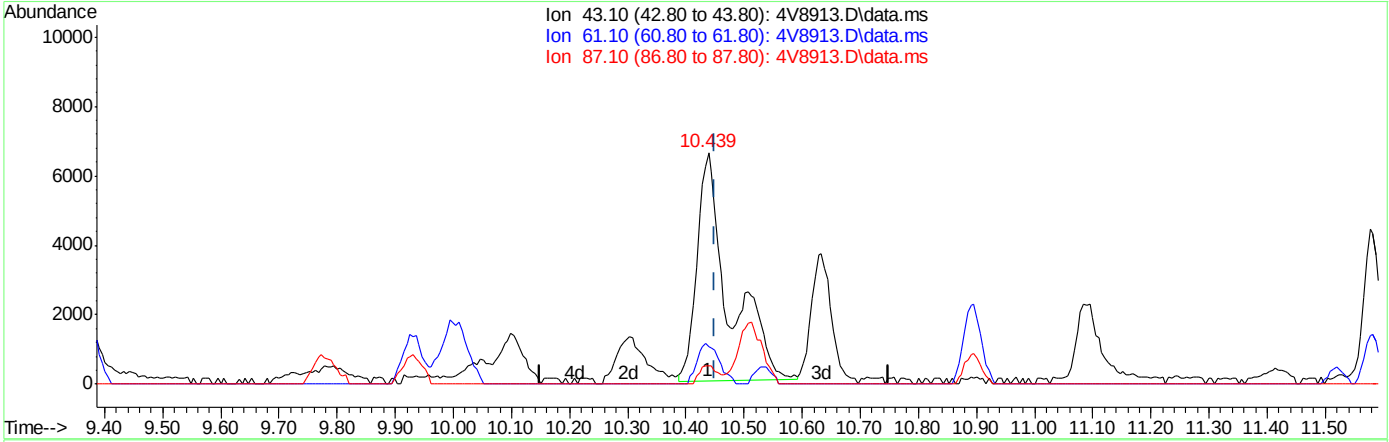


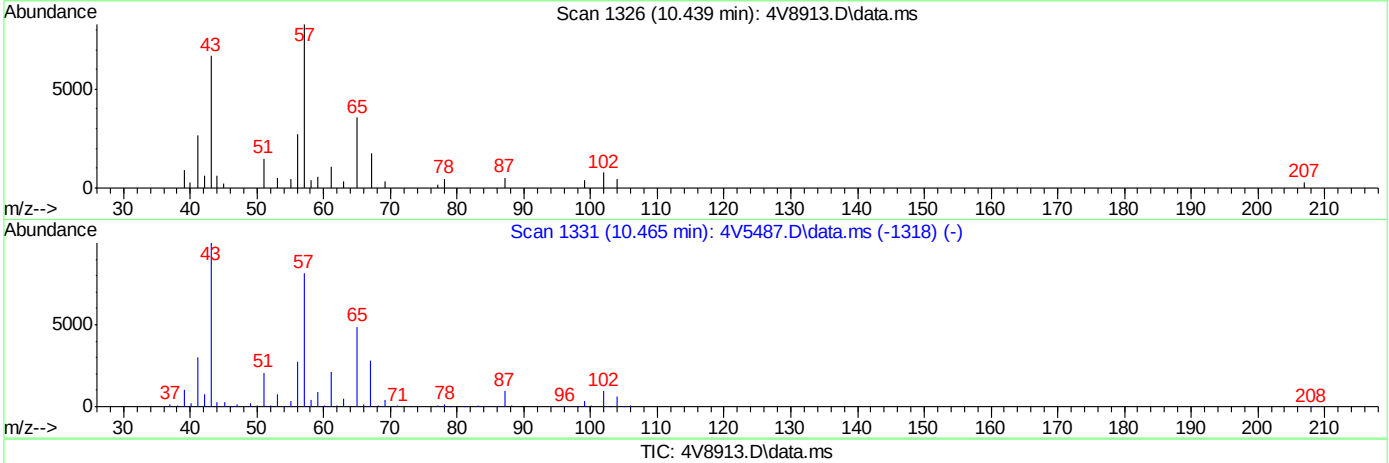
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368InitialRaw\
Data File : 4V8913.D
Acq On : 17 Jun 2014 11:27 am
Operator : BenM
Sample : ic368-5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 17 11:49:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration





TIC: 4V8913.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 4.91ug/L

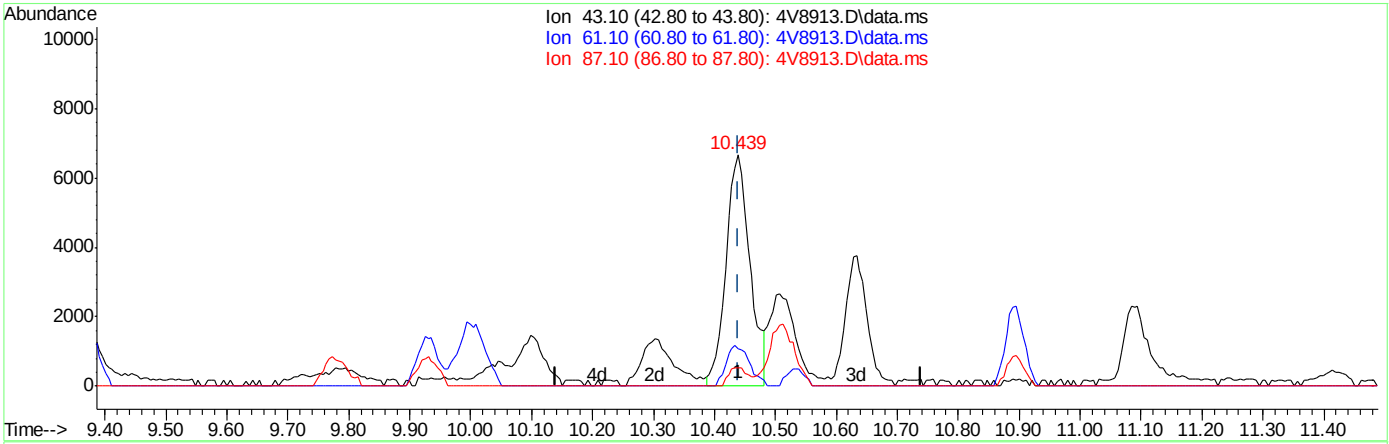
response 25309

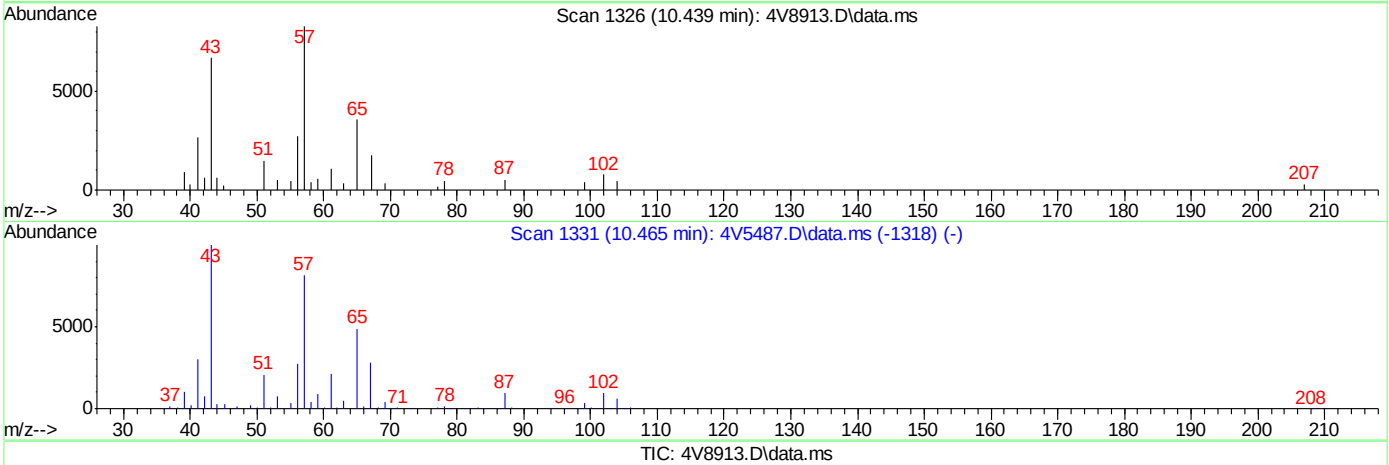
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	12.22
87.10	8.10	5.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8913.D
Acq On : 17 Jun 2014 11:27 am
Operator : BenM
Sample : ic368-5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 16:16:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8913.D\data.ms

(61) isopropyl acetate

10.439min (-0.000) 3.54ug/L m

response 18223

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	16.97
87.10	5.70	7.90
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 14:45:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.461	65	126064	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	171479	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	223165	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	183410	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	113290	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.999	113	3352	2.11	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 4.22%#				
46) 1,2-dichloroethane-d4 (s)	10.444	65	3597	2.34	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 4.68%#				
73) toluene-d8 (s)	12.552	98	10123	2.24	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 4.48%#				
96) 4-bromofluorobenzene (s)	15.294	95	4551	2.50	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 5.00%#				
Target Compounds							Qvalue
3) tertiary butyl alcohol	7.618	59	2640	10.65	ug/L		52
6) chlorodifluoromethane	3.639	51	5279	2.15	ug/L		94
7) dichlorodifluoromethane	3.623	85	5618	2.00	ug/L		90
9) chloromethane	3.938	50	5637	2.24	ug/L		94
10) vinyl chloride	4.231	62	6171	2.22	ug/L		93
11) bromomethane	4.923	94	4155	2.45	ug/L		98
12) chloroethane	5.133	64	2267	2.16	ug/L		97
13) trichlorofluoromethane	5.652	101	6155	2.07	ug/L		96
14) ethyl ether	6.098	74	1392	1.89	ug/L	#	72
17) acrolein	6.444	56	785055	2091.03	ug/L		100
18) 1,1-dichloroethene	6.585	61	5248	1.98	ug/L		96
20) allyl chloride	7.209	76	1351	1.89	ug/L	#	42
21) acetonitrile	7.272	40	2747m	17.48	ug/L		
22) iodomethane	6.916	142	6817	2.02	ug/L		96
23) iso-butyl alcohol	10.303	41	1605	23.93	ug/L		95
24) carbon disulfide	7.026	76	14145	2.14	ug/L		98
25) methylene chloride	7.456	84	3952	2.06	ug/L		94
26) 1-chloropropane	7.445	41	1684	2.36	ug/L	#	1
28) methyl tert butyl ether	7.807	73	10813	2.10	ug/L		94
29) trans-1,2-dichloroethene	7.854	61	4554	1.96	ug/L		90
30) di-isopropyl ether	8.483	45	10870	2.14	ug/L		99
31) ethyl tert-butyl ether	9.008	59	10584	1.99	ug/L		98
33) 1,1-dichloroethane	8.531	63	5560	1.93	ug/L		97
34) chloroprene	8.625	53	3865	1.89	ug/L		94
35) acrylonitrile	7.896	53	6478	9.84	ug/L		94
37) ethyl acetate	9.370	45	518	2.12	ug/L	#	1
38) 2,2-dichloropropane	9.343	77	5308	2.17	ug/L		96
39) cis-1,2-dichloroethene	9.359	61	5905	2.04	ug/L		95
40) propionitrile	9.506	54	5384	19.83	ug/L		88
41) methyl acrylate	9.448	55	3933	2.21	ug/L	#	80
42) bromochloromethane	9.710	128	1711	1.90	ug/L		88
43) tetrahydrofuran	9.742	42	1425	2.38	ug/L	#	58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 14:45:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) chloroform	9.778	83	5783	2.03	ug/L		96
47) freon 113	6.549	151	2530	1.87	ug/L		94
49) 1,1,1-trichloroethane	10.004	97	5235	1.98	ug/L		92
50) tert-amyl methyl ether	10.518	73	10910	2.11	ug/L		93
52) epichlorohydrin	12.217	57	1668	10.23	ug/L		91
53) n-butyl alcohol	11.094	56	5452	93.55	ug/L		90
54) cyclohexane	10.051	84	5004	1.95	ug/L	#	100
55) carbon tetrachloride	10.208	117	4758	1.93	ug/L		95
56) 1,1-dichloropropene	10.198	75	4033	1.96	ug/L		92
57) hexane	8.164	57	3716	2.08	ug/L		93
58) benzene	10.481	78	12279	2.04	ug/L		98
59) isooctane	10.439	57	11757	1.83	ug/L	#	87
60) heptane	10.633	57	2093	2.18	ug/L		92
61) isopropyl acetate	10.439	43	8182m	1.48	ug/L		
62) 1,2-dichloroethane	10.539	62	3708	1.93	ug/L		95
63) trichloroethene	11.231	95	3225	2.13	ug/L		98
65) 2-nitropropane	12.075	43	7222	2.18	ug/L		97
66) 2-chloroethyl vinyl ether	12.075	63	9392	9.96	ug/L		99
67) methyl methacrylate	11.540	69	1757	1.78	ug/L	#	75
68) 1,2-dichloropropane	11.519	63	2933	1.94	ug/L		97
69) methylcyclohexane	11.420	83	5281	1.93	ug/L		97
70) dibromomethane	11.697	93	2146	2.05	ug/L		95
71) bromodichloromethane	11.829	83	4198	2.06	ug/L		99
72) cis-1,3-dichloropropene	12.285	75	4600	2.05	ug/L		94
74) 4-methyl-2-pentanone	12.395	58	1144	1.69	ug/L	#	38
75) toluene	12.625	92	6251	2.01	ug/L		98
76) 3-methyl-1-butanol	12.442	70	1760	34.48	ug/L		88
77) trans-1,3-dichloropropene	12.861	75	4162	2.06	ug/L		95
78) ethyl methacrylate	12.840	69	3530	1.93	ug/L		95
79) 1,1,2-trichloroethane	13.082	83	2371	2.06	ug/L		94
80) 2-hexanone	13.255	58	1159	1.94	ug/L		78
82) tetrachloroethene	13.207	166	2645	1.97	ug/L		89
83) 1,3-dichloropropane	13.260	76	3856	2.05	ug/L		98
84) butyl acetate	13.318	56	2154	2.30	ug/L		88
85) dibromochloromethane	13.527	129	3194	1.98	ug/L		98
86) 1,2-dibromoethane	13.674	107	2858	2.03	ug/L		91
87) chlorobenzene	14.130	112	7321	2.11	ug/L		90
88) 1,1,1,2-tetrachloroethane	14.204	131	3209	2.01	ug/L		98
89) ethylbenzene	14.183	91	13163	2.13	ug/L		95
90) m,p-xylene	14.293	106	9487	4.15	ug/L		98
91) o-xylene	14.723	106	4986	2.03	ug/L		90
92) styrene	14.744	104	8137	2.10	ug/L		98
93) bromoform	15.037	173	2572	2.07	ug/L		92
95) isopropylbenzene	15.069	105	13178	1.94	ug/L		99
97) bromobenzene	15.488	156	3615	2.16	ug/L		96
98) cyclohexanone	15.284	55	7162	33.73	ug/L		96
99) 1,1,2,2-tetrachloroethane	15.425	83	4947	2.08	ug/L		98
100) trans-1,4-dichloro-2-b...	15.462	53	1136	2.03	ug/L		94
101) 1,2,3-trichloropropane	15.499	110	994	2.05	ug/L		86
102) n-propylbenzene	15.483	91	17043	2.20	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 14:45:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

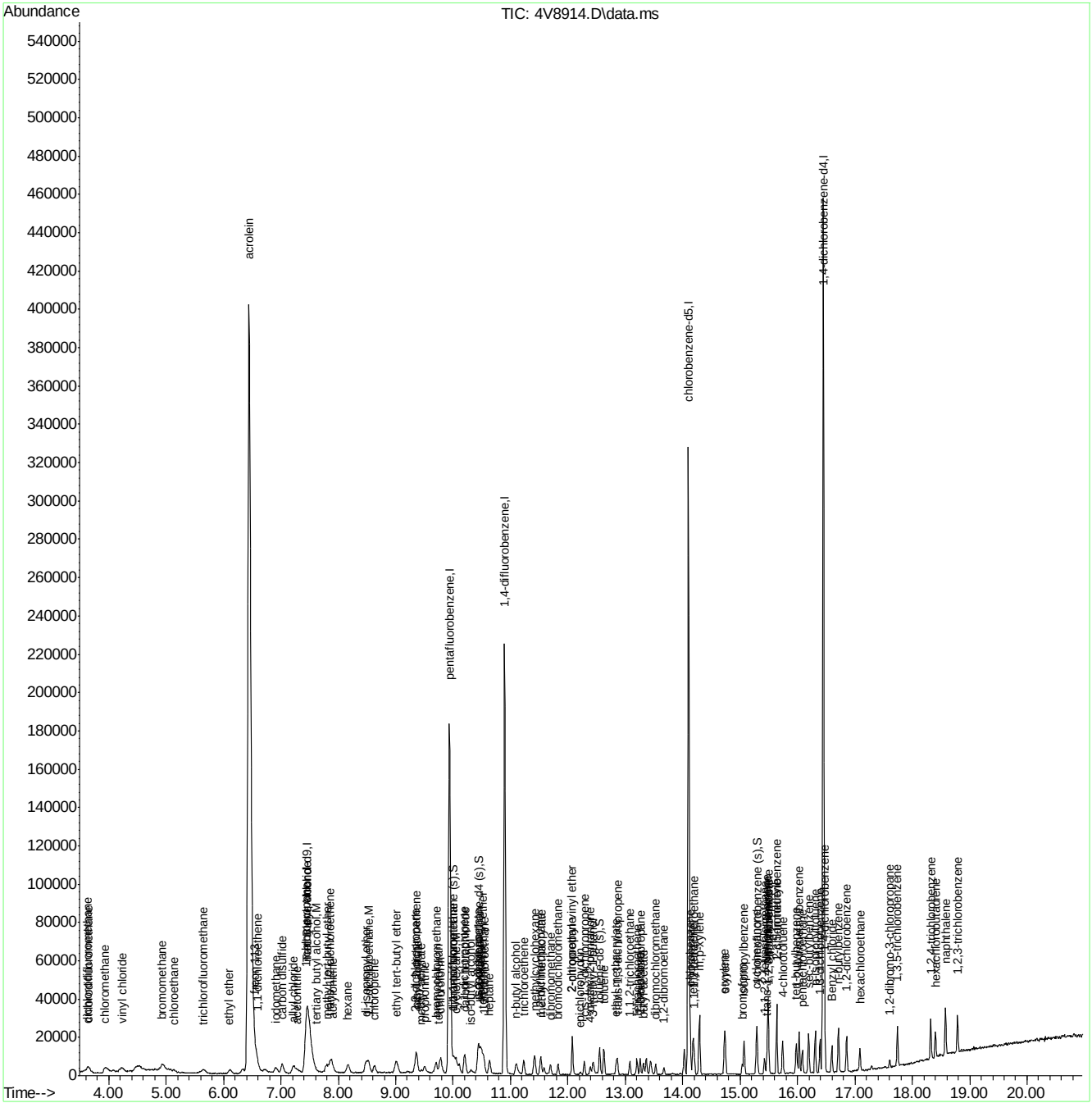
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
103) 2-chlorotoluene	15.640	126	3363	2.13	ug/L	97
104) 4-chlorotoluene	15.745	91	10516	2.21	ug/L	99
105) 1,3,5-trimethylbenzene	15.635	105	11817	2.04	ug/L	97
106) tert-butylbenzene	15.981	119	8901	1.65	ug/L	92
107) pentachloroethane	16.081	167	2361	1.88	ug/L	92
108) 1,2,4-trimethylbenzene	16.028	105	12258	2.13	ug/L	98
109) sec-butylbenzene	16.191	105	15739	1.97	ug/L	97
110) 1,3-dichlorobenzene	16.390	146	7310	2.15	ug/L	98
111) p-isopropyltoluene	16.311	119	13156	2.08	ug/L	98
112) 1,4-dichlorobenzene	16.474	146	7716	2.23	ug/L	97
114) 1,2-dichlorobenzene	16.857	146	7761	2.20	ug/L	98
115) n-butylbenzene	16.715	92	7680	2.19	ug/L	96
116) 1,2-dibromo-3-chloropr...	17.612	75	1298	2.46	ug/L	82
117) 1,3,5-trichlorobenzene	17.743	180	6584	2.15	ug/L	98
118) 1,2,4-trichlorobenzene	18.325	180	6336	2.15	ug/L	96
119) hexachlorobutadiene	18.403	225	2822	2.15	ug/L	95
120) naphthalene	18.576	128	17465	2.04	ug/L	97
121) 1,2,3-trichlorobenzene	18.791	180	5840	2.05	ug/L	99
122) hexachloroethane	17.087	119	2915	1.95	ug/L	89
123) Benzyl chloride	16.600	91	10462	2.42	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 14:45:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

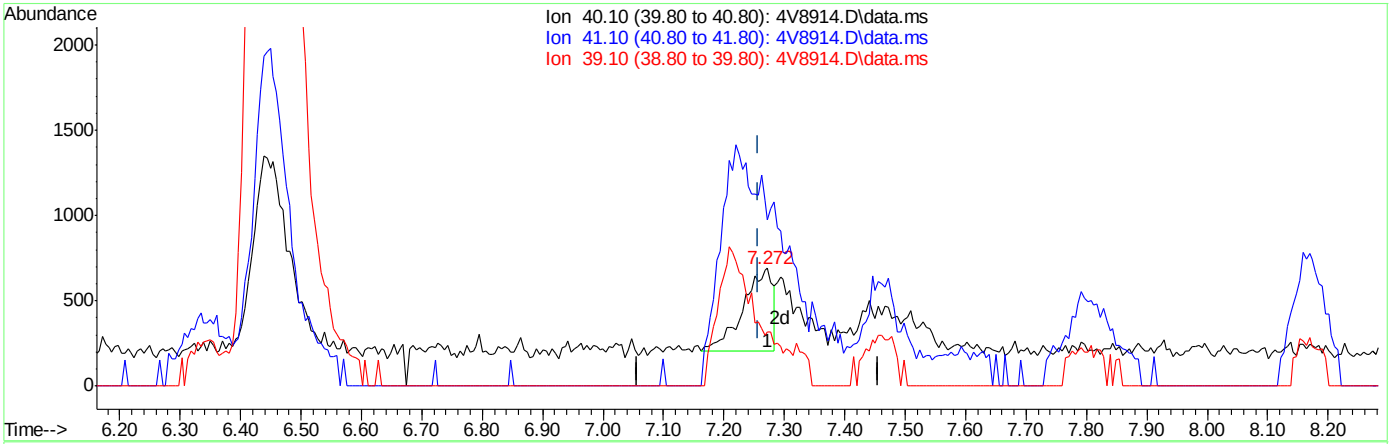
Sample Number:	V4V368-IC368	**Method:**	SW846 8260B
Lab FileID:	4V8914.D	**Analyst approved:**	06/18/14 15:05 Juntae Park
Injection Time:	06/17/14 11:53	**Supervisor approved:**	06/18/14 18:04 Jessica Reitan-Chu

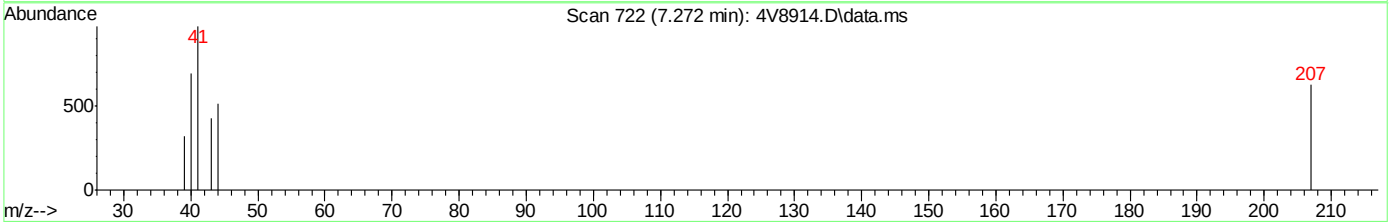
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		7.27	Poorly defined baseline
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

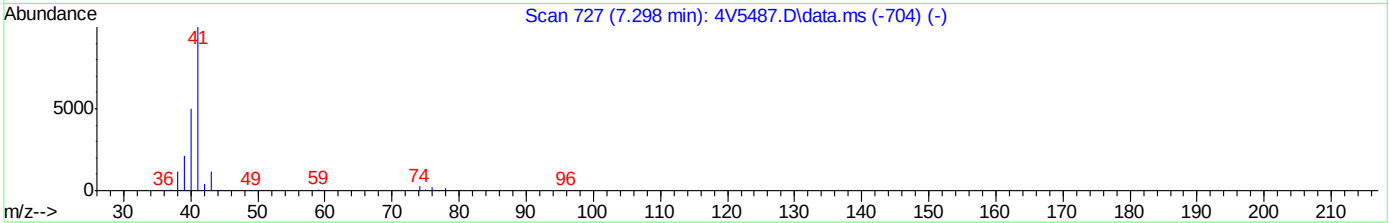
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368Initial\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 17 12:16:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration







TIC: 4V8914.D\data.ms

(21) acetonitrile

7.272min (+0.015) 12.39ug/L

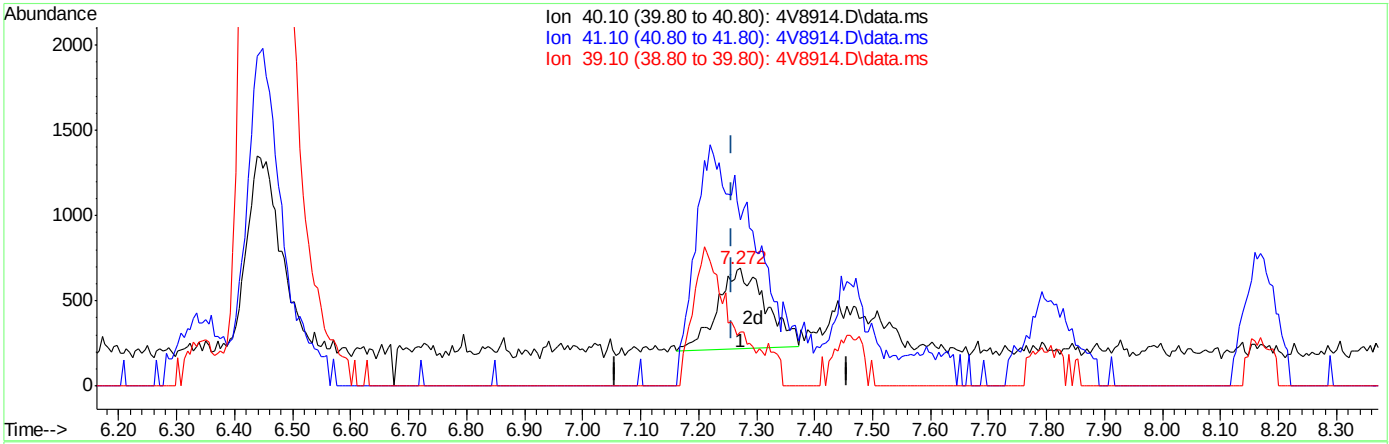
response 1681

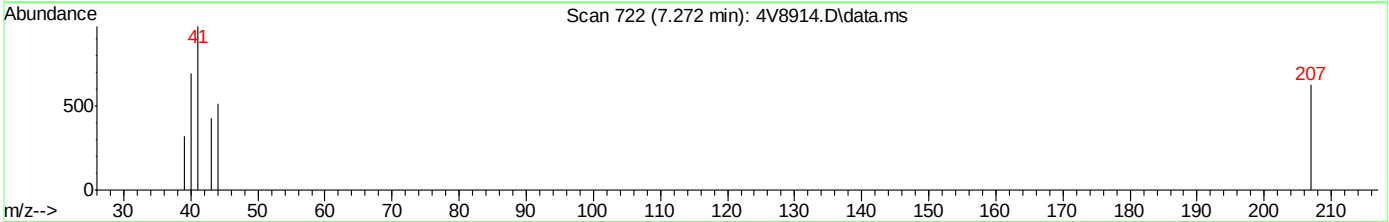
Ion	Exp%	Act%
40.10	100	100
41.10	224.60	200.00
39.10	66.10	65.50
0.00	0.00	0.00

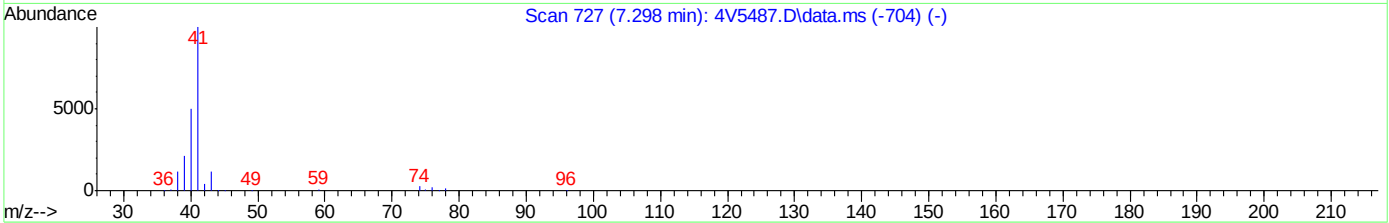
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:55:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8914.D\data.ms

(21) acetonitrile

7.272min (+0.016) 17.48ug/L m

response 2747

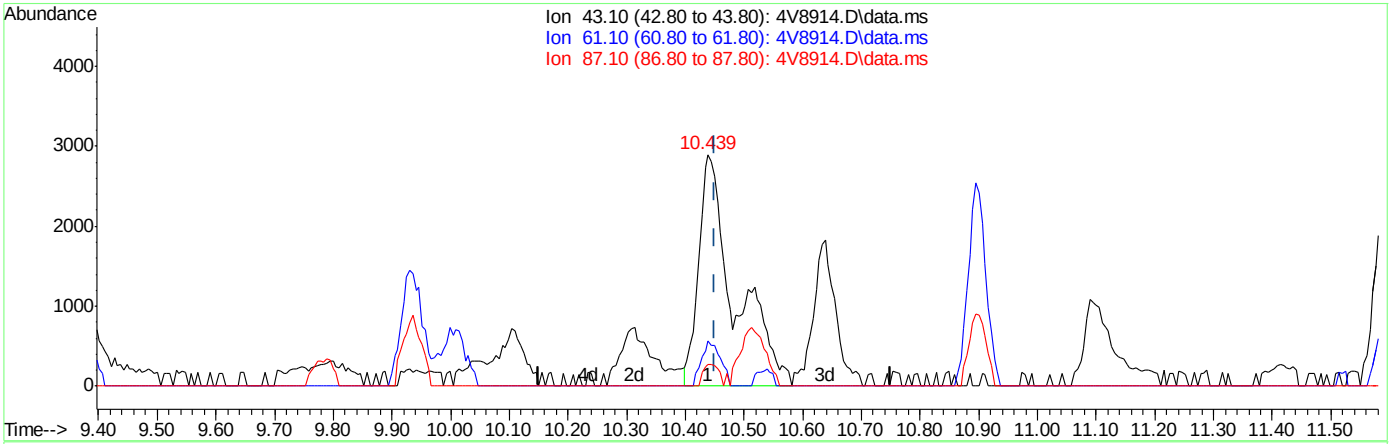
Ion	Exp%	Act%
40.10	100	100
41.10	226.50	140.96#
39.10	61.30	46.16
0.00	0.00	0.00

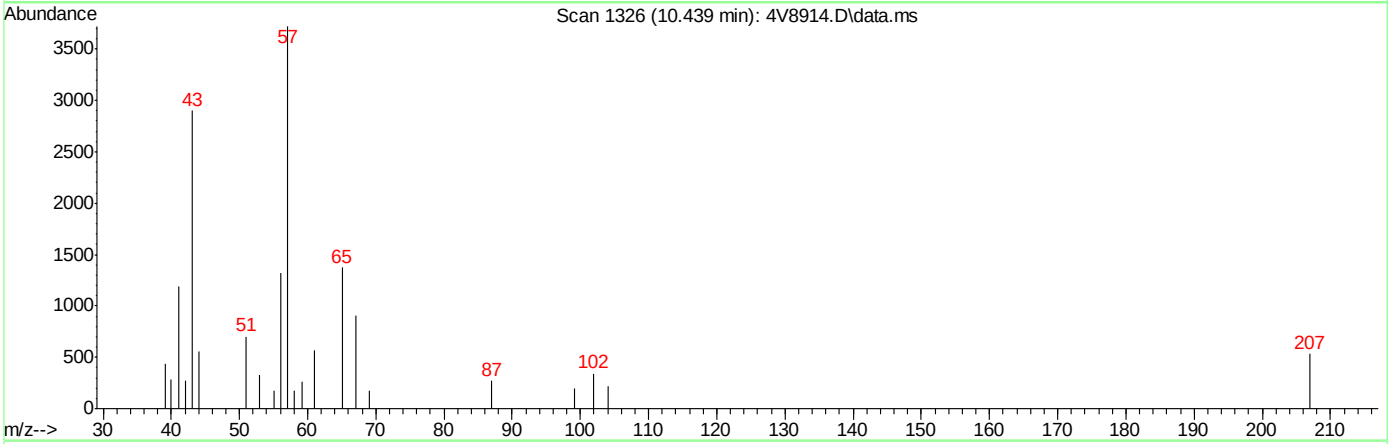
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368InitialRaw\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 17 12:16:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration





TIC: 4V8914.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 2.21ug/L

response 12278

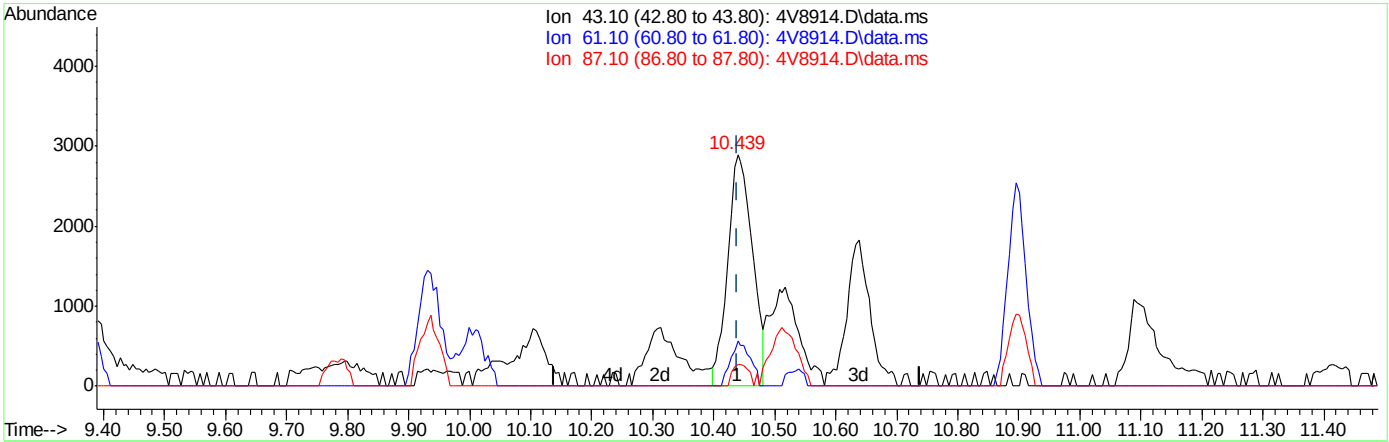
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	10.25
87.10	8.10	4.14
0.00	0.00	0.00

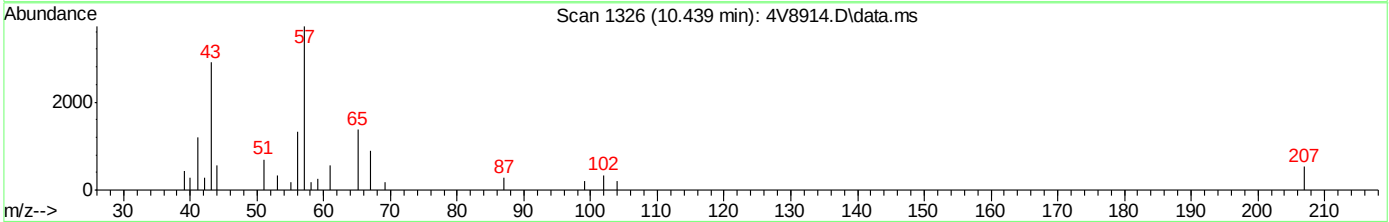
ACCUTEST LABORATORIES JB69534

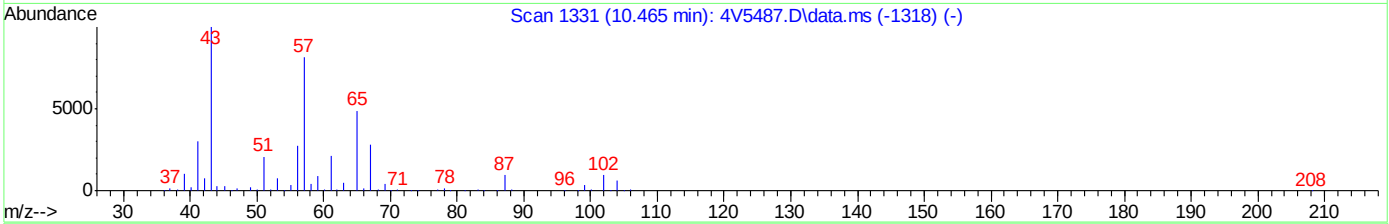
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8914.D
Acq On : 17 Jun 2014 11:53 am
Operator : BenM
Sample : ic368-2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 14:45:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8914.D\data.ms

(61) isopropyl acetate

10.439min (+0.000) 1.48ug/L m

response 8182

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	15.38
87.10	5.70	6.21
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 14:50:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.466	65	127834	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	169110	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	210740	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	181575	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	115711	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	1851	1.16	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	2.32%#			
46) 1,2-dichloroethane-d4 (s)	0.000	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
73) toluene-d8 (s)	0.000	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
96) 4-bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
6) chlorodifluoromethane	3.654	51	2476	1.01	ug/L		65
7) dichlorodifluoromethane	3.618	85	2371	0.90	ug/L	#	50
9) chloromethane	3.938	50	2806	1.06	ug/L		93
10) vinyl chloride	4.226	62	2649	0.95	ug/L		85
11) bromomethane	4.923	94	2057	1.12	ug/L		91
12) chloroethane	5.117	64	917	0.90	ug/L	#	45
13) trichlorofluoromethane	5.647	101	2479	0.86	ug/L		84
14) ethyl ether	6.098	74	559	0.80	ug/L		96
17) acrolein	6.444	56	395192	1055.90	ug/L		99
18) 1,1-dichloroethene	6.596	61	2784	1.10	ug/L		88
20) allyl chloride	7.215	76	578	0.81	ug/L	#	1
22) iodomethane	6.916	142	3505	1.04	ug/L		93
24) carbon disulfide	7.015	76	7910	1.14	ug/L		94
25) methylene chloride	7.450	84	2136	1.07	ug/L		94
28) methyl tert butyl ether	7.796	73	5867	1.08	ug/L		88
29) trans-1,2-dichloroethene	7.854	61	2273	0.99	ug/L		87
30) di-isopropyl ether	8.473	45	4878	0.97	ug/L		96
31) ethyl tert-butyl ether	9.002	59	4586	0.89	ug/L		94
33) 1,1-dichloroethane	8.531	63	2830	1.00	ug/L		95
34) chloroprene	8.630	53	1624	0.88	ug/L		95
35) acrylonitrile	7.891	53	3157	5.14	ug/L		95
38) 2,2-dichloropropane	9.348	77	3004	1.14	ug/L		98
39) cis-1,2-dichloroethene	9.359	61	2946	1.01	ug/L		89
40) propionitrile	9.500	54	2537	9.88	ug/L		69
41) methyl acrylate	9.453	55	1877	1.06	ug/L	#	66
42) bromochloromethane	9.710	128	933	1.10	ug/L		90
43) tetrahydrofuran	9.742	42	678	1.07	ug/L	#	36
44) chloroform	9.773	83	3131	1.04	ug/L		94
49) 1,1,1-trichloroethane	10.014	97	2719	1.04	ug/L		98
50) tert-amyl methyl ether	10.512	73	4832	0.95	ug/L		97
52) epichlorohydrin	12.216	57	706	4.63	ug/L		55
53) n-butyl alcohol	11.105	56	2169	43.11	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 14:50:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) cyclohexane	10.051	84	2664	1.11	ug/L	#	100
55) carbon tetrachloride	10.208	117	2528	1.11	ug/L		95
56) 1,1-dichloropropene	10.193	75	2075	1.07	ug/L		93
57) hexane	8.158	57	1633	1.01	ug/L		79
58) benzene	10.486	78	6442	1.12	ug/L		97
59) isooctane	10.444	57	5122	0.92	ug/L	#	77
60) heptane	10.643	57	840	0.98	ug/L		84
61) isopropyl acetate	10.449	43	3920m	0.71	ug/L		
62) 1,2-dichloroethane	10.539	62	1806	1.04	ug/L		92
63) trichloroethene	11.231	95	1558	1.07	ug/L		93
65) 2-nitropropane	12.080	43	3564	1.05	ug/L		85
66) 2-chloroethyl vinyl ether	12.075	63	3905	4.19	ug/L		97
67) methyl methacrylate	11.540	69	925	1.02	ug/L	#	74
68) 1,2-dichloropropane	11.519	63	1429	1.04	ug/L		97
69) methylcyclohexane	11.419	83	2422	0.97	ug/L		98
70) dibromomethane	11.692	93	958	0.98	ug/L		96
71) bromodichloromethane	11.828	83	2048	1.06	ug/L		94
72) cis-1,3-dichloropropene	12.285	75	2246	1.00	ug/L		94
75) toluene	12.625	92	3156	1.02	ug/L		95
77) trans-1,3-dichloropropene	12.861	75	1973	0.96	ug/L		81
78) ethyl methacrylate	12.846	69	1874	1.06	ug/L		87
79) 1,1,2-trichloroethane	13.076	83	1059	0.96	ug/L		93
80) 2-hexanone	13.260	58	542	0.93	ug/L	#	75
82) tetrachloroethene	13.202	166	1370	1.06	ug/L		96
83) 1,3-dichloropropane	13.260	76	2007	1.03	ug/L		95
84) butyl acetate	13.317	56	971	1.02	ug/L	#	73
85) dibromochloromethane	13.527	129	1613	1.03	ug/L		98
86) 1,2-dibromoethane	13.674	107	1440	1.02	ug/L		89
87) chlorobenzene	14.130	112	3713	1.01	ug/L		92
88) 1,1,1,2-tetrachloroethane	14.203	131	1590	1.06	ug/L		81
89) ethylbenzene	14.182	91	6807	1.09	ug/L		97
90) m,p-xylene	14.293	106	5066	2.17	ug/L		96
91) o-xylene	14.723	106	2573	1.06	ug/L		94
92) styrene	14.749	104	4317	1.06	ug/L		94
93) bromoform	15.037	173	1264	1.02	ug/L		96
95) isopropylbenzene	15.069	105	6896	0.98	ug/L		95
97) bromobenzene	15.488	156	1869	1.04	ug/L		85
99) 1,1,2,2-tetrachloroethane	15.425	83	2624	1.03	ug/L		99
100) trans-1,4-dichloro-2-b...	15.472	53	627	1.11	ug/L		95
101) 1,2,3-trichloropropane	15.493	110	444	0.89	ug/L		87
102) n-propylbenzene	15.488	91	9156	1.05	ug/L		95
103) 2-chlorotoluene	15.645	126	1732	1.01	ug/L	#	87
104) 4-chlorotoluene	15.745	91	5737	1.10	ug/L		98
105) 1,3,5-trimethylbenzene	15.635	105	6215	1.00	ug/L		92
106) tert-butylbenzene	15.986	119	4618m	0.92	ug/L		
107) pentachloroethane	16.086	167	1106	0.93	ug/L		87
108) 1,2,4-trimethylbenzene	16.028	105	6398	1.00	ug/L		99
109) sec-butylbenzene	16.191	105	8543	1.02	ug/L		99
110) 1,3-dichlorobenzene	16.390	146	3950	1.08	ug/L		97
111) p-isopropyltoluene	16.311	119	7297	1.03	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 14:50:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,4-dichlorobenzene	16.474	146	3979	1.02	ug/L	89
114) 1,2-dichlorobenzene	16.862	146	4071	1.04	ug/L	92
115) n-butylbenzene	16.715	92	3897	1.00	ug/L	96
117) 1,3,5-trichlorobenzene	17.743	180	3558	1.10	ug/L	98
118) 1,2,4-trichlorobenzene	18.325	180	3618	1.17	ug/L	92
119) hexachlorobutadiene	18.403	225	1468	1.02	ug/L	98
120) naphthalene	18.576	128	9396	1.08	ug/L	98
121) 1,2,3-trichlorobenzene	18.791	180	3155	1.09	ug/L	96
122) hexachloroethane	17.082	119	1436	0.99	ug/L	86
123) Benzyl chloride	16.600	91	4915	1.02	ug/L	97

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

7.6.15

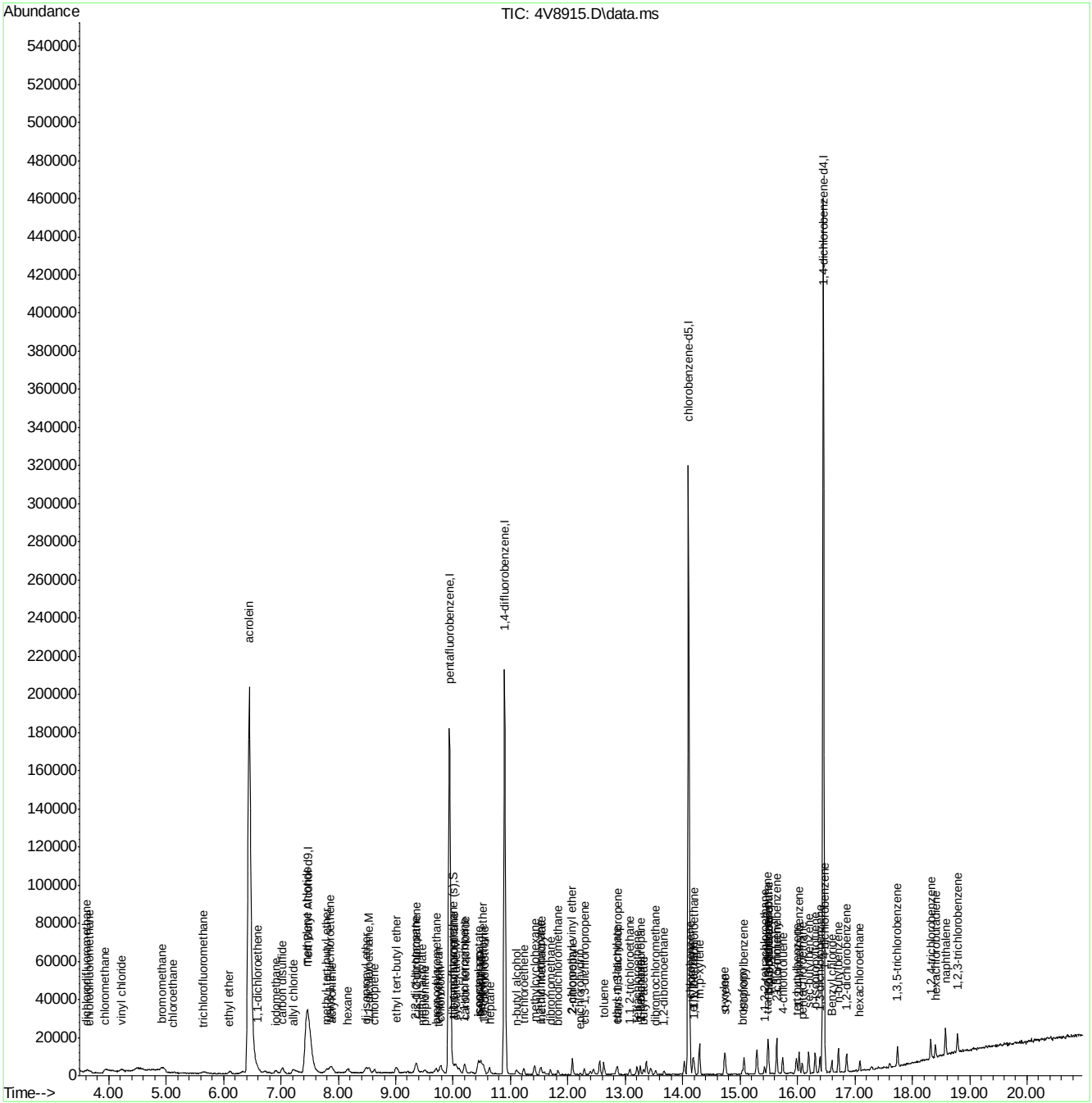
7

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 14:50:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8915.D
Injection Time: 06/17/14 12:19

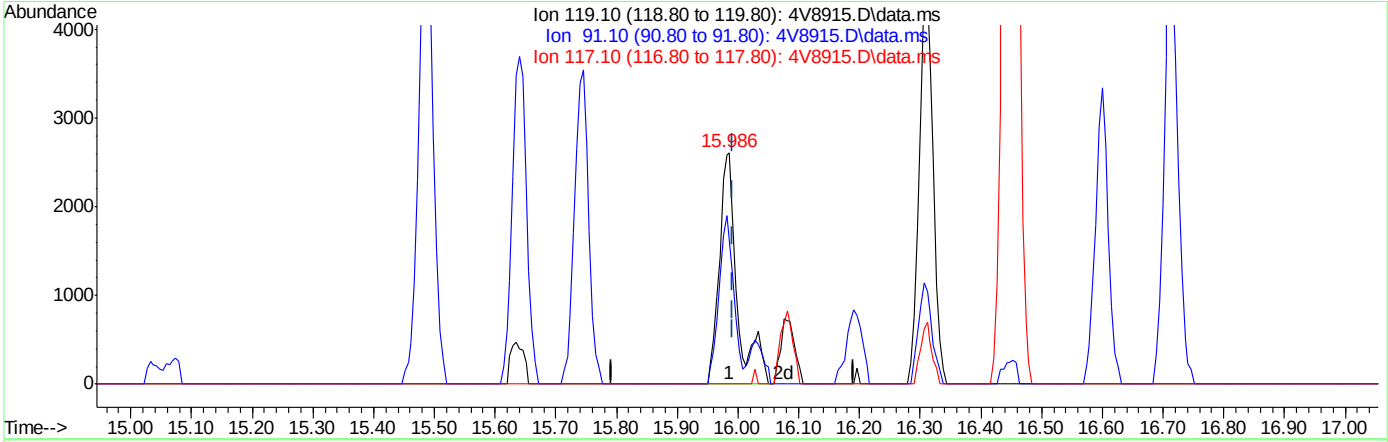
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

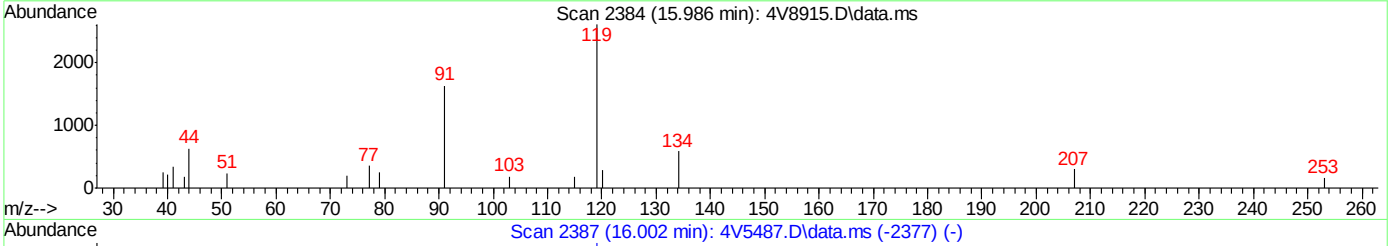
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.45	Poorly defined baseline
tert-Butylbenzene	98-06-6		15.99	Poorly defined baseline

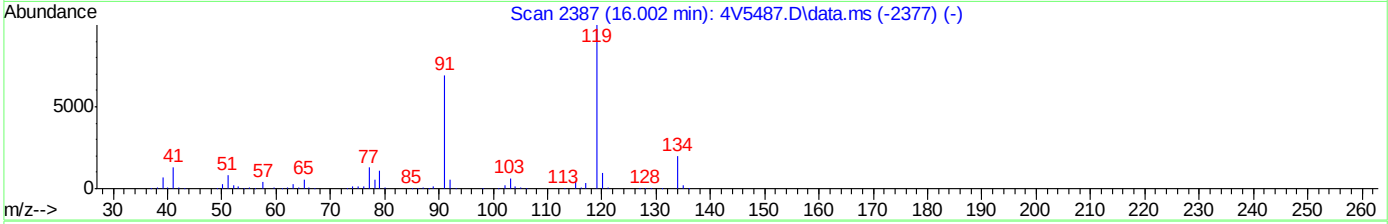
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368InitialRaw\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 12:42:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration







TIC: 4V8915.D\data.ms

(106) tert-butylbenzene

15.986min (-0.006) 1.08ug/L

response 5368

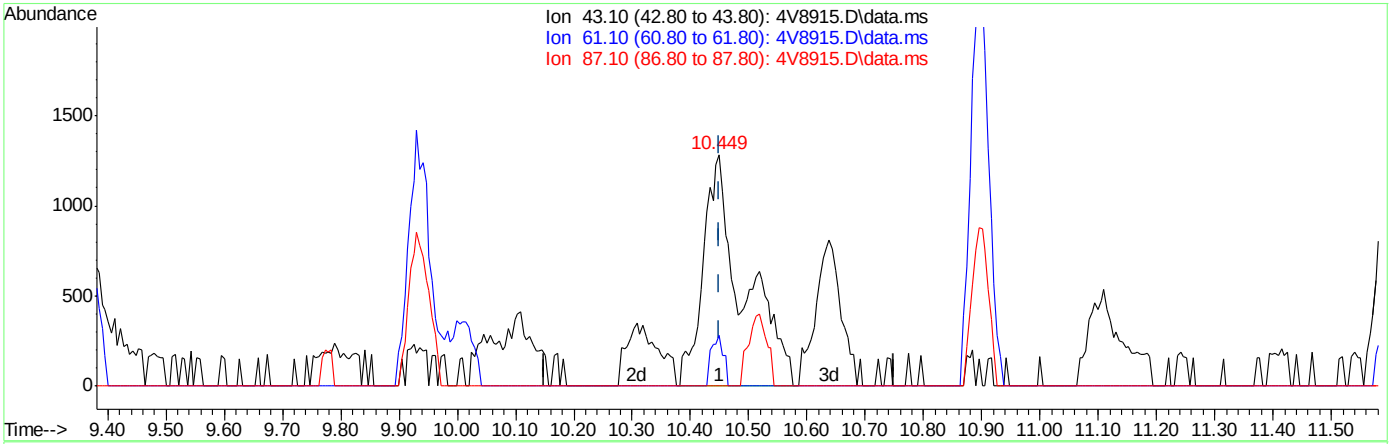
Ion	Exp%	Act%
119.10	100	100
91.10	69.80	62.45
117.10	3.40	0.00
0.00	0.00	0.00

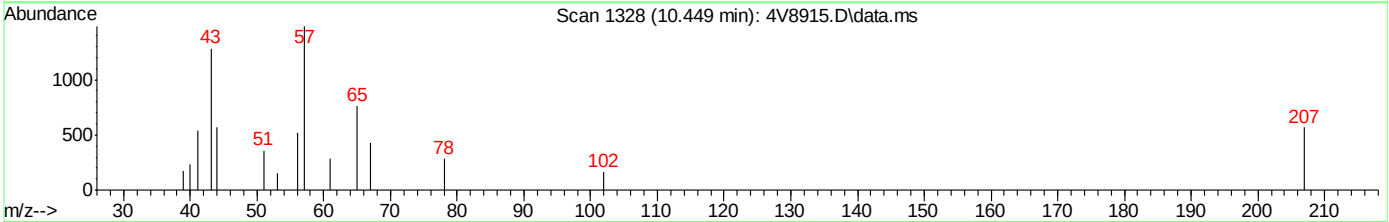
ACCUTEST LABORATORIES JB69534

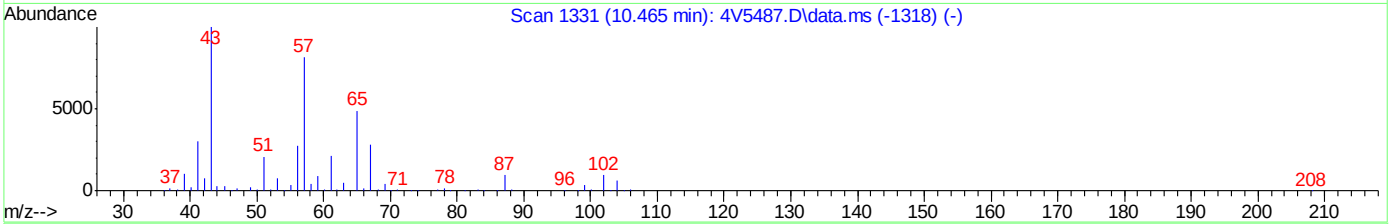
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368InitialRaw\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 12:42:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration







TIC: 4V8915.D\data.ms

(61) isopropyl acetate

10.449min (-0.001) 1.17ug/L

response 6131

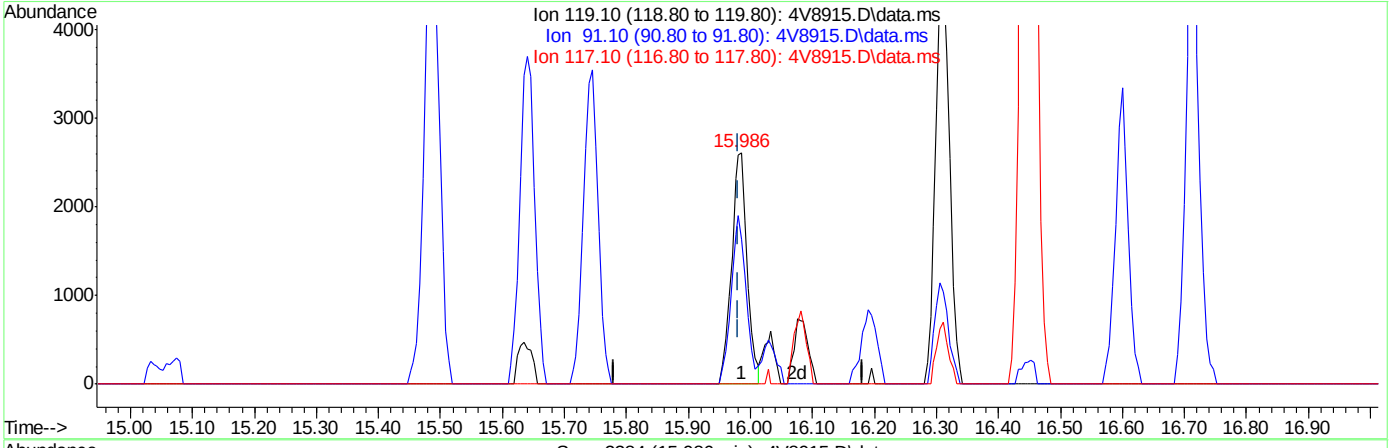
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	6.59
87.10	8.10	0.00
0.00	0.00	0.00

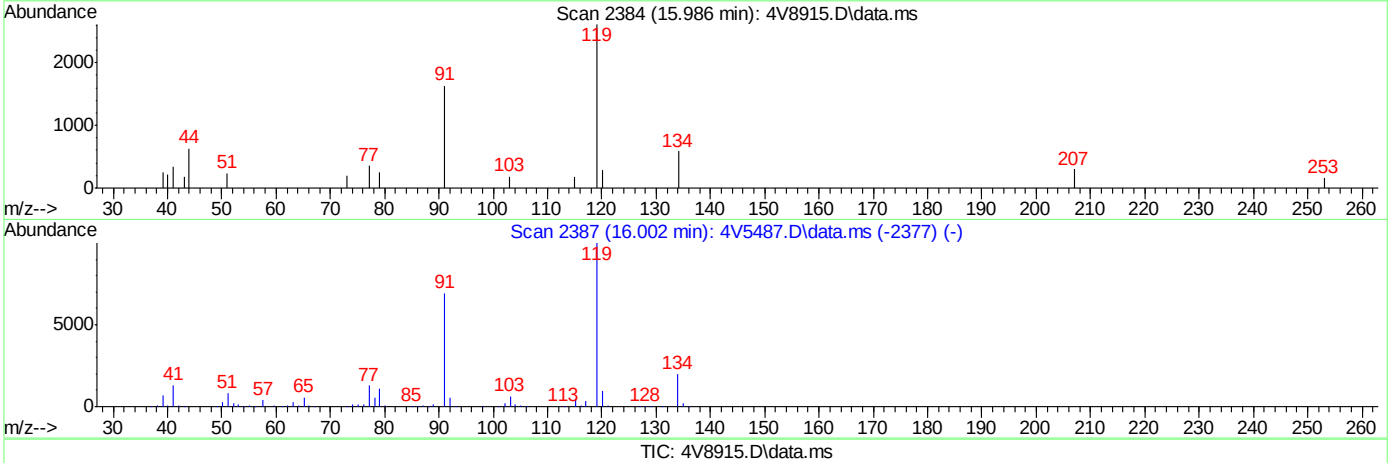
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 14:43:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration





TIC: 4V8915.D\data.ms

(106) tert-butylbenzene

15.986min (+0.005) 0.92ug/L m

response 4618

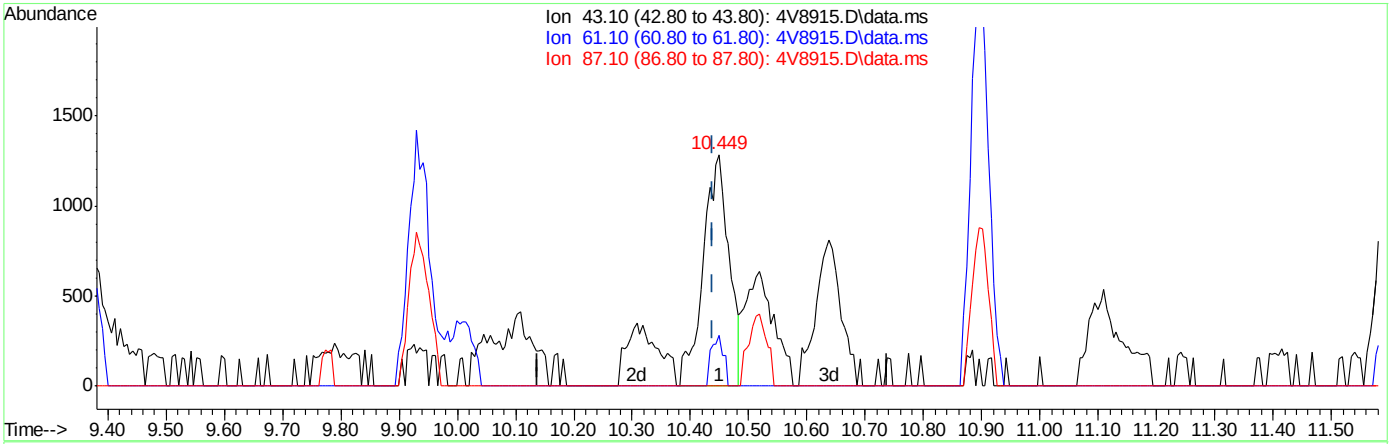
Ion	Exp%	Act%
119.10	100	100
91.10	68.20	62.45
117.10	3.40	0.00
0.00	0.00	0.00

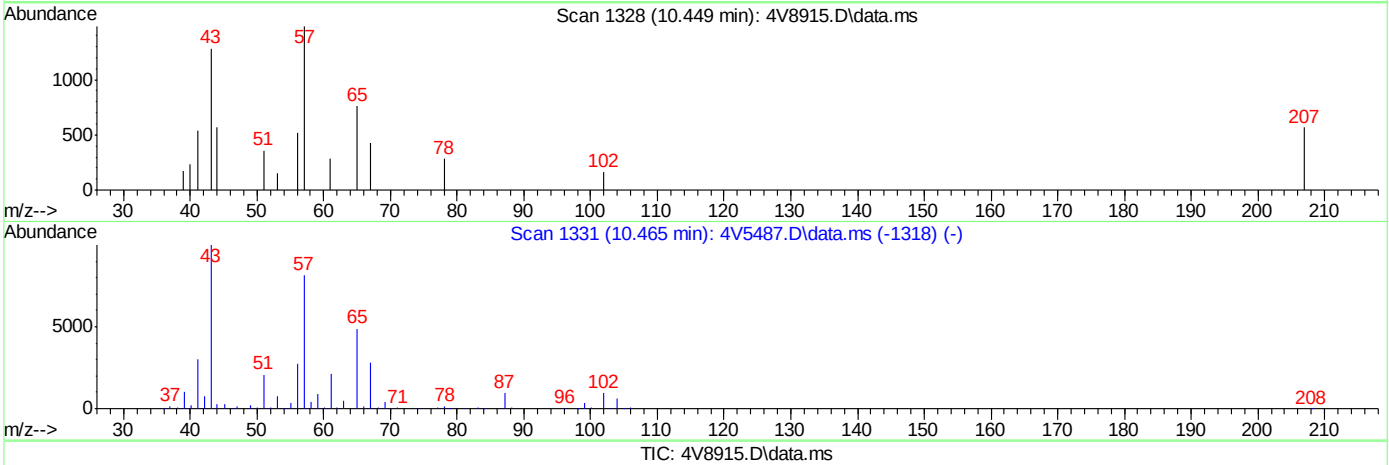
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 14:43:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration





TIC: 4V8915.D\data.ms

(61) isopropyl acetate

10.449min (+0.010) 0.71ug/L m

response 3920

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	10.31
87.10	5.70	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 10:36:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.466	65	125842	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	164695	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.895	114	204312	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	180062	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	106235	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
46) 1,2-dichloroethane-d4 (s)	0.000	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
73) toluene-d8 (s)	0.000	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
96) 4-bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
6) chlorodifluoromethane	3.628	51	1244	0.53	ug/L		65
9) chloromethane	3.938	50	1356	0.56	ug/L		78
10) vinyl chloride	4.215	62	1346	0.51	ug/L	#	50
17) acrolein	6.454	56	2025	5.62	ug/L		85
18) 1,1-dichloroethene	6.580	61	1048	0.41	ug/L	#	64
22) iodomethane	6.900	142	1268	0.39	ug/L		84
24) carbon disulfide	7.010	76	3627	0.57	ug/L		78
25) methylene chloride	7.450	84	911	0.49	ug/L		79
28) methyl tert butyl ether	7.791	73	2466	0.50	ug/L		71
29) trans-1,2-dichloroethene	7.854	61	1047	0.47	ug/L		92
30) di-isopropyl ether	8.489	45	2616	0.54	ug/L		85
31) ethyl tert-butyl ether	9.002	59	2174	0.43	ug/L		95
33) 1,1-dichloroethane	8.525	63	1230	0.45	ug/L		89
35) acrylonitrile	7.901	53	1180	1.87	ug/L		90
38) 2,2-dichloropropane	9.338	77	1226	0.52	ug/L	#	45
39) cis-1,2-dichloroethene	9.354	61	1246	0.45	ug/L		83
40) propionitrile	9.516	54	1002	3.84	ug/L		54
44) chloroform	9.773	83	1540	0.56	ug/L		88
49) 1,1,1-trichloroethane	10.009	97	1103	0.43	ug/L		77
50) tert-amyl methyl ether	10.512	73	2545	0.51	ug/L		84
52) epichlorohydrin	12.216	57	321	2.15	ug/L		55
53) n-butyl alcohol	11.115	56	1196	22.42	ug/L		84
54) cyclohexane	10.046	84	1077	0.46	ug/L	#	100
55) carbon tetrachloride	10.214	117	936	0.42	ug/L		91
56) 1,1-dichloropropene	10.193	75	861	0.46	ug/L		84
57) hexane	8.174	57	646	0.39	ug/L	#	65
58) benzene	10.486	78	2911	0.53	ug/L		92
59) isooctane	10.444	57	2363	0.40	ug/L		94
60) heptane	10.633	57	343	0.39	ug/L	#	50
62) 1,2-dichloroethane	10.539	62	759	0.43	ug/L	#	50
63) trichloroethene	11.231	95	632	0.46	ug/L		96
65) 2-nitropropane	12.080	43	1909	0.63	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 10:36:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

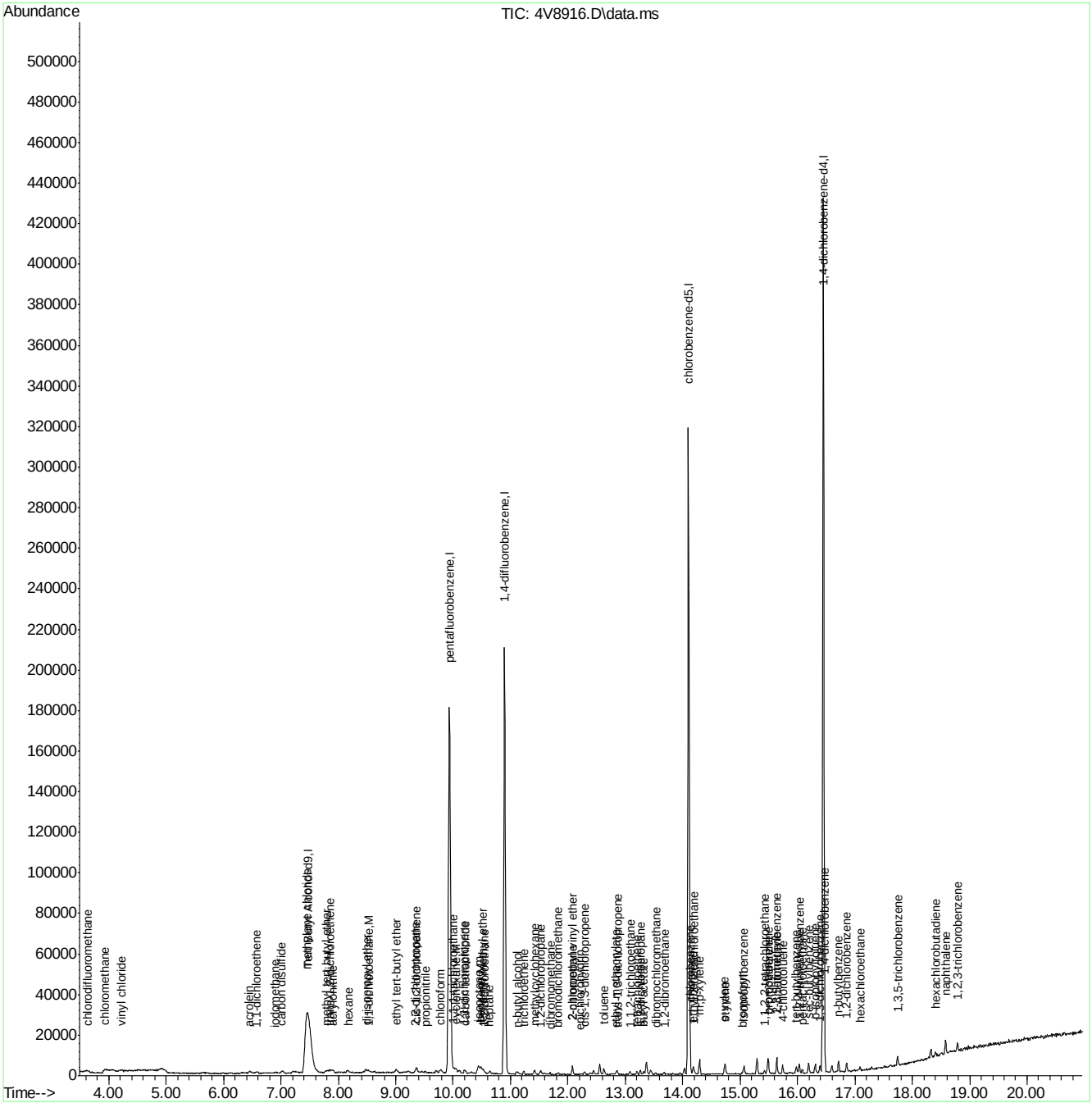
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
66) 2-chloroethyl vinyl ether	12.080	63	2067	2.40	ug/L		98
68) 1,2-dichloropropane	11.519	63	574	0.42	ug/L	#	44
69) methylcyclohexane	11.425	83	975	0.39	ug/L		93
70) dibromomethane	11.692	93	371	0.39	ug/L		86
71) bromodichloromethane	11.828	83	884	0.47	ug/L		92
72) cis-1,3-dichloropropene	12.285	75	1043	0.51	ug/L		89
75) toluene	12.631	92	1446	0.51	ug/L		98
77) trans-1,3-dichloropropene	12.867	75	980	0.53	ug/L		91
78) ethyl methacrylate	12.840	69	831	0.50	ug/L		71
79) 1,1,2-trichloroethane	13.087	83	464	0.44	ug/L		82
82) tetrachloroethene	13.207	166	536	0.41	ug/L		85
83) 1,3-dichloropropane	13.260	76	890	0.48	ug/L		83
84) butyl acetate	13.323	56	431	0.47	ug/L	#	53
85) dibromochloromethane	13.532	129	739	0.47	ug/L		84
86) 1,2-dibromoethane	13.679	107	640	0.46	ug/L		85
87) chlorobenzene	14.130	112	1828	0.54	ug/L		97
88) 1,1,1,2-tetrachloroethane	14.198	131	651	0.41	ug/L		93
89) ethylbenzene	14.183	91	3201	0.53	ug/L		96
90) m,p-xylene	14.293	106	2223	0.99	ug/L		73
91) o-xylene	14.723	106	1068	0.44	ug/L		99
92) styrene	14.749	104	1929	0.51	ug/L		94
93) bromoform	15.037	173	553	0.45	ug/L		85
95) isopropylbenzene	15.069	105	3195	0.50	ug/L		95
97) bromobenzene	15.488	156	846	0.54	ug/L		90
99) 1,1,2,2-tetrachloroethane	15.425	83	1188	0.53	ug/L		93
102) n-propylbenzene	15.488	91	4180	0.58	ug/L		95
103) 2-chlorotoluene	15.640	126	774m	0.52	ug/L		
104) 4-chlorotoluene	15.745	91	2574	0.58	ug/L		95
105) 1,3,5-trimethylbenzene	15.635	105	2937	0.54	ug/L		96
106) tert-butylbenzene	15.981	119	2007	0.40	ug/L		99
107) pentachloroethane	16.081	167	449	0.38	ug/L	#	67
108) 1,2,4-trimethylbenzene	16.033	105	3087	0.57	ug/L		94
109) sec-butylbenzene	16.196	105	3807	0.51	ug/L		91
110) 1,3-dichlorobenzene	16.395	146	1796	0.56	ug/L		97
111) p-isopropyltoluene	16.306	119	3316	0.56	ug/L		97
112) 1,4-dichlorobenzene	16.474	146	1869	0.58	ug/L		87
114) 1,2-dichlorobenzene	16.856	146	1895	0.57	ug/L		87
115) n-butylbenzene	16.715	92	1802	0.55	ug/L		96
117) 1,3,5-trichlorobenzene	17.748	180	1730	0.60	ug/L		91
119) hexachlorobutadiene	18.408	225	650	0.53	ug/L		90
120) naphthalene	18.576	128	4459	0.56	ug/L		92
121) 1,2,3-trichlorobenzene	18.791	180	1548	0.58	ug/L		97
122) hexachloroethane	17.087	119	601	0.43	ug/L		85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 10:36:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

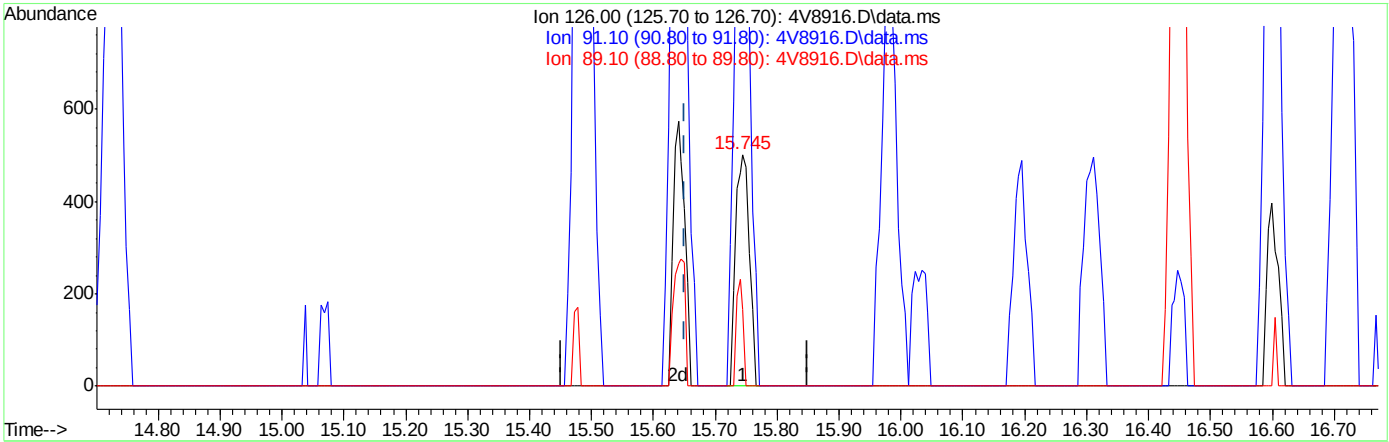
Sample Number:	V4V368-IC368	**Method:**	SW846 8260B
Lab FileID:	4V8916.D	**Analyst approved:**	06/18/14 15:05 Juntae Park
Injection Time:	06/17/14 12:46	**Supervisor approved:**	06/18/14 18:04 Jessica Reitan-Chu

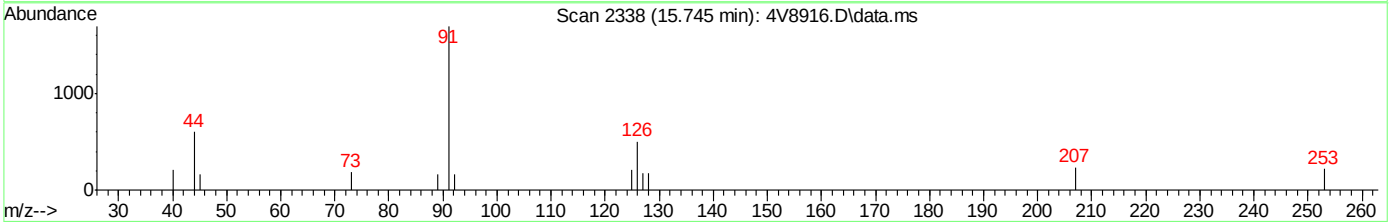
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Chlorotoluene	95-49-8		15.64	Poorly defined baseline

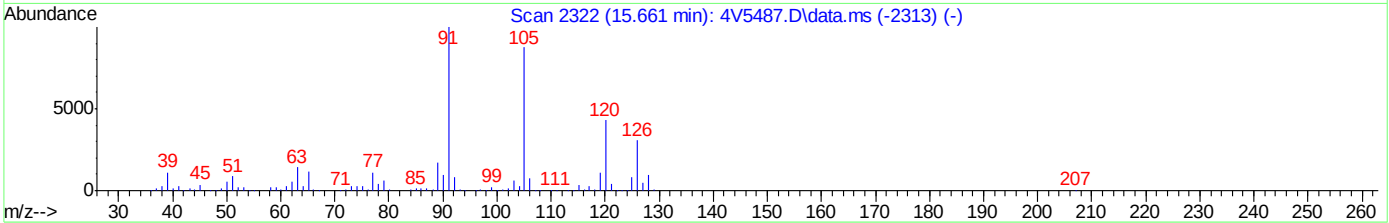
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368Initial\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 13:08:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration







TIC: 4V8916.D\data.ms

(103) 2-chlorotoluene

15.745min (+0.094) 0.53ug/L

response 796

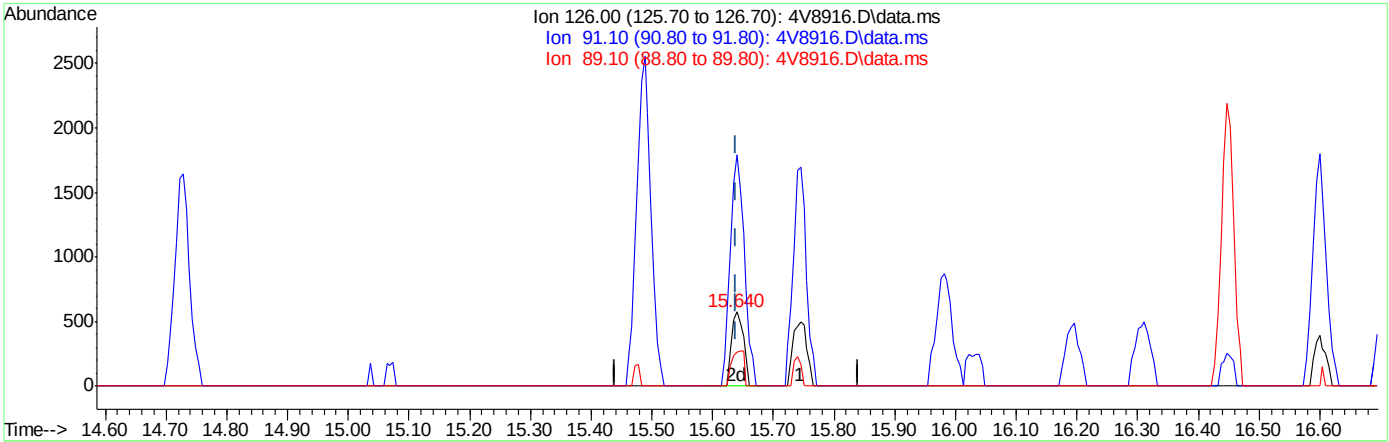
Ion	Exp%	Act%
126.00	100	100
91.10	323.60	337.25
89.10	56.40	33.07
0.00	0.00	0.00

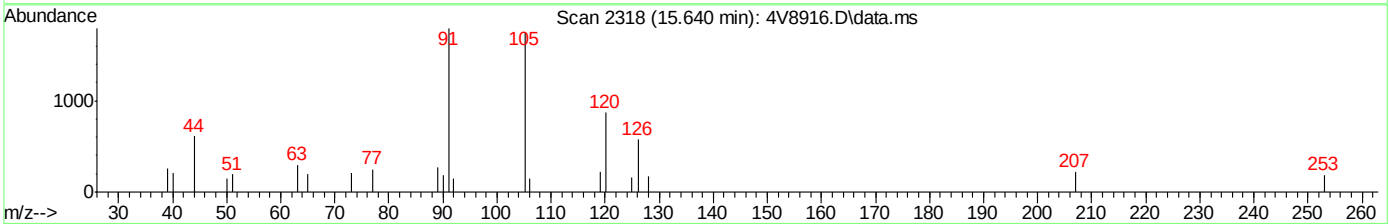
ACCUTEST LABORATORIES JB69534

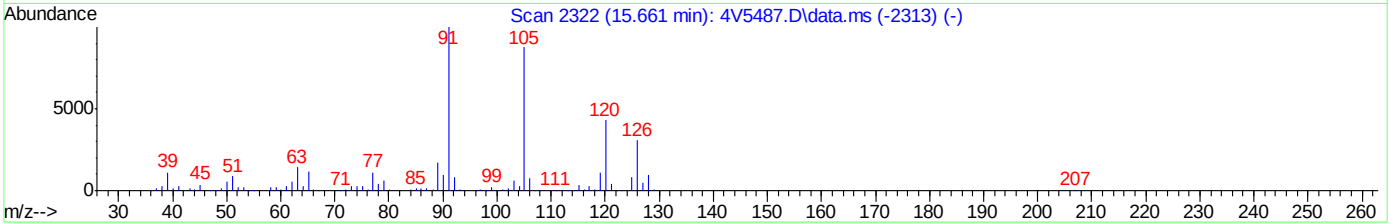
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8916.D\data.ms

(103) 2-chlorotoluene

15.640min (-0.000) 0.52ug/L m

response 774

Ion	Exp%	Act%
126.00	100	100
91.10	339.00	312.54
89.10	57.20	46.34
0.00	0.00	0.00

4V8916.D edits: 2-chlorotoluene
ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8917.D
Acq On : 17 Jun 2014 1:12 pm
Operator : BenM
Sample : ic368-0.2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 09:45:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

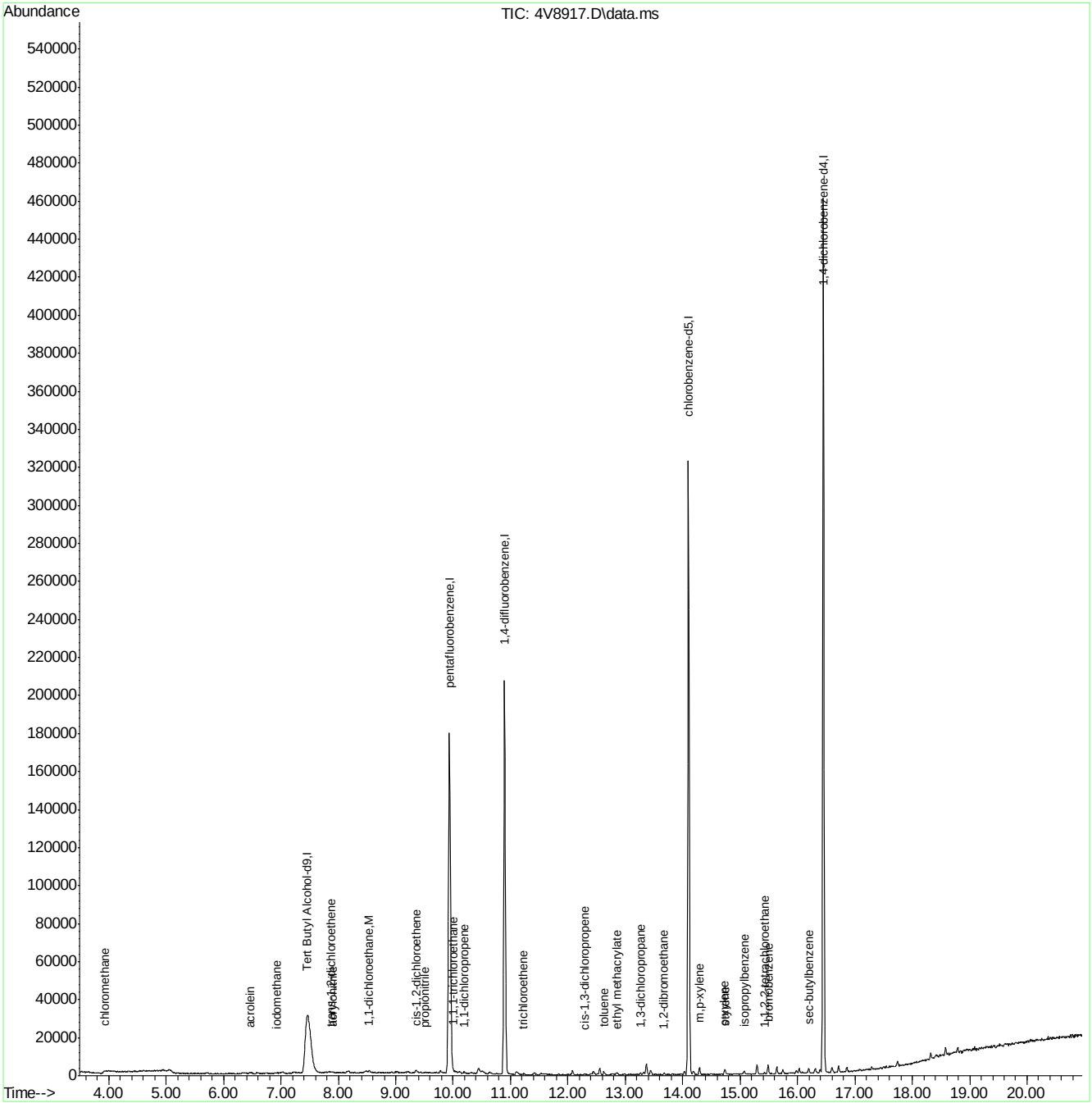
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.461	65	125794	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	165575	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	198157	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	181074	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.447	152	112514	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
46) 1,2-dichloroethane-d4 (s)	0.000	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
73) toluene-d8 (s)	0.000	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
96) 4-bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
9) chloromethane	3.932	50	596	0.24	ug/L	#	49
17) acrolein	6.465	56	705	1.94	ug/L		93
22) iodomethane	6.931	142	749	0.23	ug/L	#	42
29) trans-1,2-dichloroethene	7.870	61	487	0.22	ug/L	#	69
33) 1,1-dichloroethane	8.536	63	632	0.23	ug/L	#	50
35) acrylonitrile	7.901	53	534	0.84	ug/L	#	17
39) cis-1,2-dichloroethene	9.364	61	691	0.25	ug/L	#	57
40) propionitrile	9.511	54	526	2.01	ug/L		67
49) 1,1,1-trichloroethane	9.999	97	564	0.22	ug/L	#	24
56) 1,1-dichloropropene	10.198	75	418	0.23	ug/L	#	41
63) trichloroethene	11.225	95	284	0.21	ug/L	#	51
72) cis-1,3-dichloropropene	12.290	75	492	0.25	ug/L	#	63
75) toluene	12.625	92	691	0.25	ug/L		80
78) ethyl methacrylate	12.851	69	340	0.21	ug/L		65
83) 1,3-dichloropropane	13.260	76	481	0.26	ug/L	#	50
86) 1,2-dibromoethane	13.674	107	310	0.22	ug/L		86
90) m,p-xylene	14.293	106	1112	0.49	ug/L		88
91) o-xylene	14.728	106	533	0.22	ug/L		99
92) styrene	14.743	104	993	0.26	ug/L		95
95) isopropylbenzene	15.074	105	1683	0.25	ug/L		90
97) bromobenzene	15.493	156	342	0.21	ug/L	#	76
99) 1,1,2,2-tetrachloroethane	15.425	83	608	0.26	ug/L		88
109) sec-butylbenzene	16.191	105	2068	0.26	ug/L		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8917.D
Acq On : 17 Jun 2014 1:12 pm
Operator : BenM
Sample : ic368-0.2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 09:45:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.461	65	127046	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	175386	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	238741	50.00	ug/L		0.00
81) chlorobenzene-d5	14.104	117	212087	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	120105	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	15872	9.78	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 19.56%#				
46) 1,2-dichloroethane-d4 (s)	10.444	65	16594	10.57	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 21.14%#				
73) toluene-d8 (s)	12.552	98	51242	10.62	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 21.24%#				
96) 4-bromofluorobenzene (s)	15.294	95	21609	11.18	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 22.36%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.655	88	5039	243.63	ug/L	#	95
3) tertiary butyl alcohol	7.592	59	12948	51.85	ug/L		92
6) chlorodifluoromethane	3.649	51	24012	9.54	ug/L		98
7) dichlorodifluoromethane	3.634	85	27378	9.52	ug/L		97
9) chloromethane	3.959	50	25213	9.78	ug/L		97
10) vinyl chloride	4.237	62	28070	9.89	ug/L		99
11) bromomethane	4.939	94	18374	10.59	ug/L		98
12) chloroethane	5.138	64	11103	10.34	ug/L		96
13) trichlorofluoromethane	5.663	101	28856	9.50	ug/L		94
14) ethyl ether	6.119	74	7241	9.60	ug/L		95
16) 2-chloropropane	6.344	43	27249	10.08	ug/L		97
17) acrolein	6.449	56	36799	95.83	ug/L		94
18) 1,1-dichloroethene	6.591	61	26373	9.71	ug/L		97
19) acetone	6.717	58	1278	7.82	ug/L	#	54
20) allyl chloride	7.220	76	7726	10.56	ug/L		94
21) acetonitrile	7.257	40	15245	94.83	ug/L		84
22) iodomethane	6.921	142	33790	9.78	ug/L		98
23) iso-butyl alcohol	10.308	41	6988	101.86	ug/L		94
24) carbon disulfide	7.031	76	66295	9.79	ug/L		98
25) methylene chloride	7.456	84	18943	9.66	ug/L		98
26) 1-chloropropane	7.466	41	7502	10.27	ug/L	#	62
27) methyl acetate	7.230	74	2540	8.96	ug/L	#	74
28) methyl tert butyl ether	7.807	73	51178	9.72	ug/L		98
29) trans-1,2-dichloroethene	7.860	61	23425	9.85	ug/L		97
30) di-isopropyl ether	8.483	45	50446	9.70	ug/L		99
31) ethyl tert-butyl ether	9.008	59	52226	9.62	ug/L		98
32) 2-butanone	9.364	72	1868	9.46	ug/L		64
33) 1,1-dichloroethane	8.536	63	28322	9.64	ug/L		98
34) chloroprene	8.630	53	19892	9.53	ug/L		96
35) acrylonitrile	7.886	53	31505	46.81	ug/L		98
36) vinyl acetate	8.536	86	1973	9.07	ug/L		54
37) ethyl acetate	9.370	45	2467	9.89	ug/L	#	30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.349	77	24877	9.92	ug/L		97
39) cis-1,2-dichloroethene	9.364	61	28441	9.62	ug/L		98
40) propionitrile	9.501	54	25934	93.41	ug/L		89
41) methyl acrylate	9.448	55	19012	10.42	ug/L	#	99
42) bromochloromethane	9.710	128	8664	9.38	ug/L		95
43) tetrahydrofuran	9.737	42	6434	10.51	ug/L		93
44) chloroform	9.784	83	28249	9.71	ug/L		97
47) freon 113	6.549	151	13265	9.58	ug/L		95
48) methacrylonitrile	9.679	41	22174	10.18	ug/L		97
49) 1,1,1-trichloroethane	10.009	97	25797	9.53	ug/L		99
50) tert-amyl methyl ether	10.518	73	50826	9.61	ug/L		96
52) epichlorohydrin	12.216	57	8987	51.52	ug/L		97
53) n-butyl alcohol	11.094	56	28627	459.16	ug/L		99
54) cyclohexane	10.051	84	24488	8.91	ug/L	#	100
55) carbon tetrachloride	10.214	117	23804	9.05	ug/L		99
56) 1,1-dichloropropene	10.193	75	20120	9.15	ug/L		97
57) hexane	8.169	57	17620	9.20	ug/L		96
58) benzene	10.481	78	59711	9.26	ug/L		99
59) isooctane	10.444	57	58975	8.58	ug/L		97
60) heptane	10.638	57	10215	9.93	ug/L		96
61) isopropyl acetate	10.444	43	40520m	6.84	ug/L		
62) 1,2-dichloroethane	10.539	62	18544	9.04	ug/L		96
63) trichloroethene	11.236	95	15730	9.73	ug/L		98
65) 2-nitropropane	12.080	43	36996	10.45	ug/L		98
66) 2-chloroethyl vinyl ether	12.080	63	52263	51.83	ug/L		100
67) methyl methacrylate	11.535	69	10593	10.03	ug/L		97
68) 1,2-dichloropropane	11.524	63	16011	9.91	ug/L		98
69) methylcyclohexane	11.420	83	25960	8.88	ug/L		97
70) dibromomethane	11.697	93	11228	10.02	ug/L		98
71) bromodichloromethane	11.834	83	21490	9.86	ug/L		99
72) cis-1,3-dichloropropene	12.285	75	24729	10.28	ug/L		96
74) 4-methyl-2-pentanone	12.390	58	6797	9.36	ug/L		93
75) toluene	12.625	92	33738	10.15	ug/L		98
76) 3-methyl-1-butanol	12.437	70	10147	185.82	ug/L		98
77) trans-1,3-dichloropropene	12.861	75	22571	10.45	ug/L		97
78) ethyl methacrylate	12.840	69	19321	9.89	ug/L		96
79) 1,1,2-trichloroethane	13.082	83	12422	10.07	ug/L		95
80) 2-hexanone	13.255	58	6360	9.97	ug/L		99
82) tetrachloroethene	13.207	166	15074	9.72	ug/L		97
83) 1,3-dichloropropane	13.260	76	21755	10.03	ug/L		99
84) butyl acetate	13.318	56	12137	11.21	ug/L		97
85) dibromochloromethane	13.527	129	18136	9.74	ug/L		98
86) 1,2-dibromoethane	13.674	107	15882	9.76	ug/L		94
87) chlorobenzene	14.135	112	40183	10.00	ug/L		94
88) 1,1,1,2-tetrachloroethane	14.204	131	15966	8.64	ug/L		98
89) ethylbenzene	14.183	91	68806	9.62	ug/L		98
90) m,p-xylene	14.293	106	50917	19.28	ug/L		98
91) o-xylene	14.728	106	26843	9.44	ug/L		100
92) styrene	14.744	104	43666	9.73	ug/L		99
93) bromoform	15.037	173	13761	9.59	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

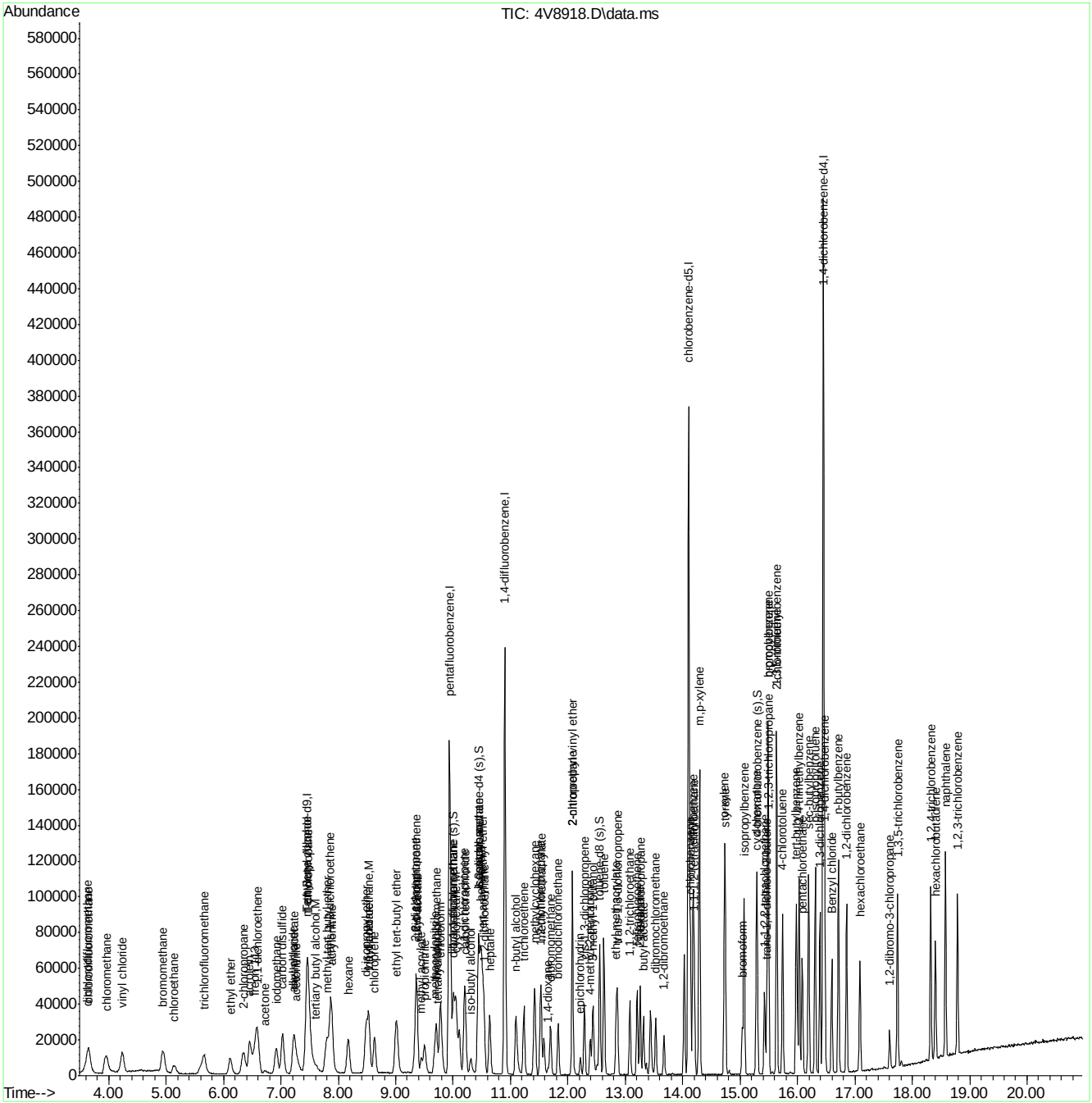
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.074	105	71304	9.89	ug/L	99
97) bromobenzene	15.488	156	18409	10.37	ug/L	95
98) cyclohexanone	15.284	55	29782	132.32	ug/L	98
99) 1,1,2,2-tetrachloroethane	15.425	83	25818	10.24	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	6002	10.13	ug/L	95
101) 1,2,3-trichloropropane	15.499	110	5338	10.37	ug/L	99
102) n-propylbenzene	15.488	91	84854	10.34	ug/L	99
103) 2-chlorotoluene	15.640	126	17255	10.32	ug/L	97
104) 4-chlorotoluene	15.740	91	52464	10.40	ug/L	100
105) 1,3,5-trimethylbenzene	15.635	105	61846	10.06	ug/L	98
106) tert-butylbenzene	15.981	119	56942	9.97	ug/L	97
107) pentachloroethane	16.081	167	12330	9.26	ug/L	97
108) 1,2,4-trimethylbenzene	16.028	105	61981	10.16	ug/L	98
109) sec-butylbenzene	16.191	105	83265	9.83	ug/L	99
110) 1,3-dichlorobenzene	16.390	146	36142	10.03	ug/L	98
111) p-isopropyltoluene	16.311	119	68739	10.24	ug/L	98
112) 1,4-dichlorobenzene	16.474	146	36652	9.99	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	37192	9.93	ug/L	98
115) n-butylbenzene	16.715	92	36946	9.92	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	5375	9.60	ug/L	97
117) 1,3,5-trichlorobenzene	17.748	180	29544	9.08	ug/L	99
118) 1,2,4-trichlorobenzene	18.325	180	27782	8.90	ug/L	98
119) hexachlorobutadiene	18.403	225	13191	9.46	ug/L	100
120) naphthalene	18.576	128	79051	8.72	ug/L	99
121) 1,2,3-trichlorobenzene	18.786	180	25763	8.55	ug/L	99
122) hexachloroethane	17.087	119	14705	9.29	ug/L	96
123) Benzyl chloride	16.600	91	46868	10.22	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8918.D
Injection Time: 06/17/14 13:38

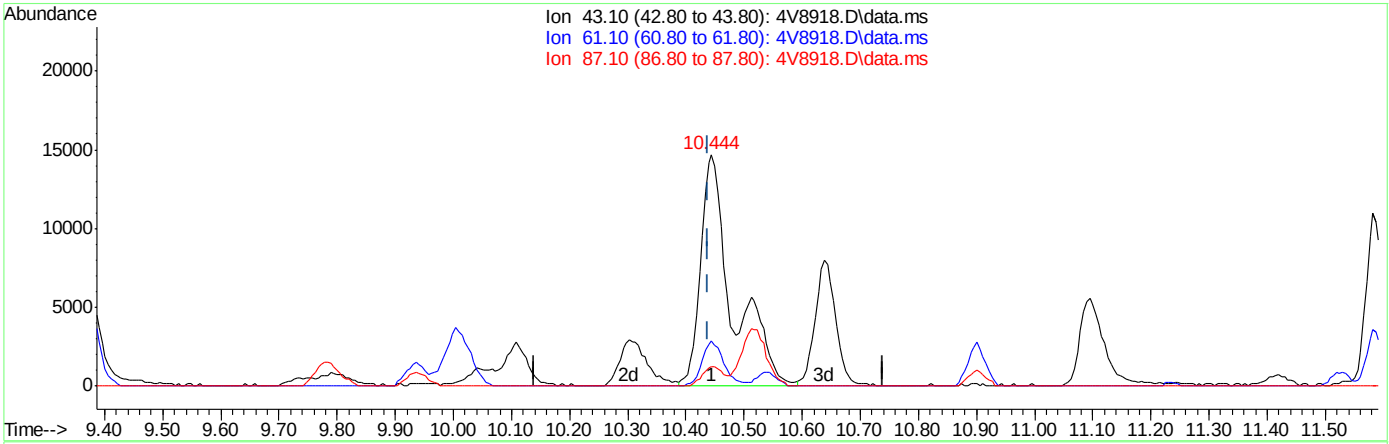
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

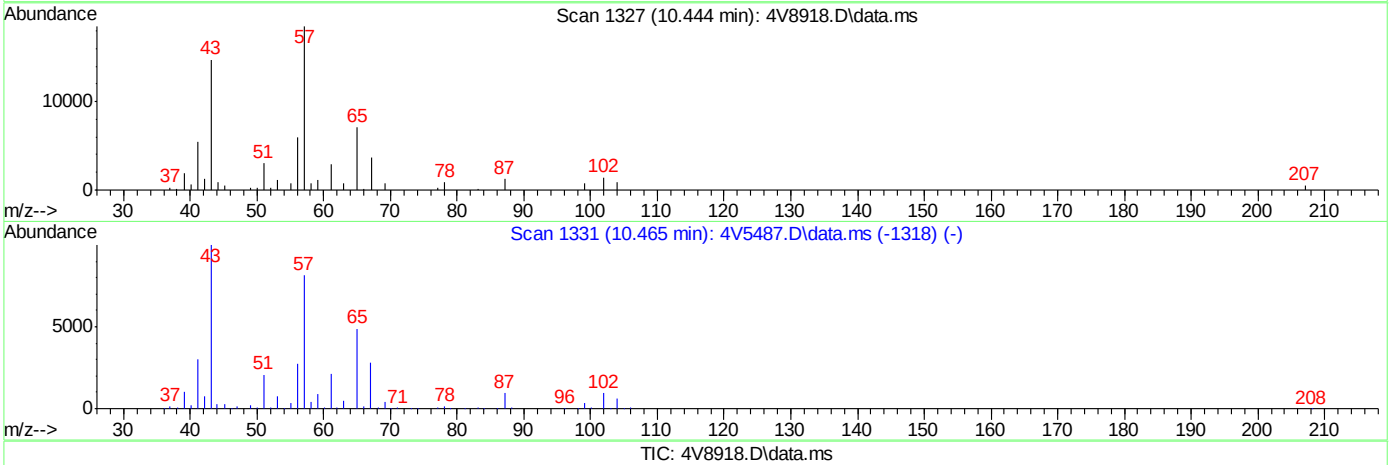
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 08:44:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8918.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 9.54ug/L

response 56481

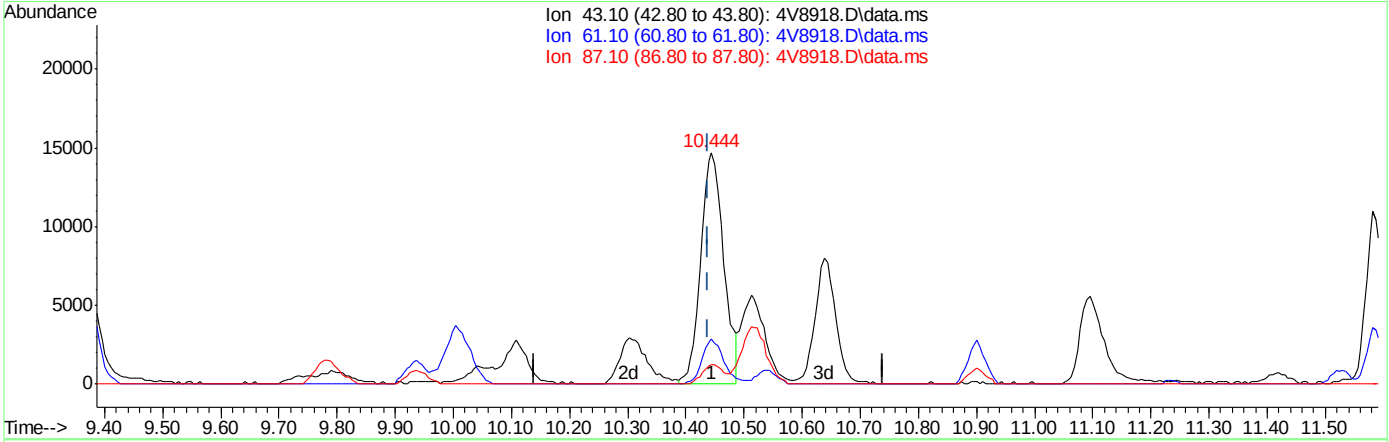
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.62
87.10	5.70	6.35
0.00	0.00	0.00

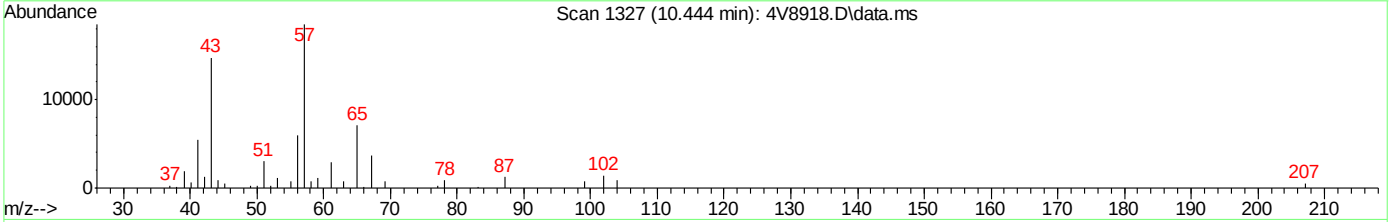
4V8918.D edits: isopropyl acetate

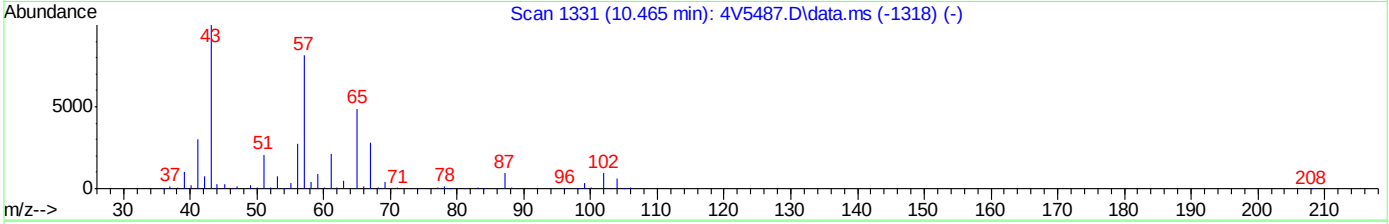
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 08:44:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8918.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 6.84ug/L m

response 40520

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	18.98
87.10	5.70	8.86
0.00	0.00	0.00

4V8918.D edits: isopropyl acetate

4V8919.D

Manual Integrations APPROVED (compounds with "m" flag)

Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.466	65	123675	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	166667	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	216140	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	177840	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	111510	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.999	113	75154	48.76	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.52%				
46) 1,2-dichloroethane-d4 (s)	10.439	65	76397	51.23	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 102.46%				
73) toluene-d8 (s)	12.552	98	209819	48.04	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 96.08%				
96) 4-bromofluorobenzene (s)	15.294	95	91395	50.95	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 101.90%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	9229	458.37	ug/L	#	98
3) tertiary butyl alcohol	7.608	59	24657	101.43	ug/L		99
6) chlorodifluoromethane	3.644	51	47443	19.84	ug/L		97
7) dichlorodifluoromethane	3.618	85	55416	20.28	ug/L		99
9) chloromethane	3.953	50	48979	19.99	ug/L		98
10) vinyl chloride	4.237	62	55173	20.46	ug/L		100
11) bromomethane	4.934	94	34630	21.00	ug/L		98
12) chloroethane	5.138	64	21143	20.71	ug/L		99
13) trichlorofluoromethane	5.652	101	57250	19.83	ug/L		99
14) ethyl ether	6.114	74	13992	19.51	ug/L		99
16) 2-chloropropane	6.344	43	51033	19.87	ug/L		98
17) acrolein	6.449	56	72296	198.12	ug/L		99
18) 1,1-dichloroethene	6.591	61	51495	19.95	ug/L		99
19) acetone	6.711	58	2940	18.94	ug/L		96
20) allyl chloride	7.215	76	15076	21.69	ug/L		88
21) acetonitrile	7.257	40	29900	195.73	ug/L		99
22) iodomethane	6.916	142	65743	20.03	ug/L		99
23) iso-butyl alcohol	10.298	41	12471	191.30	ug/L		96
24) carbon disulfide	7.021	76	129739	20.16	ug/L		99
25) methylene chloride	7.456	84	36701	19.69	ug/L		98
26) 1-chloropropane	7.461	41	14106	20.33	ug/L		87
27) methyl acetate	7.225	74	5038	18.70	ug/L	#	83
28) methyl tert butyl ether	7.807	73	100338	20.06	ug/L		99
29) trans-1,2-dichloroethene	7.860	61	44778	19.82	ug/L		98
30) di-isopropyl ether	8.483	45	97813	19.79	ug/L		99
31) ethyl tert-butyl ether	9.013	59	102645	19.89	ug/L		99
32) 2-butanone	9.354	72	3603	19.20	ug/L		81
33) 1,1-dichloroethane	8.525	63	55444	19.85	ug/L		98
34) chloroprene	8.630	53	39265	19.80	ug/L		99
35) acrylonitrile	7.881	53	62931	98.40	ug/L		98
36) vinyl acetate	8.536	86	3949	19.10	ug/L		78
37) ethyl acetate	9.359	45	5069	21.39	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	48602	20.40	ug/L		96
39) cis-1,2-dichloroethene	9.359	61	55913	19.91	ug/L		97
40) propionitrile	9.501	54	51224	194.15	ug/L		99
41) methyl acrylate	9.443	55	35171	20.29	ug/L	#	100
42) bromochloromethane	9.705	128	16939	19.30	ug/L		95
43) tetrahydrofuran	9.737	42	11703	20.11	ug/L		98
44) chloroform	9.773	83	54145	19.58	ug/L		98
47) freon 113	6.549	151	26685	20.27	ug/L		97
48) methacrylonitrile	9.674	41	41547	20.07	ug/L		99
49) 1,1,1-trichloroethane	10.004	97	50176	19.51	ug/L		99
50) tert-amyl methyl ether	10.513	73	98503	19.60	ug/L		95
52) epichlorohydrin	12.217	57	15146	95.92	ug/L		100
53) n-butyl alcohol	11.089	56	49920	884.40	ug/L		98
54) cyclohexane	10.051	84	48476	19.47	ug/L	#	100
55) carbon tetrachloride	10.208	117	46201	19.39	ug/L		97
56) 1,1-dichloropropene	10.193	75	38479	19.33	ug/L		99
57) hexane	8.164	57	34370	19.83	ug/L		94
58) benzene	10.481	78	113556	19.44	ug/L		99
59) isooctane	10.444	57	119176	19.14	ug/L		99
60) heptane	10.638	57	18692	20.07	ug/L		96
61) isopropyl acetate	10.439	43	75486m	14.08	ug/L		
62) 1,2-dichloroethane	10.539	62	36262	19.53	ug/L		99
63) trichloroethene	11.231	95	29427	20.11	ug/L		99
65) 2-nitropropane	12.075	43	63076	19.68	ug/L		100
66) 2-chloroethyl vinyl ether	12.075	63	88832	97.31	ug/L		99
67) methyl methacrylate	11.535	69	17896	18.71	ug/L		99
68) 1,2-dichloropropane	11.524	63	28615	19.57	ug/L		98
69) methylcyclohexane	11.420	83	51311	19.38	ug/L		99
70) dibromomethane	11.692	93	20529	20.24	ug/L		100
71) bromodichloromethane	11.829	83	39155	19.85	ug/L		97
72) cis-1,3-dichloropropene	12.285	75	41972	19.27	ug/L		98
74) 4-methyl-2-pentanone	12.390	58	12289	18.70	ug/L		98
75) toluene	12.625	92	57571	19.13	ug/L		100
76) 3-methyl-1-butanol	12.437	70	17765	359.35	ug/L		98
77) trans-1,3-dichloropropene	12.861	75	38160	19.51	ug/L		99
78) ethyl methacrylate	12.840	69	33911	19.18	ug/L		99
79) 1,1,2-trichloroethane	13.082	83	21259	19.05	ug/L		98
80) 2-hexanone	13.249	58	11466	19.86	ug/L		98
82) tetrachloroethene	13.202	166	25391	19.52	ug/L		97
83) 1,3-dichloropropane	13.260	76	35576	19.55	ug/L		98
84) butyl acetate	13.318	56	19716	21.71	ug/L		96
85) dibromochloromethane	13.527	129	30659	19.64	ug/L		98
86) 1,2-dibromoethane	13.674	107	27416	20.08	ug/L		98
87) chlorobenzene	14.130	112	67174	19.94	ug/L		98
88) 1,1,1,2-tetrachloroethane	14.204	131	30430	19.63	ug/L		99
89) ethylbenzene	14.183	91	118679	19.80	ug/L		99
90) m,p-xylene	14.293	106	87151	39.35	ug/L		97
91) o-xylene	14.728	106	46096	19.33	ug/L		99
92) styrene	14.744	104	77431	20.57	ug/L		98
93) bromoform	15.037	173	24608	20.46	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

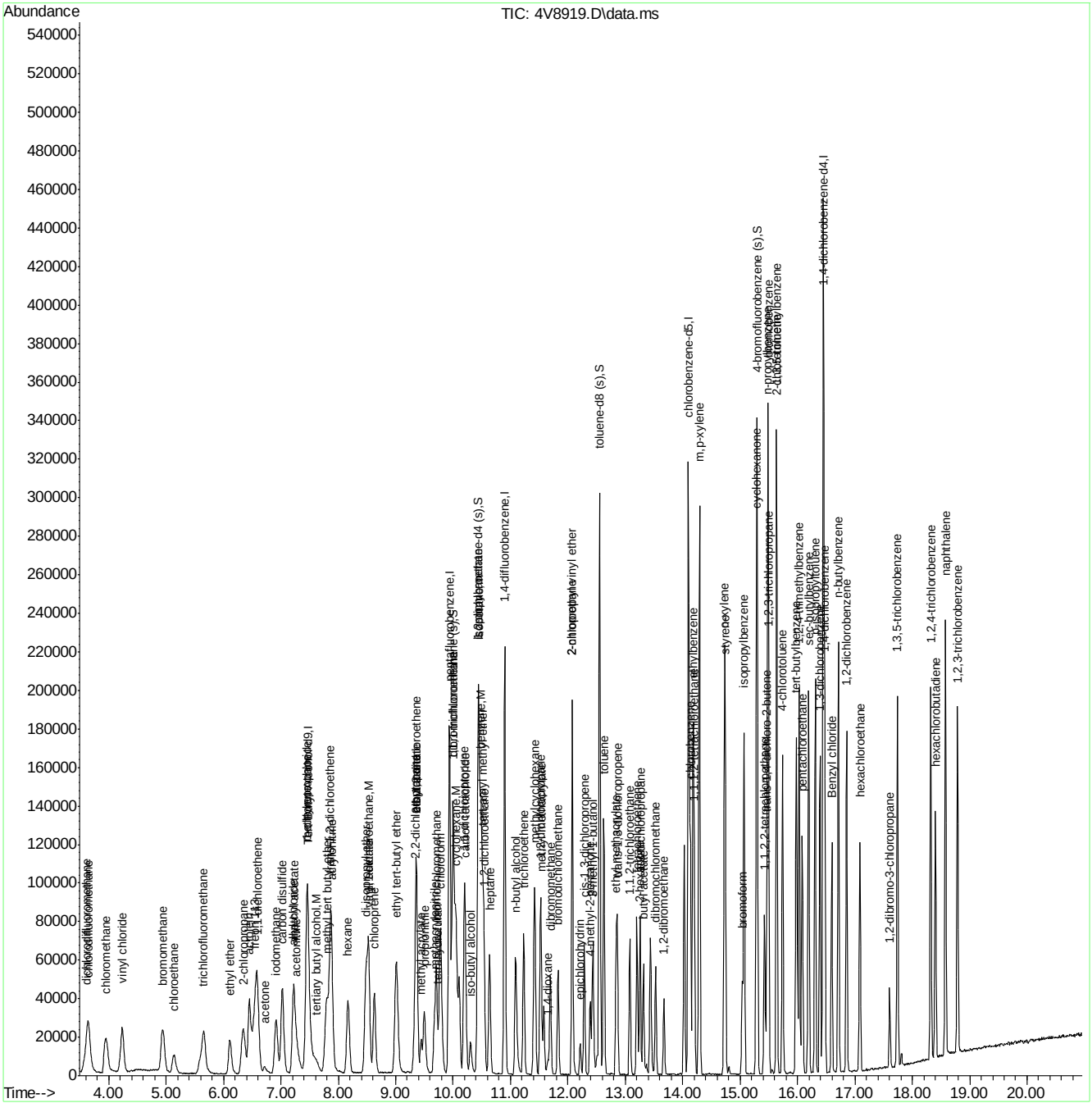
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	126600	18.91	ug/L	99
97) bromobenzene	15.488	156	33078	20.06	ug/L	98
98) cyclohexanone	15.284	55	50815	243.17	ug/L	96
99) 1,1,2,2-tetrachloroethane	15.425	83	45727	19.54	ug/L	100
100) trans-1,4-dichloro-2-b...	15.467	53	10636	19.33	ug/L	85
101) 1,2,3-trichloropropane	15.499	110	9493	19.86	ug/L	96
102) n-propylbenzene	15.483	91	151023	19.82	ug/L	99
103) 2-chlorotoluene	15.640	126	30232	19.47	ug/L	94
104) 4-chlorotoluene	15.740	91	94574	20.20	ug/L	98
105) 1,3,5-trimethylbenzene	15.635	105	107909	18.90	ug/L	98
106) tert-butylbenzene	15.981	119	89585	16.89	ug/L	98
107) pentachloroethane	16.081	167	23174	18.74	ug/L	99
108) 1,2,4-trimethylbenzene	16.028	105	110857	19.57	ug/L	99
109) sec-butylbenzene	16.191	105	150358	19.12	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	67204	20.08	ug/L	99
111) p-isopropyltoluene	16.311	119	123070	19.74	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	67903	19.94	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	69105	19.88	ug/L	99
115) n-butylbenzene	16.715	92	70148	20.28	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	10218	19.65	ug/L	99
117) 1,3,5-trichlorobenzene	17.743	180	58561	19.39	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	55489	19.14	ug/L	99
119) hexachlorobutadiene	18.403	225	25519	19.71	ug/L	98
120) naphthalene	18.576	128	159452	18.94	ug/L	100
121) 1,2,3-trichlorobenzene	18.791	180	53697	19.19	ug/L	99
122) hexachloroethane	17.087	119	27688	18.84	ug/L	98
123) Benzyl chloride	16.600	91	86716	20.36	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8919.D
Injection Time: 06/17/14 14:05

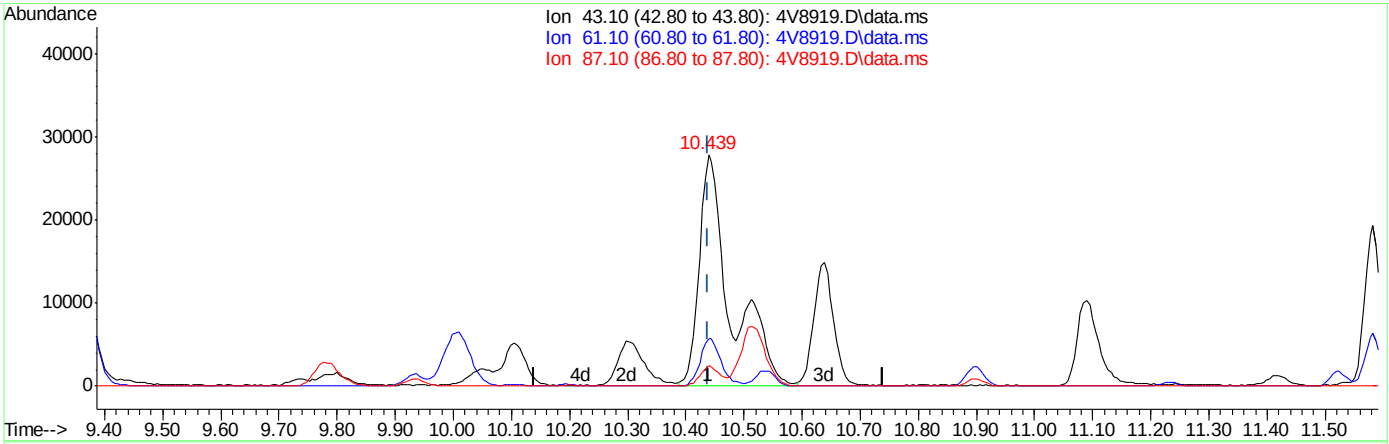
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

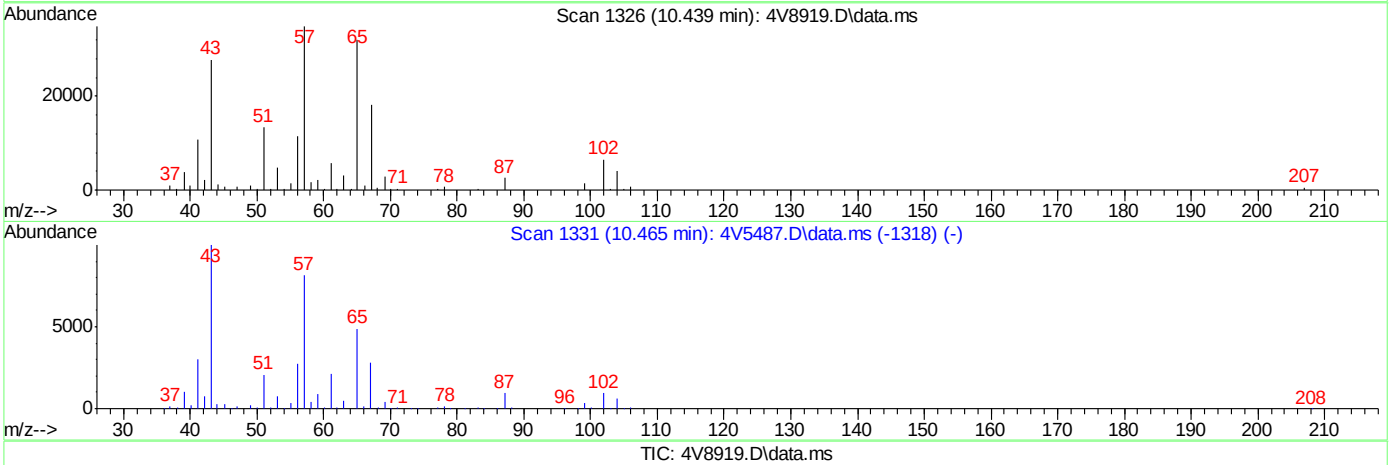
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 08:46:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8919.D\data.ms

(61) isopropyl acetate

10.439min (+0.000) 19.58ug/L

response 104935

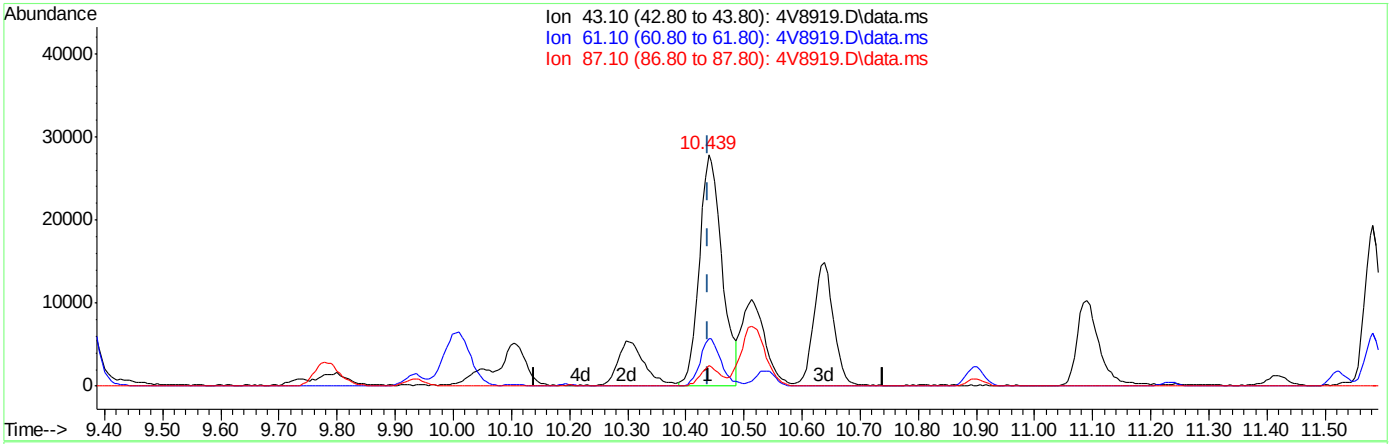
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.89
87.10	5.70	5.82
0.00	0.00	0.00

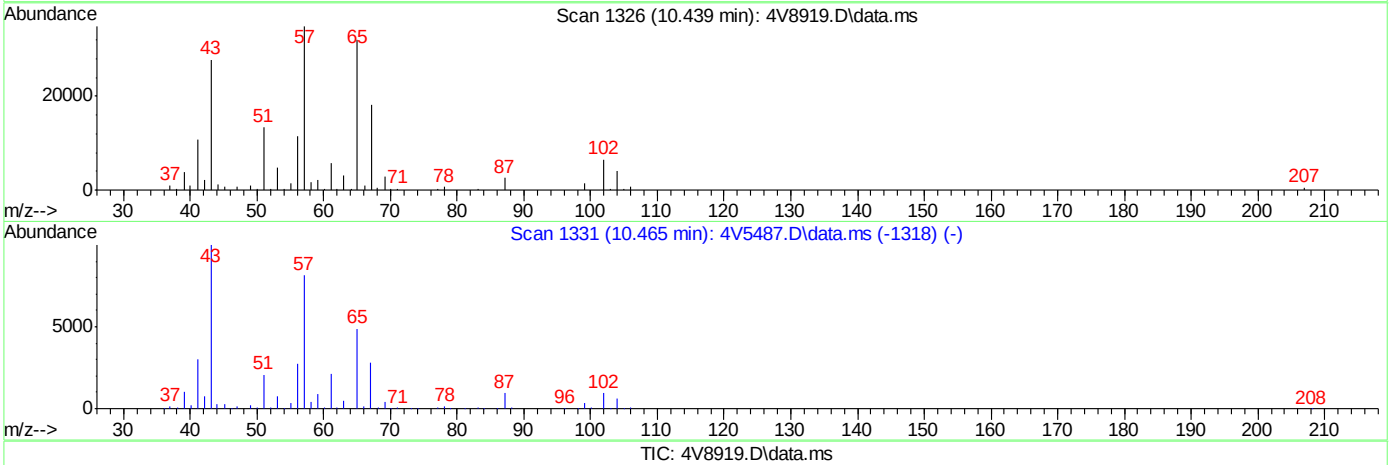
4V8919.D edits: isopropyl acetate

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 08:46:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8919.D\data.ms

(61) isopropyl acetate

10.439min (+0.000) 14.08ug/L m

response 75486

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	19.31
87.10	5.70	8.10
0.00	0.00	0.00

4V8919.D edits: isopropyl acetate

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.466	65	129482	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	167351	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	212732	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	179279	50.00	ug/L		-0.01
94) 1,4-dichlorobenzene-d4	16.448	152	108897	50.00	ug/L		-0.01
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	77389	50.09	ug/L		-0.01
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.18%				
46) 1,2-dichloroethane-d4 (s)	10.439	65	74875	49.29	ug/L		-0.01
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.58%				
73) toluene-d8 (s)	12.552	98	214930	46.55	ug/L		-0.01
Spiked Amount 50.000	Range 78 - 119		Recovery = 93.10%				
96) 4-bromofluorobenzene (s)	15.294	95	87589	42.75	ug/L		-0.01
Spiked Amount 50.000	Range 74 - 119		Recovery = 85.50%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	26350	1444.86	ug/L	#	87
3) tertiary butyl alcohol	7.613	59	63626	258.87	ug/L		98
6) chlorodifluoromethane	3.644	51	120076	48.73	ug/L		99
7) dichlorodifluoromethane	3.628	85	137183	49.99	ug/L		98
9) chloromethane	3.959	50	122993	48.24	ug/L		99
10) vinyl chloride	4.242	62	135358	49.52	ug/L		100
11) bromomethane	4.939	94	82800	46.50	ug/L		97
12) chloroethane	5.133	64	51254	59.63	ug/L		99
13) trichlorofluoromethane	5.652	101	144912	51.70	ug/L		98
14) ethyl ether	6.114	74	36001	56.70	ug/L		97
16) 2-chloropropane	6.339	43	128964	47.09	ug/L	#	93
17) acrolein	6.449	56	183201	13.62	ug/L		100
18) 1,1-dichloroethene	6.585	61	129559	53.51	ug/L		97
19) acetone	6.717	58	7794	50.24	ug/L		98
20) allyl chloride	7.215	76	34901	52.77	ug/L	#	65
21) acetonitrile	7.257	40	76696	579.43	ug/L		98
22) iodomethane	6.916	142	164820	51.61	ug/L		98
23) iso-butyl alcohol	10.303	41	32729	402.28	ug/L		97
24) carbon disulfide	7.026	76	323087	51.32	ug/L		99
25) methylene chloride	7.456	84	93576	52.39	ug/L		96
26) 1-chloropropane	7.461	41	34838	46.26	ug/L	#	92
27) methyl acetate	7.225	74	13527	54.64	ug/L		89
28) methyl tert butyl ether	7.797	73	251166	51.75	ug/L		99
29) trans-1,2-dichloroethene	7.860	61	113449	52.90	ug/L		97
30) di-isopropyl ether	8.483	45	248111	49.12	ug/L		98
31) ethyl tert-butyl ether	9.008	59	259090	51.04	ug/L		97
32) 2-butanone	9.354	72	9422	55.65	ug/L		77
33) 1,1-dichloroethane	8.531	63	140233	52.93	ug/L		99
34) chloroprene	8.630	53	99553	49.57	ug/L		99
35) acrylonitrile	7.880	53	160548	271.96	ug/L		99
36) vinyl acetate	8.531	86	10382	54.14	ug/L		90
37) ethyl acetate	9.359	45	11896	46.50	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	119608	52.42	ug/L		98
39) cis-1,2-dichloroethene	9.359	61	140990	52.88	ug/L		99
40) propionitrile	9.501	54	132460	544.65	ug/L		99
41) methyl acrylate	9.438	55	87031	47.76	ug/L	#	97
42) bromochloromethane	9.705	128	44056	53.33	ug/L		92
43) tetrahydrofuran	9.731	42	29217	44.49	ug/L		96
44) chloroform	9.778	83	138848	51.43	ug/L		99
47) freon 113	6.549	151	66084	52.81	ug/L		94
48) methacrylonitrile	9.674	41	103933	43.12	ug/L		93
49) 1,1,1-trichloroethane	10.009	97	129089	51.45	ug/L		100
50) tert-amyl methyl ether	10.512	73	252271	49.49	ug/L		97
52) epichlorohydrin	12.217	57	38855	237.61	ug/L		97
53) n-butyl alcohol	11.089	56	138887	2586.29	ug/L		99
54) cyclohexane	10.051	84	122513	51.30	ug/L	#	1
55) carbon tetrachloride	10.208	117	117243	51.64	ug/L		99
56) 1,1-dichloropropene	10.193	75	97944	51.49	ug/L		98
57) hexane	8.169	57	85314	48.39	ug/L		98
58) benzene	10.481	78	287394	50.81	ug/L		99
59) isooctane	10.444	57	306396	53.83	ug/L		95
60) heptane	10.638	57	45836	49.63	ug/L		97
61) isopropyl acetate	10.439	43	186824m	35.30	ug/L		
62) 1,2-dichloroethane	10.533	62	91352	54.12	ug/L		99
63) trichloroethene	11.231	95	71999	50.42	ug/L		98
65) 2-nitropropane	12.075	43	157690	46.89	ug/L		95
66) 2-chloroethyl vinyl ether	12.075	63	224615	249.55	ug/L		98
67) methyl methacrylate	11.535	69	47069	50.85	ug/L		89
68) 1,2-dichloropropane	11.524	63	71959	52.25	ug/L		99
69) methylcyclohexane	11.420	83	130313	50.28	ug/L		97
70) dibromomethane	11.692	93	49908	51.44	ug/L		99
71) bromodichloromethane	11.829	83	97093	50.86	ug/L		98
72) cis-1,3-dichloropropene	12.285	75	107187	51.94	ug/L		99
74) 4-methyl-2-pentanone	12.390	58	32341	53.69	ug/L	#	24
75) toluene	12.625	92	148104	50.93	ug/L		100
76) 3-methyl-1-butanol	12.437	70	48657	1058.56	ug/L		96
77) trans-1,3-dichloropropene	12.861	75	96271	51.28	ug/L		99
78) ethyl methacrylate	12.840	69	87010	50.94	ug/L		95
79) 1,1,2-trichloroethane	13.082	83	54932	51.51	ug/L		98
80) 2-hexanone	13.249	58	28412	52.49	ug/L		96
82) tetrachloroethene	13.202	166	65576	51.17	ug/L		98
83) 1,3-dichloropropane	13.260	76	91713	52.08	ug/L		99
84) butyl acetate	13.318	56	45775	44.75	ug/L		99
85) dibromochloromethane	13.527	129	78682	51.98	ug/L		100
86) 1,2-dibromoethane	13.674	107	68806	51.66	ug/L		100
87) chlorobenzene	14.130	112	169790	50.45	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.204	131	78138	52.24	ug/L		99
89) ethylbenzene	14.183	91	302149	50.41	ug/L		100
90) m,p-xylene	14.293	106	223253	102.57	ug/L		97
91) o-xylene	14.728	106	120169	51.18	ug/L		97
92) styrene	14.744	104	189700	49.94	ug/L		99
93) bromoform	15.037	173	60624	51.03	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration

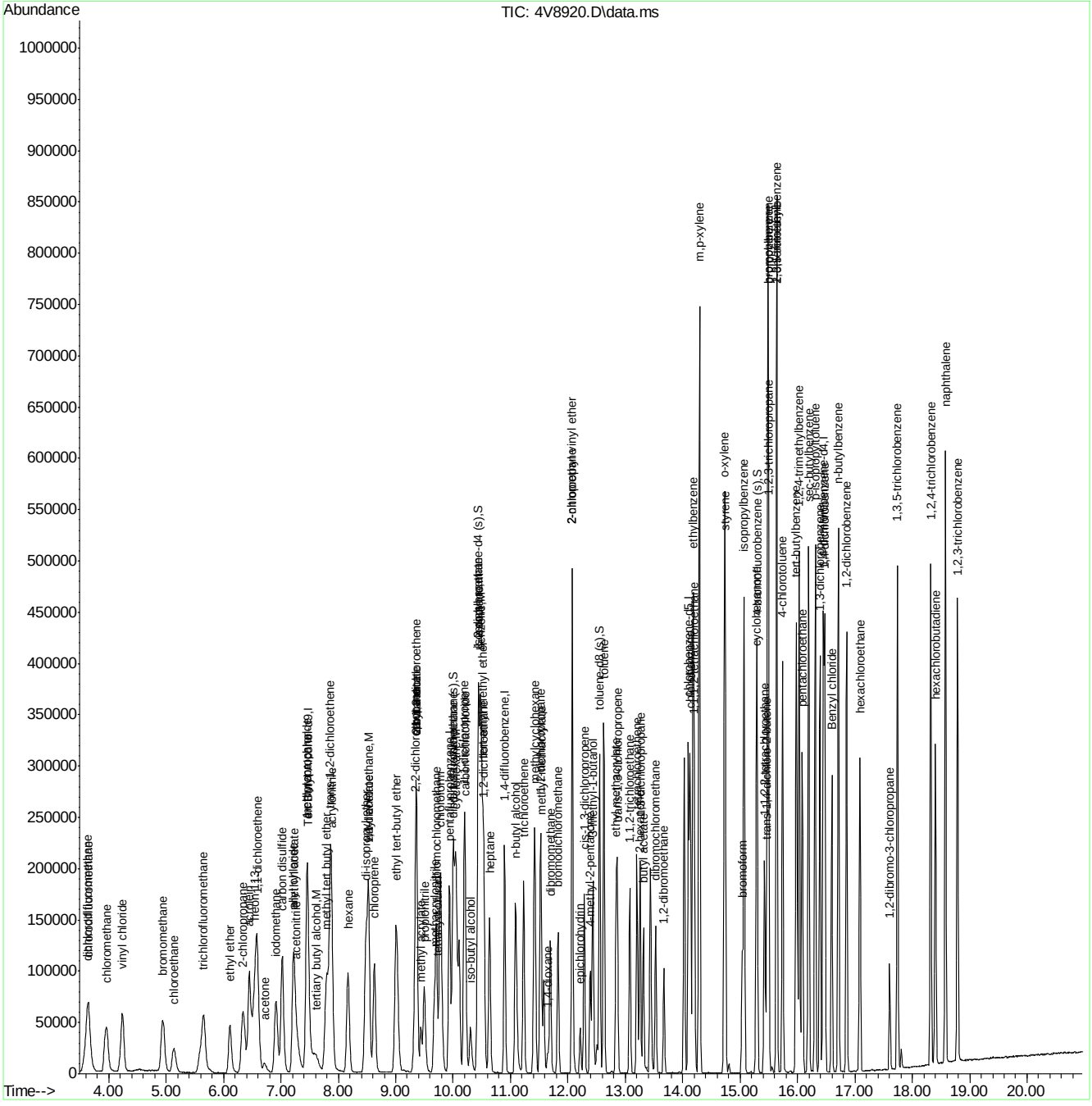
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	326859	51.06	ug/L	99
97) bromobenzene	15.488	156	80503	48.98	ug/L	94
98) cyclohexanone	15.284	55	102038	665.77	ug/L	94
99) 1,1,2,2-tetrachloroethane	15.425	83	114248	50.68	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	26861	52.55	ug/L	92
101) 1,2,3-trichloropropane	15.499	110	23340	51.94	ug/L	99
102) n-propylbenzene	15.488	91	372084	48.94	ug/L	100
103) 2-chlorotoluene	15.640	126	75828	49.27	ug/L	93
104) 4-chlorotoluene	15.740	91	228602	49.15	ug/L	99
105) 1,3,5-trimethylbenzene	15.635	105	278752	50.10	ug/L	100
106) tert-butylbenzene	15.981	119	259009	55.12	ug/L	98
107) pentachloroethane	16.081	167	60382	52.28	ug/L	97
108) 1,2,4-trimethylbenzene	16.028	105	276640	49.33	ug/L	96
109) sec-butylbenzene	16.191	105	384025	50.90	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	163387	49.76	ug/L	99
111) p-isopropyltoluene	16.311	119	304388	48.90	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	166243	49.75	ug/L	100
114) 1,2-dichlorobenzene	16.857	146	169771	50.27	ug/L	99
115) n-butylbenzene	16.710	92	168903	50.08	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	25386	48.50	ug/L	97
117) 1,3,5-trichlorobenzene	17.743	180	147450	52.67	ug/L	99
118) 1,2,4-trichlorobenzene	18.325	180	141571	52.72	ug/L	100
119) hexachlorobutadiene	18.403	225	63208	52.29	ug/L	96
120) naphthalene	18.576	128	410981	52.78	ug/L	100
121) 1,2,3-trichlorobenzene	18.791	180	136630	53.08	ug/L	100
122) hexachloroethane	17.087	119	71778	51.33	ug/L	96
123) Benzyl chloride	16.600	91	207946	49.99	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration



Manual Integration Approval Summary

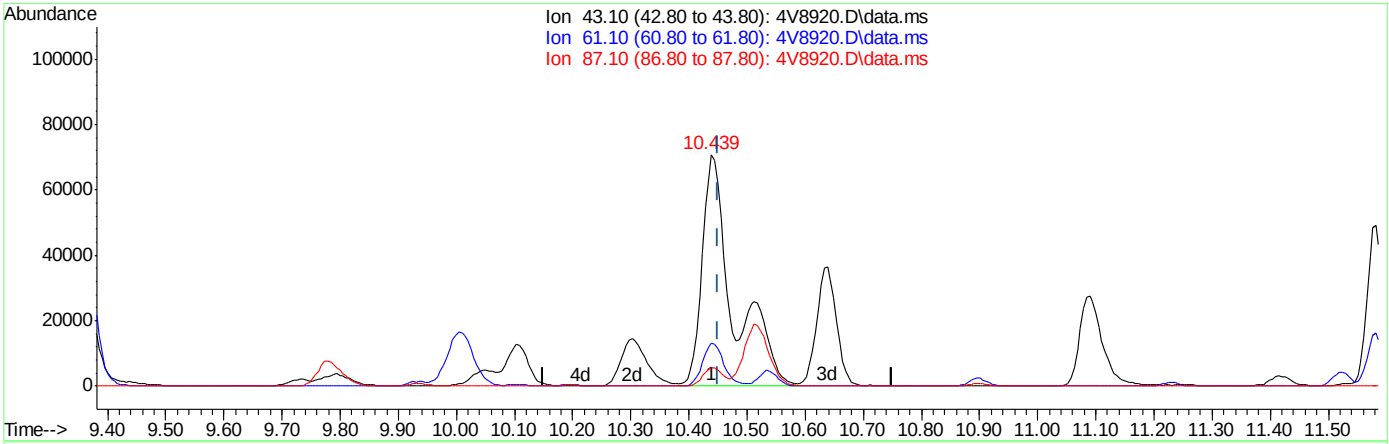
Sample Number:	V4V368-ICC368	**Method:**	SW846 8260B
Lab FileID:	4V8920.D	**Analyst approved:**	06/18/14 15:05 Juntae Park
Injection Time:	06/17/14 14:31	**Supervisor approved:**	06/18/14 18:04 Jessica Reitan-Chu

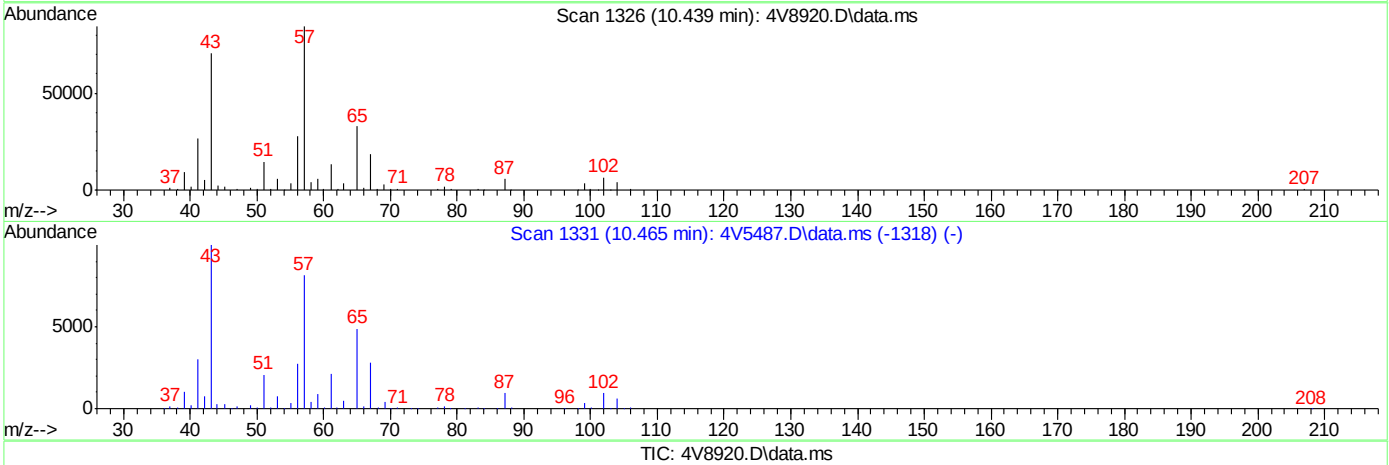
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 08:27:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration





TIC: 4V8920.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 49.85ug/L

response 263782

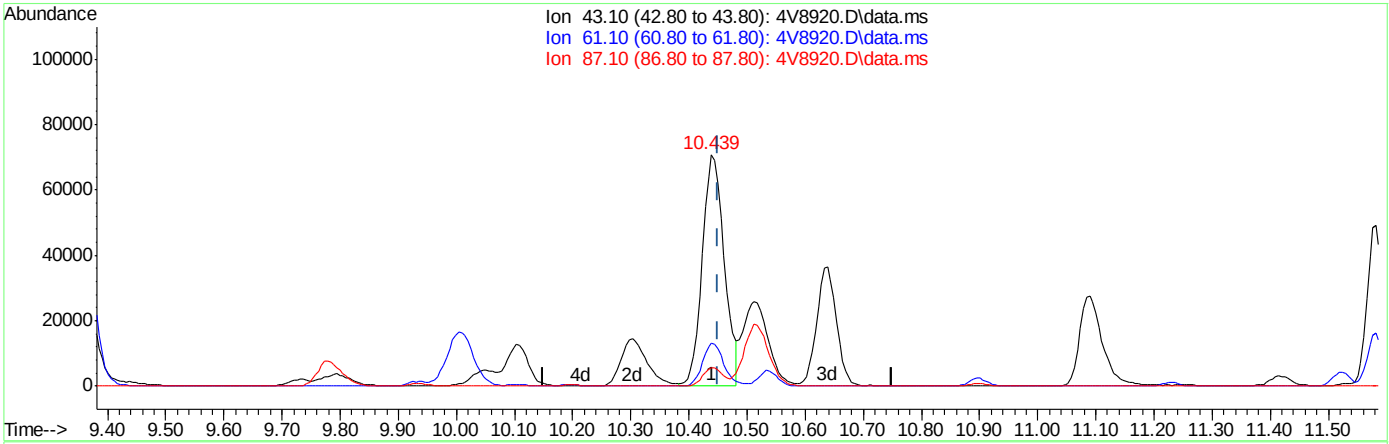
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	12.90
87.10	8.10	5.68
0.00	0.00	0.00

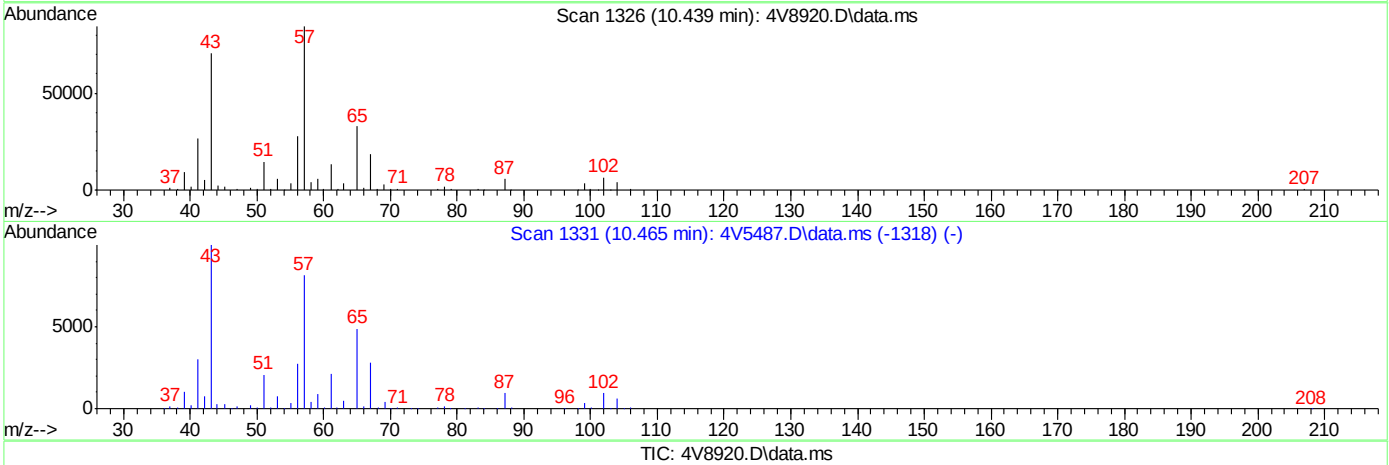
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 08:27:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration





TIC: 4V8920.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 35.30ug/L m

response 186824

Ion	Exp%	Act%
43.10	100	100
61.10	19.30	18.21
87.10	8.10	8.02
0.00	0.00	0.00

4V8920.D edits: isopropyl acetate

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.461	65	124074	500.00	ug/L		0.00
4) pentafluorobenzene	9.935	168	170188	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	231134	50.00	ug/L		0.00
81) chlorobenzene-d5	14.104	117	204290	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.447	152	120199	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.998	113	156609	99.50	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 199.00%#				
46) 1,2-dichloroethane-d4 (s)	10.439	65	156550	102.80	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 205.60%#				
73) toluene-d8 (s)	12.552	98	504377	107.99	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 215.98%#				
96) 4-bromofluorobenzene (s)	15.294	95	201187	104.05	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 208.10%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	51906	2569.66	ug/L	#	99
3) tertiary butyl alcohol	7.608	59	123788	507.59	ug/L		96
6) chlorodifluoromethane	3.639	51	243791	99.82	ug/L		99
7) dichlorodifluoromethane	3.628	85	286038	102.52	ug/L		98
9) chloromethane	3.964	50	268585	107.37	ug/L		99
10) vinyl chloride	4.242	62	292156	106.12	ug/L		99
11) bromomethane	4.939	94	168622	100.13	ug/L		99
12) chloroethane	5.133	64	103549	99.33	ug/L		99
13) trichlorofluoromethane	5.652	101	305462	103.64	ug/L		97
14) ethyl ether	6.108	74	73613	100.53	ug/L		95
16) 2-chloropropane	6.339	43	260484	99.31	ug/L	#	93
18) 1,1-dichloroethene	6.585	61	270160	102.52	ug/L		98
19) acetone	6.711	58	15425	97.30	ug/L		93
20) allyl chloride	7.214	76	72584	102.25	ug/L		97
21) acetonitrile	7.256	40	151197	969.26	ug/L		99
22) iodomethane	6.915	142	343845	102.57	ug/L		99
23) iso-butyl alcohol	10.303	41	64156	963.77	ug/L		95
24) carbon disulfide	7.020	76	667515	101.58	ug/L		99
25) methylene chloride	7.456	84	194483	102.18	ug/L		99
26) 1-chloropropane	7.461	41	71673	101.15	ug/L		93
27) methyl acetate	7.220	74	27233	98.98	ug/L		100
28) methyl tert butyl ether	7.802	73	521065	102.00	ug/L		99
29) trans-1,2-dichloroethene	7.854	61	227600	98.64	ug/L		99
30) di-isopropyl ether	8.483	45	514081	101.87	ug/L		99
31) ethyl tert-butyl ether	9.007	59	539640	102.41	ug/L		98
32) 2-butanone	9.348	72	20465	106.79	ug/L		97
33) 1,1-dichloroethane	8.525	63	286047	100.29	ug/L		100
34) chloroprene	8.630	53	201058	99.30	ug/L		99
35) acrylonitrile	7.880	53	329617	504.71	ug/L		99
36) vinyl acetate	8.530	86	23206	109.90	ug/L		91
37) ethyl acetate	9.359	45	26044	107.64	ug/L		80
38) 2,2-dichloropropane	9.343	77	242168	99.55	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,2-dichloroethene	9.359	61	284554	99.23	ug/L		98
40) propionitrile	9.495	54	270281	1003.23	ug/L		97
41) methyl acrylate	9.443	55	191803	108.36	ug/L	#	99
42) bromochloromethane	9.705	128	88748	99.04	ug/L		93
43) tetrahydrofuran	9.726	42	61134	102.88	ug/L		99
44) chloroform	9.773	83	280639	99.38	ug/L		99
47) freon 113	6.548	151	137884	102.59	ug/L		95
48) methacrylonitrile	9.668	41	218739	103.48	ug/L		99
49) 1,1,1-trichloroethane	10.009	97	265445	101.10	ug/L		99
50) tert-amyl methyl ether	10.517	73	532245	103.73	ug/L		99
52) epichlorohydrin	12.216	57	90725	537.27	ug/L		98
53) n-butyl alcohol	11.089	56	290361	4810.45	ug/L		100
54) cyclohexane	10.051	84	251903	94.62	ug/L	#	100
55) carbon tetrachloride	10.208	117	239723	94.09	ug/L		98
56) 1,1-dichloropropene	10.192	75	201022	94.45	ug/L		99
57) hexane	8.163	57	173642	93.66	ug/L		99
58) benzene	10.481	78	606976	97.19	ug/L		99
59) isooctane	10.449	57	641077	96.29	ug/L		100
60) heptane	10.638	57	98855	99.25	ug/L		99
61) isopropyl acetate	10.444	43	415973m	72.57	ug/L		
62) 1,2-dichloroethane	10.538	62	193506	97.48	ug/L		97
63) trichloroethene	11.231	95	157895	100.92	ug/L		99
65) 2-nitropropane	12.075	43	373066	108.87	ug/L		99
66) 2-chloroethyl vinyl ether	12.075	63	533796	546.82	ug/L		99
67) methyl methacrylate	11.535	69	113628	111.09	ug/L		99
68) 1,2-dichloropropane	11.524	63	161474	103.27	ug/L		100
69) methylcyclohexane	11.419	83	272430	96.21	ug/L		99
70) dibromomethane	11.697	93	115766	106.75	ug/L		97
71) bromodichloromethane	11.833	83	222084	105.26	ug/L		99
72) cis-1,3-dichloropropene	12.284	75	260789	111.97	ug/L		99
74) 4-methyl-2-pentanone	12.389	58	74716	106.32	ug/L		96
75) toluene	12.625	92	352130	109.41	ug/L		98
76) 3-methyl-1-butanol	12.436	70	102594	1940.64	ug/L		99
77) trans-1,3-dichloropropene	12.861	75	229887	109.89	ug/L		100
78) ethyl methacrylate	12.840	69	202505	107.10	ug/L		99
79) 1,1,2-trichloroethane	13.081	83	130875	109.64	ug/L		100
80) 2-hexanone	13.249	58	65749	106.49	ug/L		100
82) tetrachloroethene	13.207	166	154364	103.29	ug/L		97
83) 1,3-dichloropropane	13.260	76	218558	104.57	ug/L		100
84) butyl acetate	13.317	56	103728	99.43	ug/L		99
85) dibromochloromethane	13.527	129	189007	105.40	ug/L		99
86) 1,2-dibromoethane	13.674	107	161757	103.15	ug/L		98
87) chlorobenzene	14.135	112	393515	101.70	ug/L		98
88) 1,1,1,2-tetrachloroethane	14.203	131	171224	96.15	ug/L		99
89) ethylbenzene	14.182	91	680651	98.85	ug/L		99
90) m,p-xylene	14.292	106	506567	199.12	ug/L		100
91) o-xylene	14.728	106	269491	98.40	ug/L		99
92) styrene	14.743	104	442433	102.34	ug/L		100
93) bromoform	15.037	173	144479	104.57	ug/L		99
95) isopropylbenzene	15.074	105	719964	99.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

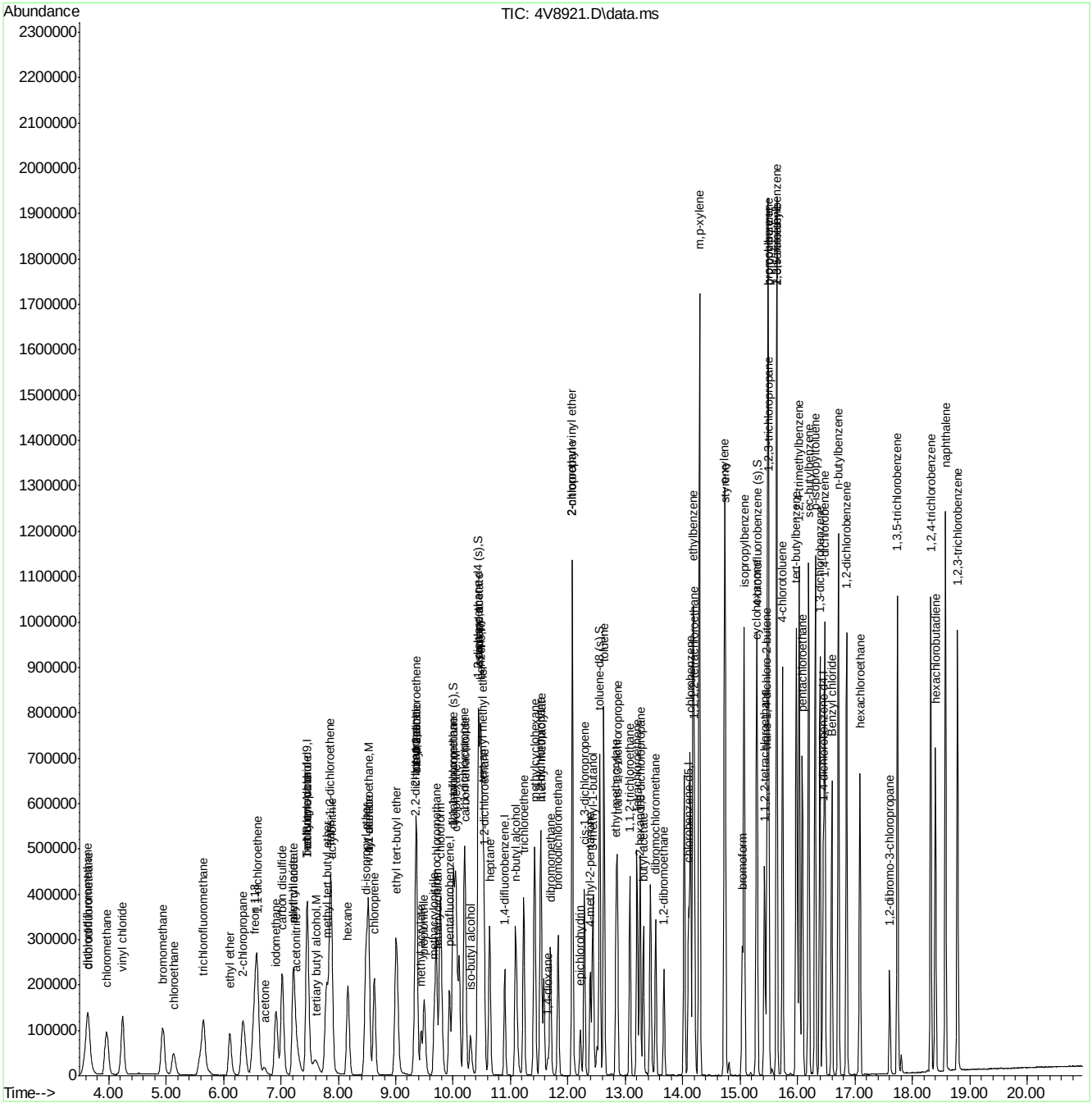
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	bromobenzene	15.488	156	189191	106.46	ug/L	99
98)	cyclohexanone	15.283	55	240892	1069.41	ug/L	100
99)	1,1,2,2-tetrachloroethane	15.425	83	255542	101.32	ug/L	100
100)	trans-1,4-dichloro-2-b...	15.467	53	61019	102.90	ug/L	92
101)	1,2,3-trichloropropane	15.498	110	53478	103.79	ug/L	99
102)	n-propylbenzene	15.488	91	831458	101.22	ug/L	98
103)	2-chlorotoluene	15.640	126	171171	102.26	ug/L	96
104)	4-chlorotoluene	15.740	91	520735	103.19	ug/L	100
105)	1,3,5-trimethylbenzene	15.635	105	623464	101.32	ug/L	100
106)	tert-butylbenzene	15.981	119	522141	91.32	ug/L	98
107)	pentachloroethane	16.080	167	136022	102.04	ug/L	98
108)	1,2,4-trimethylbenzene	16.028	105	619339	101.41	ug/L	97
109)	sec-butylbenzene	16.190	105	859713	101.41	ug/L	99
110)	1,3-dichlorobenzene	16.390	146	372248	103.20	ug/L	99
111)	p-isopropyltoluene	16.311	119	682777	101.61	ug/L	99
112)	1,4-dichlorobenzene	16.474	146	378750	103.20	ug/L	98
114)	1,2-dichlorobenzene	16.856	146	387327	103.35	ug/L	99
115)	n-butylbenzene	16.715	92	376208	100.90	ug/L	99
116)	1,2-dibromo-3-chloropr...	17.606	75	54763	97.72	ug/L	99
117)	1,3,5-trichlorobenzene	17.742	180	322418	99.05	ug/L	100
118)	1,2,4-trichlorobenzene	18.324	180	304441	97.41	ug/L	99
119)	hexachlorobutadiene	18.403	225	141553	101.45	ug/L	99
120)	naphthalene	18.576	128	866871	95.55	ug/L	100
121)	1,2,3-trichlorobenzene	18.786	180	288693	95.71	ug/L	98
122)	hexachloroethane	17.087	119	155559	98.17	ug/L	99
123)	Benzyl chloride	16.599	91	463582	100.99	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8921.D
Injection Time: 06/17/14 14:58

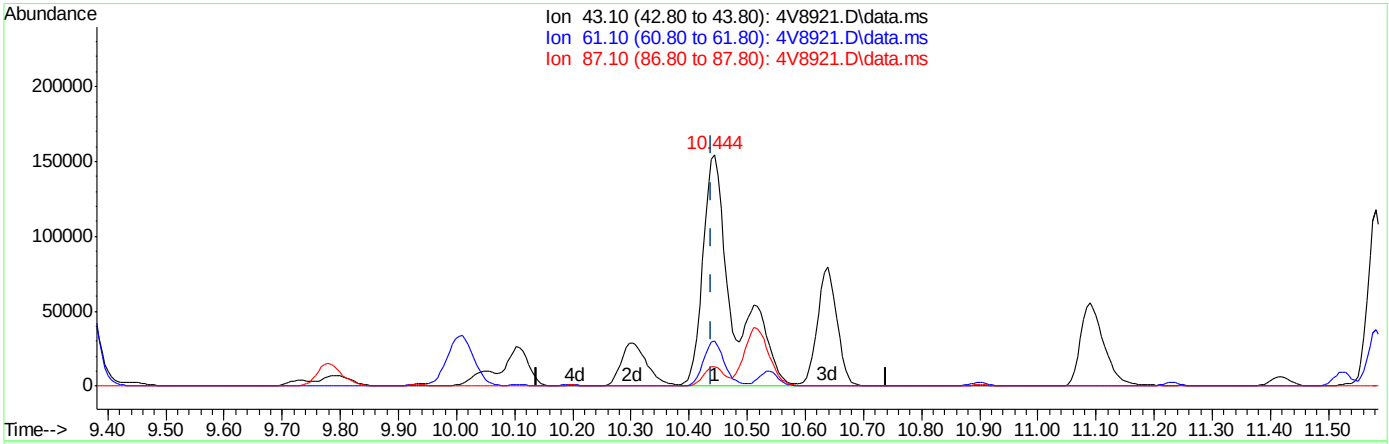
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

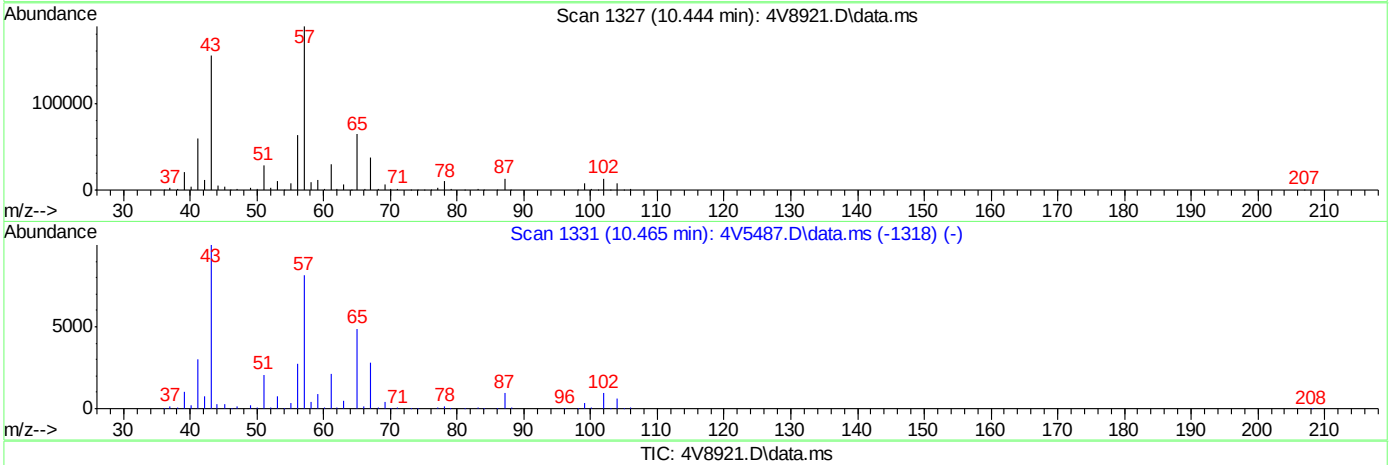
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 09:57:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8921.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 99.07ug/L

response 567865

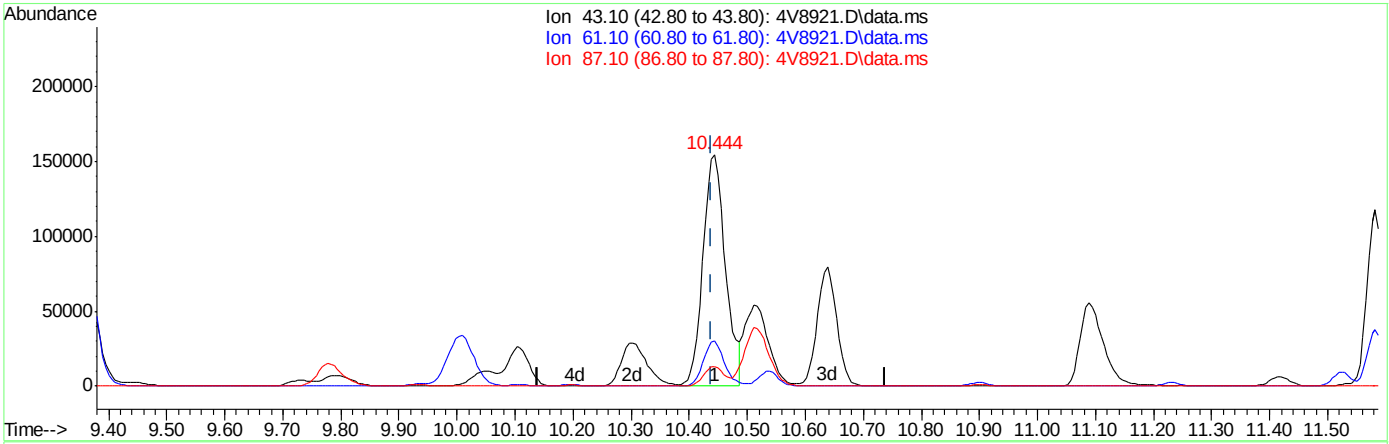
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.60
87.10	5.70	6.00
0.00	0.00	0.00

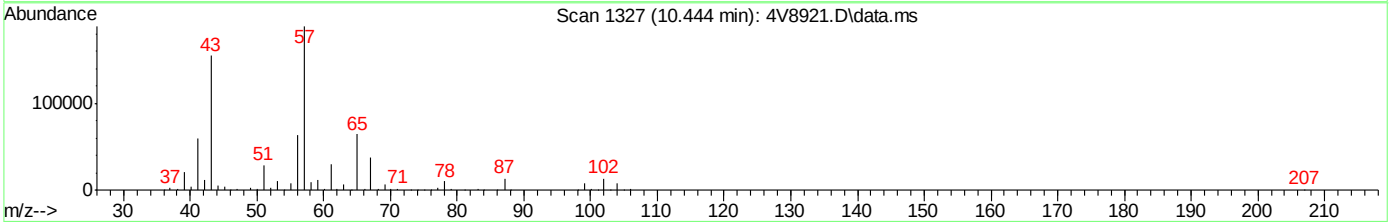
ACCUTEST LABORATORIES JB69534

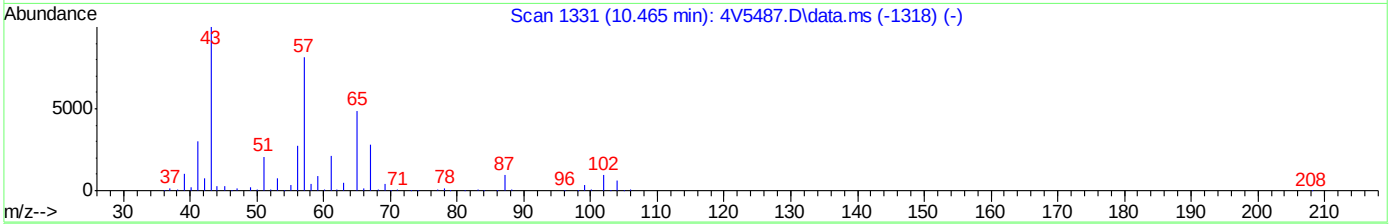
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 09:57:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8921.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 72.57ug/L m

response 415973

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	18.56
87.10	5.70	8.19
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.471	65	139767	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	170250	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	227913	50.00	ug/L		0.00
81) chlorobenzene-d5	14.104	117	215471	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.453	152	129272	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	318661	202.38	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 404.76%#				
46) 1,2-dichloroethane-d4 (s)	10.439	65	309581	203.21	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 406.42%#				
73) toluene-d8 (s)	12.552	98	1003222	217.84	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 435.68%#				
96) 4-bromofluorobenzene (s)	15.294	95	426898	205.28	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 410.56%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	112706	4953.15	ug/L	#	99
3) tertiary butyl alcohol	7.608	59	263856	960.46	ug/L		97
6) chlorodifluoromethane	3.639	51	506844	207.46	ug/L		99
7) dichlorodifluoromethane	3.618	85	581455	208.32	ug/L		99
9) chloromethane	3.974	50	560176	223.85	ug/L		99
10) vinyl chloride	4.242	62	607908	220.73	ug/L		100
11) bromomethane	4.939	94	330021	195.89	ug/L		99
12) chloroethane	5.123	64	179328	171.96	ug/L		99
13) trichlorofluoromethane	5.642	101	640330	217.18	ug/L		98
14) ethyl ether	6.108	74	150559	205.54	ug/L		96
16) 2-chloropropane	6.339	43	538777	205.33	ug/L	#	92
18) 1,1-dichloroethene	6.585	61	561139	212.87	ug/L		98
19) acetone	6.706	58	32977	207.95	ug/L		87
20) allyl chloride	7.209	76	148738	209.46	ug/L		89
21) acetonitrile	7.251	40	309181	1981.30	ug/L		93
22) iodomethane	6.910	142	712694	212.52	ug/L		99
23) iso-butyl alcohol	10.303	41	134401	2018.28	ug/L		96
24) carbon disulfide	7.021	76	1406335	213.93	ug/L		99
25) methylene chloride	7.456	84	397882	208.98	ug/L		100
26) 1-chloropropane	7.461	41	150924	212.92	ug/L	#	84
27) methyl acetate	7.220	74	55450	201.47	ug/L		94
28) methyl tert butyl ether	7.802	73	1039453	203.40	ug/L		100
29) trans-1,2-dichloroethene	7.854	61	464662	201.30	ug/L		99
30) di-isopropyl ether	8.483	45	1035638	205.15	ug/L		99
31) ethyl tert-butyl ether	9.008	59	1096742	208.05	ug/L		99
32) 2-butanone	9.348	72	40433	210.91	ug/L		97
33) 1,1-dichloroethane	8.525	63	578635	202.80	ug/L		99
34) chloroprene	8.625	53	411777	203.29	ug/L		99
35) acrylonitrile	7.880	53	656161	1004.35	ug/L		99
36) vinyl acetate	8.531	86	46173	218.58	ug/L		89
37) ethyl acetate	9.359	45	49573	204.81	ug/L		90
38) 2,2-dichloropropane	9.343	77	491264	201.87	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,2-dichloroethene	9.359	61	576706	201.04	ug/L		99
40) propionitrile	9.501	54	539934	2003.40	ug/L		99
41) methyl acrylate	9.443	55	376577	212.66	ug/L	#	99
42) bromochloromethane	9.705	128	180676	201.56	ug/L		98
43) tetrahydrofuran	9.726	42	127028	213.69	ug/L		98
44) chloroform	9.773	83	565948	200.33	ug/L		100
47) freon 113	6.538	151	285503	212.34	ug/L		94
48) methacrylonitrile	9.668	41	428601	202.68	ug/L		98
49) 1,1,1-trichloroethane	10.004	97	546519	208.08	ug/L		99
50) tert-amyl methyl ether	10.518	73	1083897	211.17	ug/L		99
52) epichlorohydrin	12.216	57	187753	1127.57	ug/L		100
53) n-butyl alcohol	11.089	56	610564	10258.25	ug/L		99
54) cyclohexane	10.051	84	522299	198.96	ug/L	#	100
55) carbon tetrachloride	10.208	117	501504	199.63	ug/L		99
56) 1,1-dichloropropene	10.193	75	413391	196.98	ug/L		99
57) hexane	8.164	57	355035	194.22	ug/L		97
58) benzene	10.481	78	1207294	196.05	ug/L		99
59) isooctane	10.450	57	1346716	205.13	ug/L		99
60) heptane	10.638	57	198628	202.24	ug/L		98
61) isopropyl acetate	10.439	43	821963m	145.43	ug/L		
62) 1,2-dichloroethane	10.533	62	377695	192.96	ug/L		99
63) trichloroethene	11.231	95	311425	201.86	ug/L		99
65) 2-nitropropane	12.080	43	745907	220.76	ug/L		99
66) 2-chloroethyl vinyl ether	12.080	63	1079810	1121.79	ug/L		99
67) methyl methacrylate	11.535	69	227717	225.78	ug/L		98
68) 1,2-dichloropropane	11.524	63	317067	205.64	ug/L		99
69) methylcyclohexane	11.419	83	574610	205.79	ug/L		99
70) dibromomethane	11.692	93	222183	207.77	ug/L		99
71) bromodichloromethane	11.828	83	425953	204.74	ug/L		99
72) cis-1,3-dichloropropene	12.285	75	514891	224.19	ug/L		99
74) 4-methyl-2-pentanone	12.389	58	149049	215.08	ug/L		98
75) toluene	12.625	92	701708	221.12	ug/L		99
76) 3-methyl-1-butanol	12.437	70	220305	4226.13	ug/L		99
77) trans-1,3-dichloropropene	12.861	75	468475	227.10	ug/L		99
78) ethyl methacrylate	12.840	69	417876	224.14	ug/L		100
79) 1,1,2-trichloroethane	13.082	83	264428	224.65	ug/L		99
80) 2-hexanone	13.249	58	141674	232.71	ug/L		98
82) tetrachloroethene	13.207	166	316939	201.07	ug/L		98
83) 1,3-dichloropropane	13.260	76	451402	204.76	ug/L		99
84) butyl acetate	13.317	56	216978	197.20	ug/L		99
85) dibromochloromethane	13.527	129	390669	206.56	ug/L		100
86) 1,2-dibromoethane	13.674	107	336609	203.52	ug/L		98
87) chlorobenzene	14.135	112	829626	203.27	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.204	131	346931	184.71	ug/L		99
89) ethylbenzene	14.183	91	1419940	195.51	ug/L		99
90) m,p-xylene	14.293	106	1056281	393.66	ug/L		100
91) o-xylene	14.728	106	556931	192.81	ug/L		99
92) styrene	14.744	104	924024	202.64	ug/L		99
93) bromoform	15.037	173	303612	208.35	ug/L		99
95) isopropylbenzene	15.074	105	1496142	192.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

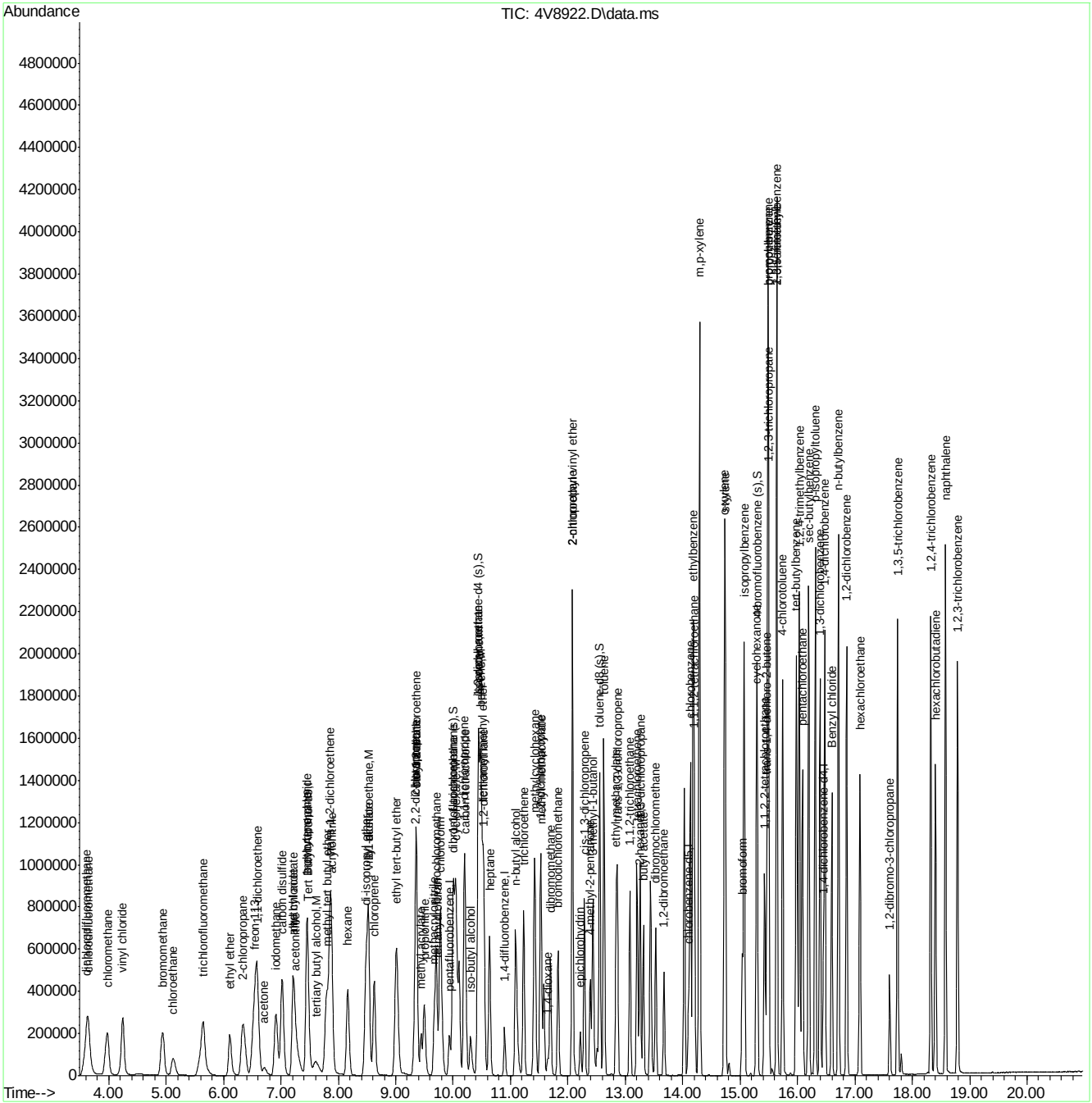
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	bromobenzene	15.488	156	401154	209.88	ug/L	100
98)	cyclohexanone	15.284	55	456494	1884.32	ug/L	99
99)	1,1,2,2-tetrachloroethane	15.425	83	536013	197.61	ug/L	100
100)	trans-1,4-dichloro-2-b...	15.467	53	125509	196.80	ug/L	91
101)	1,2,3-trichloropropane	15.499	110	110267	198.99	ug/L	100
102)	n-propylbenzene	15.488	91	1746910	197.75	ug/L	98
103)	2-chlorotoluene	15.640	126	361381	200.73	ug/L	98
104)	4-chlorotoluene	15.740	91	1098620	202.42	ug/L	99
105)	1,3,5-trimethylbenzene	15.640	105	1310256	197.98	ug/L	100
106)	tert-butylbenzene	15.981	119	1056710	171.84	ug/L	98
107)	pentachloroethane	16.086	167	283344	197.65	ug/L	97
108)	1,2,4-trimethylbenzene	16.033	105	1297562	197.56	ug/L	97
109)	sec-butylbenzene	16.196	105	1786264	195.91	ug/L	99
110)	1,3-dichlorobenzene	16.395	146	785266	202.43	ug/L	98
111)	p-isopropyltoluene	16.311	119	1462671	202.40	ug/L	99
112)	1,4-dichlorobenzene	16.474	146	803188	203.50	ug/L	100
114)	1,2-dichlorobenzene	16.857	146	814007	201.95	ug/L	99
115)	n-butylbenzene	16.715	92	801195	199.79	ug/L	98
116)	1,2-dibromo-3-chloropr...	17.606	75	114008	189.16	ug/L	96
117)	1,3,5-trichlorobenzene	17.748	180	671564	191.83	ug/L	100
118)	1,2,4-trichlorobenzene	18.325	180	623741	185.57	ug/L	99
119)	hexachlorobutadiene	18.403	225	300197	200.04	ug/L	98
120)	naphthalene	18.576	128	1776503	182.06	ug/L	99
121)	1,2,3-trichlorobenzene	18.791	180	595176	183.48	ug/L	99
122)	hexachloroethane	17.087	119	336704	197.58	ug/L	99
123)	Benzyl chloride	16.600	91	955023	193.44	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8922.D
Injection Time: 06/17/14 15:24

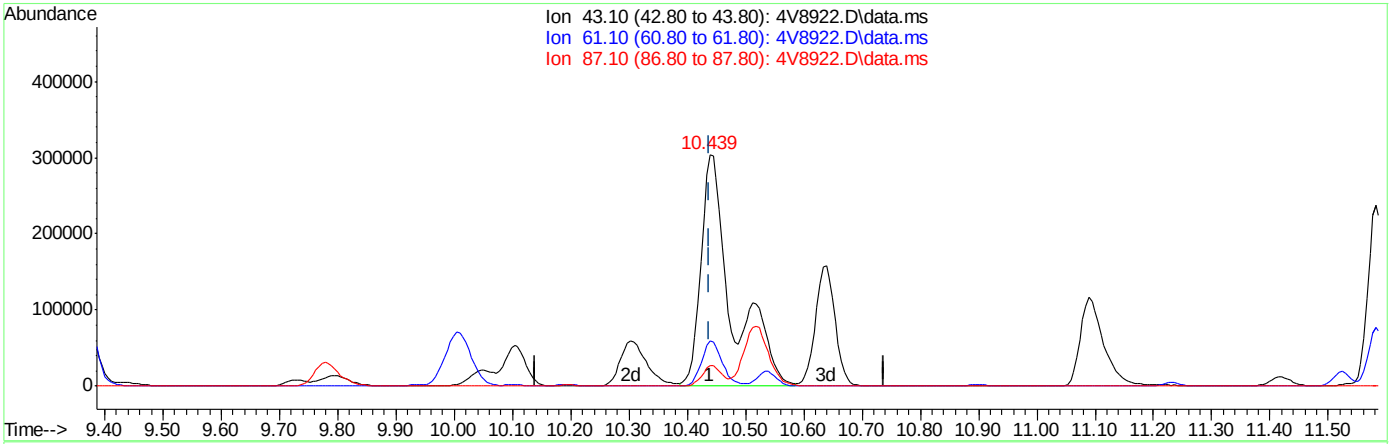
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

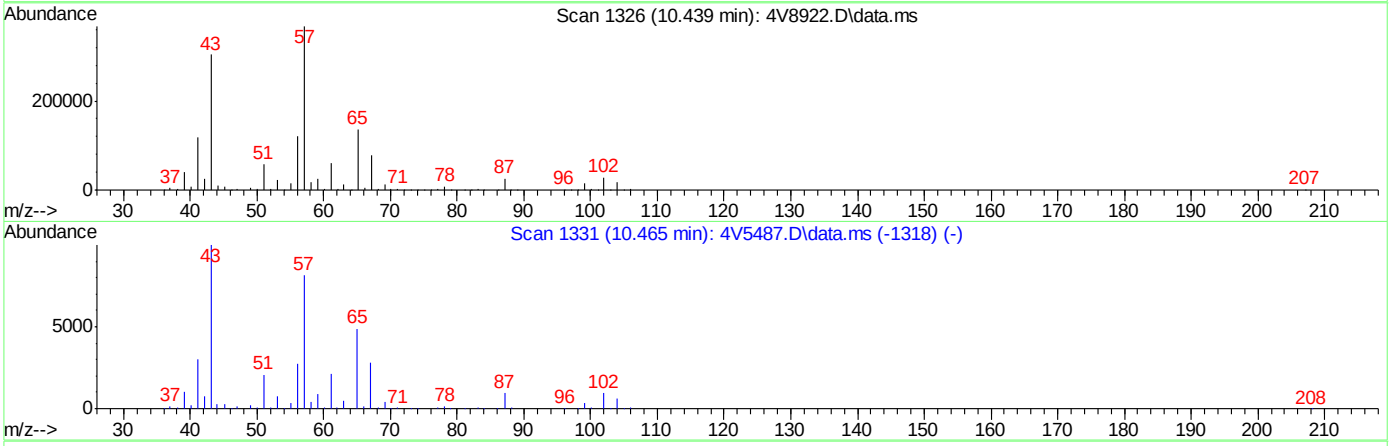
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 09:58:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8922.D\data.ms

(61) isopropyl acetate

10.439min (-0.000) 200.35ug/L

response 1132418

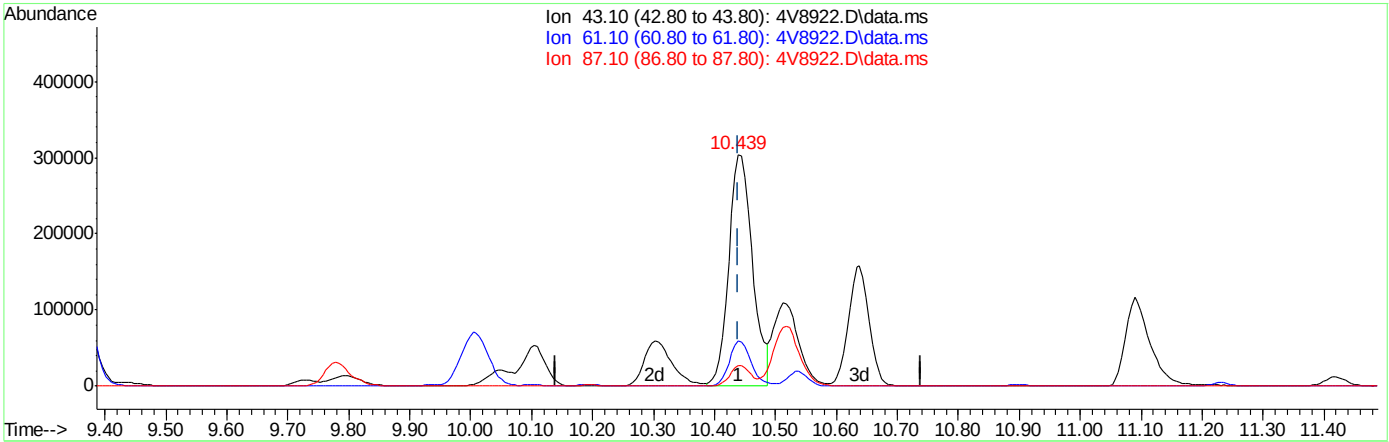
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.19
87.10	5.70	5.93
0.00	0.00	0.00

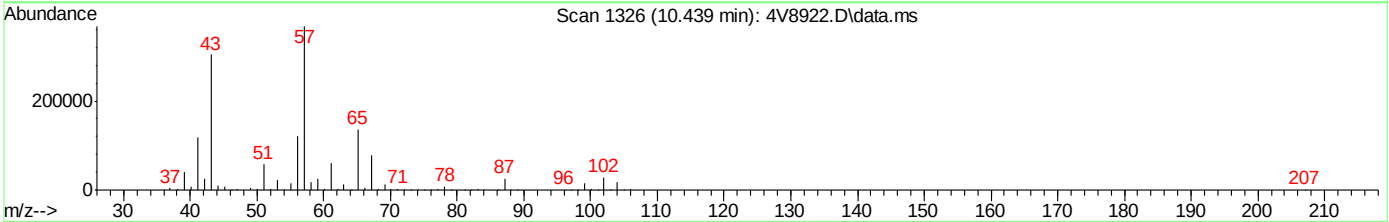
ACCUTEST LABORATORIES JB69534

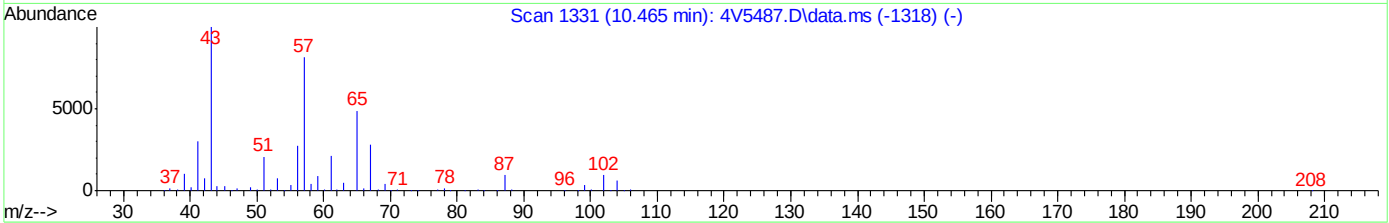
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8922.D\data.ms

(61) isopropyl acetate

10.439min (-0.000) 145.43ug/L m

response 821963

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	18.17
87.10	5.70	8.18
0.00	0.00	0.00

4V8922.D edits: isopropyl acetate

ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.461	65	130497	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	171010	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	218883	50.00	ug/L	0.00
81) chlorobenzene-d5	14.104	117	188364	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	112575	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.999	113	79679	49.22	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.44%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	75774	47.26	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 94.52%			
73) toluene-d8 (s)	12.552	98	228250	49.10	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 98.20%			
96) 4-bromofluorobenzene (s)	15.294	95	94250	48.18	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 96.36%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.656	88	26215	1284.85	ug/L #	99
3) tertiary butyl alcohol	7.592	59	65233	251.51	ug/L	95
6) chlorodifluoromethane	3.634	51	99141	40.03	ug/L	97
7) dichlorodifluoromethane	3.623	85	141944	52.01	ug/L	99
9) chloromethane	3.959	50	129930	48.31	ug/L	100
10) vinyl chloride	4.237	62	145795	51.56	ug/L	100
11) bromomethane	4.944	94	87445	48.19	ug/L	97
12) chloroethane	5.128	64	53602	52.21	ug/L	99
13) trichlorofluoromethane	5.652	101	155092	53.35	ug/L	99
14) ethyl ether	6.108	74	36738	51.88	ug/L	95
16) 2-chloropropane	6.334	43	133825	49.13	ug/L	99
17) acrolein	6.449	56	184773	488.20	ug/L	100
18) 1,1-dichloroethene	6.586	61	135802	51.55	ug/L	98
19) acetone	6.706	58	8089	54.95	ug/L	98
20) allyl chloride	7.215	76	37300	51.69	ug/L	92
21) acetonitrile	7.251	40	79406	524.31	ug/L	92
22) iodomethane	6.911	142	172924	50.72	ug/L	98
23) iso-butyl alcohol	10.303	41	34081	491.79	ug/L	97
24) carbon disulfide	7.021	76	342127	48.64	ug/L	100
25) methylene chloride	7.456	84	95652	48.88	ug/L	100
26) 1-chloropropane	7.461	41	37012	48.78	ug/L	96
27) methyl acetate	7.225	74	12847	49.58	ug/L	97
28) methyl tert butyl ether	7.802	73	504100	95.38	ug/L	99
29) trans-1,2-dichloroethene	7.854	61	118305	50.88	ug/L	99
30) di-isopropyl ether	8.484	45	258987	50.71	ug/L	99
31) ethyl tert-butyl ether	9.008	59	262168	51.38	ug/L	99
32) 2-butanone	9.349	72	9520	50.68	ug/L	97
33) 1,1-dichloroethane	8.531	63	146608	51.18	ug/L	99
34) chloroprene	8.630	53	96769	49.77	ug/L	99
35) acrylonitrile	7.881	53	161844	260.46	ug/L	98
36) vinyl acetate	8.531	86	12007	55.99	ug/L	95
37) ethyl acetate	9.359	45	11625	46.26	ug/L	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	119313	46.29	ug/L		98
39) cis-1,2-dichloroethene	9.359	61	144642	49.25	ug/L		98
40) propionitrile	9.501	54	131916	508.28	ug/L		99
41) methyl acrylate	9.443	55	87146	46.78	ug/L	#	99
42) bromochloromethane	9.705	128	44647	49.88	ug/L		92
43) tetrahydrofuran	9.731	42	29546	46.10	ug/L		98
44) chloroform	9.779	83	143139	49.14	ug/L		99
47) freon 113	6.544	151	70389	52.45	ug/L		98
48) methacrylonitrile	9.674	41	105809	48.59	ug/L		98
49) 1,1,1-trichloroethane	10.009	97	134712	50.92	ug/L		100
50) tert-amyl methyl ether	10.513	73	258822	50.28	ug/L		99
52) epichlorohydrin	12.217	57	40815	257.89	ug/L		98
53) n-butyl alcohol	11.089	56	144111	2757.92	ug/L		98
54) cyclohexane	10.051	84	130167	52.20	ug/L	#	100
55) carbon tetrachloride	10.208	117	123744	52.42	ug/L		99
56) 1,1-dichloropropene	10.193	75	101002	50.13	ug/L		98
57) hexane	8.169	57	68485	40.72	ug/L		97
58) benzene	10.481	78	294610	49.11	ug/L		100
59) isooctane	10.444	57	309119	53.28	ug/L		98
60) heptane	10.638	57	49595	53.79	ug/L		96
61) isopropyl acetate	10.444	43	213515m	54.75	ug/L		
62) 1,2-dichloroethane	10.534	62	88674	49.18	ug/L		99
63) trichloroethene	11.231	95	73451	48.62	ug/L		99
65) 2-nitropropane	12.075	43	165523	47.15	ug/L		99
66) 2-chloroethyl vinyl ether	12.075	63	236102	254.72	ug/L		99
67) methyl methacrylate	11.535	69	48279	49.62	ug/L		99
68) 1,2-dichloropropane	11.519	63	74136	51.82	ug/L		99
69) methylcyclohexane	11.420	83	134704	53.12	ug/L		97
70) dibromomethane	11.692	93	51346	50.43	ug/L		99
71) bromodichloromethane	11.829	83	99516	49.44	ug/L		100
72) cis-1,3-dichloropropene	12.285	75	112317	48.18	ug/L		99
74) 4-methyl-2-pentanone	12.390	58	33346	51.61	ug/L		99
75) toluene	12.626	92	157877	49.05	ug/L		98
76) 3-methyl-1-butanol	12.437	70	50651	1076.90	ug/L		100
77) trans-1,3-dichloropropene	12.861	75	102067	49.00	ug/L		99
78) ethyl methacrylate	12.840	69	91512	49.72	ug/L		99
79) 1,1,2-trichloroethane	13.082	83	56986	49.93	ug/L		97
80) 2-hexanone	13.249	58	30076	49.85	ug/L		97
82) tetrachloroethene	13.202	166	69791	52.29	ug/L		99
83) 1,3-dichloropropane	13.260	76	97480	48.41	ug/L		99
84) butyl acetate	13.318	56	49660	50.06	ug/L		98
85) dibromochloromethane	13.527	129	82873	50.94	ug/L		99
86) 1,2-dibromoethane	13.674	107	72507	49.44	ug/L		100
87) chlorobenzene	14.136	112	181578	49.30	ug/L		97
88) 1,1,1,2-tetrachloroethane	14.204	131	80620	51.82	ug/L		99
89) ethylbenzene	14.183	91	321828	49.67	ug/L		100
90) m,p-xylene	14.293	106	238654	98.32	ug/L		99
91) o-xylene	14.728	106	127237	50.61	ug/L		99
92) styrene	14.744	104	203193	48.16	ug/L		99
93) bromoform	15.037	173	63563	49.57	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

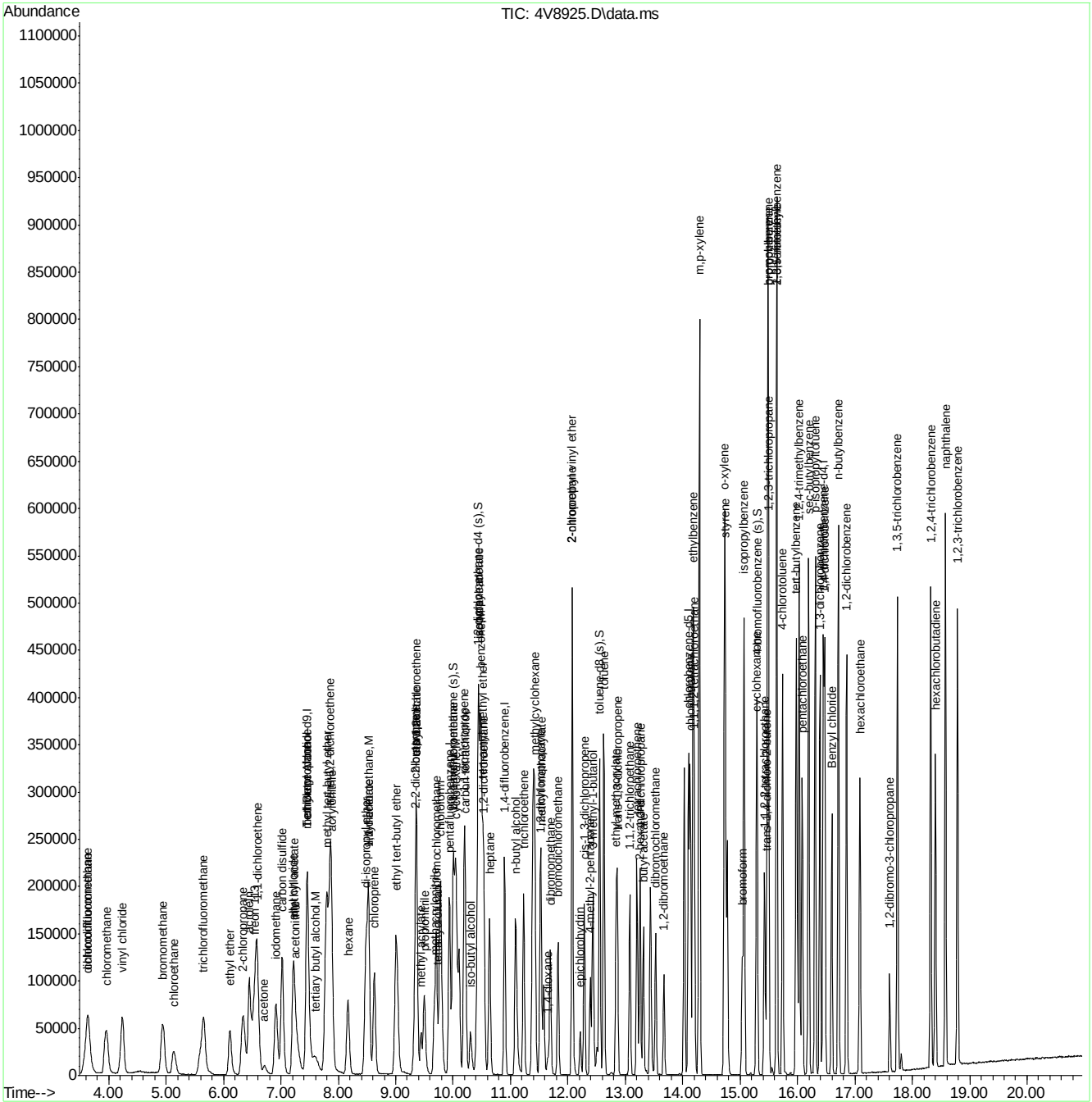
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	344396	50.42	ug/L	99
97) bromobenzene	15.488	156	85365	48.77	ug/L	98
98) cyclohexanone	15.284	55	79540	353.25	ug/L	99
99) 1,1,2,2-tetrachloroethane	15.425	83	119196	47.92	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	26846	47.47	ug/L	99
101) 1,2,3-trichloropropane	15.499	110	24444	50.33	ug/L	96
102) n-propylbenzene	15.488	91	401526	49.26	ug/L	100
103) 2-chlorotoluene	15.640	126	81356	50.10	ug/L	98
104) 4-chlorotoluene	15.740	91	242507	47.85	ug/L	100
105) 1,3,5-trimethylbenzene	15.635	105	298966	51.09	ug/L	98
106) tert-butylbenzene	15.981	119	236132	50.29	ug/L	99
107) pentachloroethane	16.081	167	62936	54.22	ug/L	96
108) 1,2,4-trimethylbenzene	16.028	105	295287	49.72	ug/L	98
109) sec-butylbenzene	16.191	105	407308	49.81	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	170389	47.92	ug/L	99
111) p-isopropyltoluene	16.311	119	328627	50.06	ug/L	98
112) 1,4-dichlorobenzene	16.474	146	173370	47.70	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	176587	47.77	ug/L	100
115) n-butylbenzene	16.710	92	180778	49.56	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	25037	46.56	ug/L	97
117) 1,3,5-trichlorobenzene	17.743	180	151973	48.24	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	147641	50.05	ug/L	99
119) hexachlorobutadiene	18.403	225	66434	49.52	ug/L	98
120) naphthalene	18.576	128	414491	49.19	ug/L	100
121) 1,2,3-trichlorobenzene	18.786	180	141783	50.15	ug/L	99
122) hexachloroethane	17.087	119	74796	53.22	ug/L	99
123) Benzyl chloride	16.600	91	199524	44.04	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Manual Integration Approval Summary

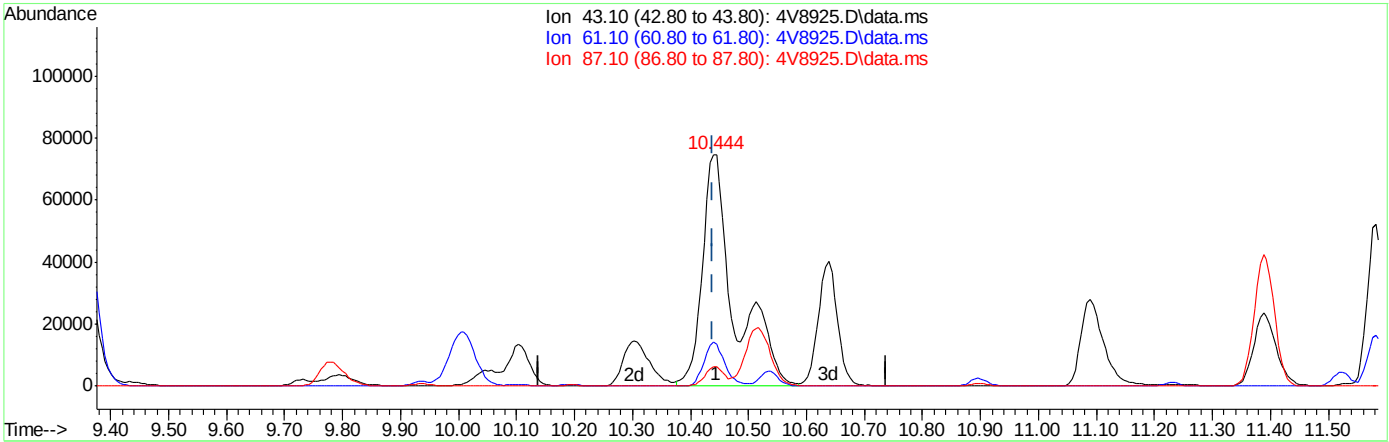
Sample Number: V4V368-ICV368
Lab FileID: 4V8925.D
Injection Time: 06/17/14 16:43
Method: SW846 8260B
Analyst approved: 06/18/14 16:21 Juntae Park
Supervisor approved: 06/18/14 18:23 Jessica Reitan-Chu

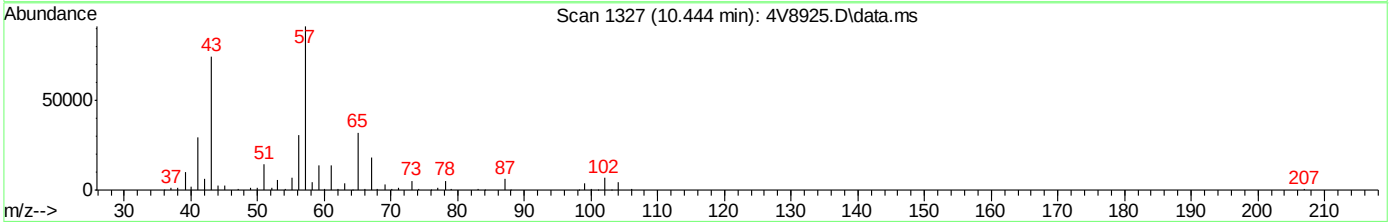
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

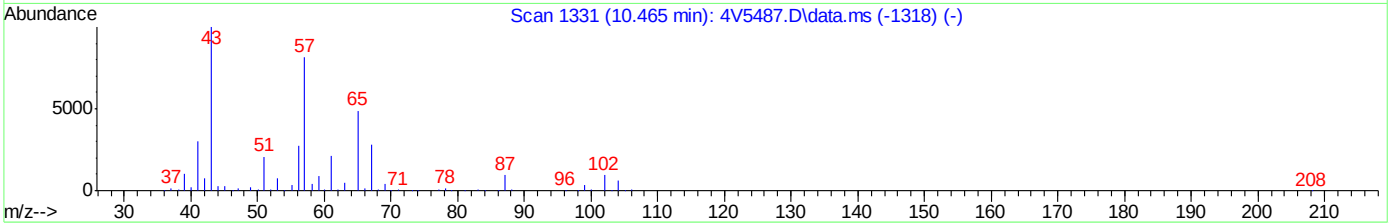
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 15:00:22 2014
Response via : Initial Calibration







TIC: 4V8925.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 70.48ug/L

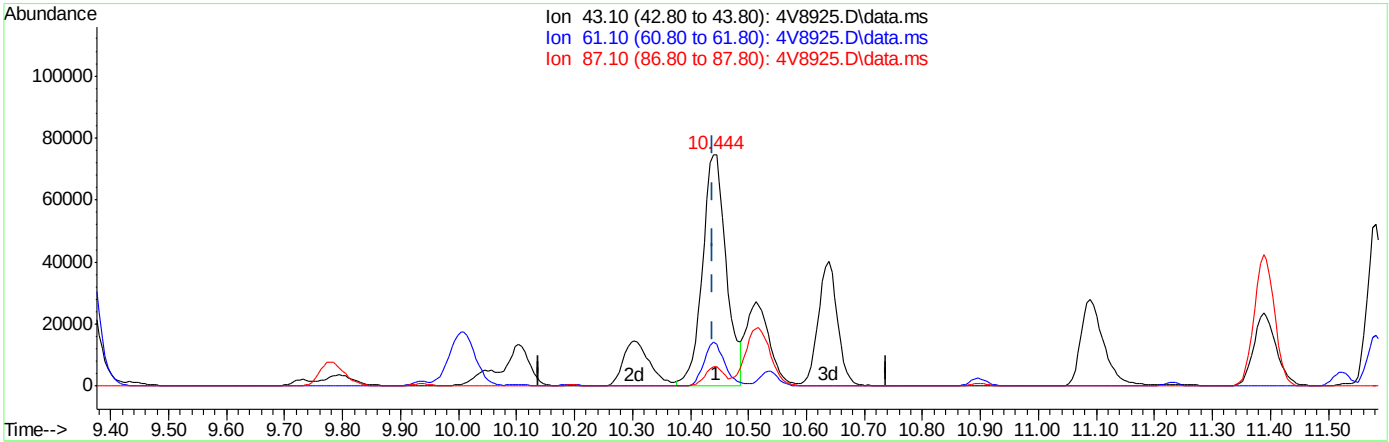
response 287788

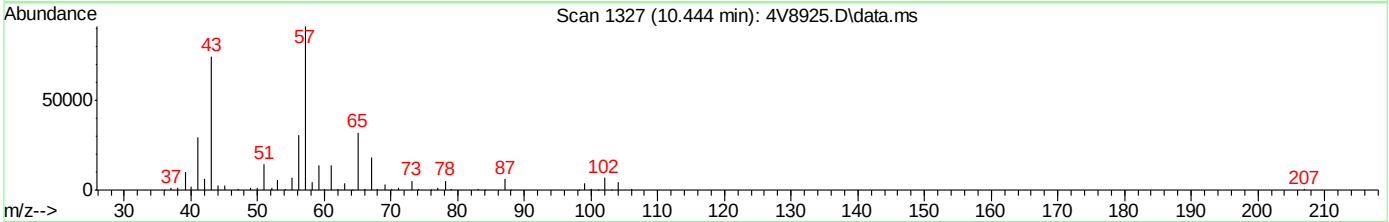
Ion	Exp%	Act%
43.10	100	100
61.10	18.20	12.33
87.10	8.00	5.54
0.00	0.00	0.00

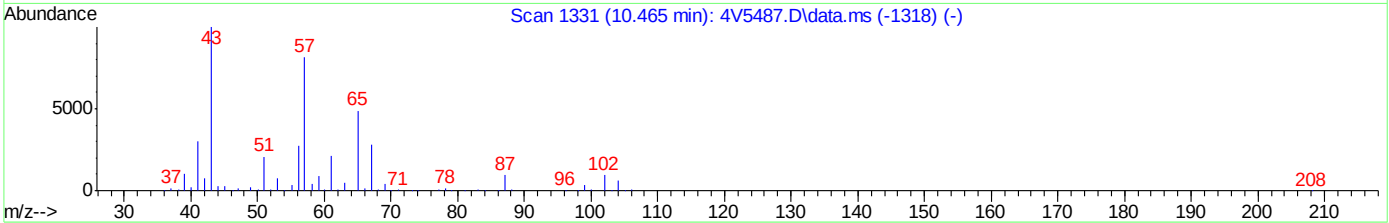
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 15:00:22 2014
Response via : Initial Calibration







TIC: 4V8925.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 52.29ug/L m

response 213515

Ion	Exp%	Act%
43.10	100	100
61.10	18.20	16.62
87.10	8.00	7.46
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9248.D
Acq On : 27 Jun 2014 9:03 am
Operator : BenM
Sample : cc368-20
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.445	65	140450	500.00	ug/L		-0.02
4) pentafluorobenzene	9.931	168	162083	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.895	114	228211	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	222610	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	138277	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.988	113	80883	52.71	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 105.42%				
46) 1,2-dichloroethane-d4 (s)	10.434	65	81705	53.76	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 107.52%				
73) toluene-d8 (s)	12.547	98	257716	53.17	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.34%				
96) 4-bromofluorobenzene (s)	15.289	95	124414	51.78	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.56%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.645	88	10541	480.02	ug/L	#	96
3) tertiary butyl alcohol	7.582	59	27924	100.03	ug/L		95
6) chlorodifluoromethane	3.639	51	45737	19.48	ug/L		96
7) dichlorodifluoromethane	3.618	85	47788	18.47	ug/L		97
9) chloromethane	3.953	50	46805	18.36	ug/L		96
10) vinyl chloride	4.237	62	54216	20.23	ug/L		98
11) bromomethane	4.944	94	35437	20.61	ug/L		98
12) chloroethane	5.133	64	20624	21.19	ug/L		98
13) trichlorofluoromethane	5.652	101	60464	21.94	ug/L		99
14) ethyl ether	6.103	74	15043	22.42	ug/L		99
16) 2-chloropropane	6.334	43	54201	21.00	ug/L		98
17) acrolein	6.444	56	75551	210.61	ug/L		99
18) 1,1-dichloroethene	6.575	61	54693	21.90	ug/L		100
19) acetone	6.701	58	3082	22.09	ug/L		93
20) allyl chloride	7.204	76	16067	23.49	ug/L	#	79
21) acetonitrile	7.236	40	32244	224.63	ug/L		86
22) iodomethane	6.905	142	73438	22.72	ug/L		98
23) iso-butyl alcohol	10.292	41	13439	204.61	ug/L		96
24) carbon disulfide	7.010	76	142237	21.33	ug/L		99
25) methylene chloride	7.445	84	41293	22.26	ug/L		97
26) 1-chloropropane	7.451	41	13772	19.15	ug/L	#	72
27) methyl acetate	7.209	74	5315	21.64	ug/L		98
28) methyl tert butyl ether	7.786	73	111905	22.34	ug/L		97
29) trans-1,2-dichloroethene	7.849	61	47521	21.56	ug/L		99
30) di-isopropyl ether	8.478	45	104488	21.59	ug/L		98
31) ethyl tert-butyl ether	9.003	59	113460	23.46	ug/L		98
32) 2-butanone	9.354	72	3850	21.62	ug/L		92
33) 1,1-dichloroethane	8.520	63	58740	21.63	ug/L		97
34) chloroprene	8.620	53	39781	21.59	ug/L		95
35) acrylonitrile	7.875	53	63980	108.64	ug/L		100
36) vinyl acetate	8.536	86	4200	20.66	ug/L		50
37) ethyl acetate	9.354	45	4589	19.27	ug/L		65

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9248.D
Acq On : 27 Jun 2014 9:03 am
Operator : BenM
Sample : cc368-20
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.338	77	56011	22.93	ug/L		98
39) cis-1,2-dichloroethene	9.349	61	57566	20.68	ug/L		97
40) propionitrile	9.490	54	52732	214.37	ug/L		96
41) methyl acrylate	9.438	55	37346	21.15	ug/L	#	99
42) bromochloromethane	9.700	128	17772	20.95	ug/L		98
43) tetrahydrofuran	9.726	42	11960	19.69	ug/L		99
44) chloroform	9.768	83	56874	20.60	ug/L		100
47) freon 113	6.544	151	30053	23.63	ug/L		96
48) methacrylonitrile	9.663	41	43863	21.25	ug/L		95
49) 1,1,1-trichloroethane	9.999	97	56790	22.65	ug/L		97
50) tert-amyl methyl ether	10.507	73	110001	22.55	ug/L		97
52) epichlorohydrin	12.211	57	18509	112.17	ug/L		98
53) n-butyl alcohol	11.084	56	57799	1060.91	ug/L		97
54) cyclohexane	10.046	84	51087	19.65	ug/L	#	100
55) carbon tetrachloride	10.203	117	51221	20.81	ug/L		99
56) 1,1-dichloropropene	10.187	75	41081	19.56	ug/L		99
57) hexane	8.158	57	32296	18.42	ug/L		98
58) benzene	10.476	78	124115	19.84	ug/L		99
59) isooctane	10.439	57	119499	19.75	ug/L		97
60) heptane	10.633	57	18490	19.23	ug/L		99
61) isopropyl acetate	10.434	43	110981	27.29	ug/L		93
62) 1,2-dichloroethane	10.534	62	38950	20.72	ug/L		100
63) trichloroethene	11.226	95	32725	20.78	ug/L		98
65) 2-nitropropane	12.070	43	73335	20.04	ug/L		99
66) 2-chloroethyl vinyl ether	12.070	63	108043	111.80	ug/L		99
67) methyl methacrylate	11.530	69	20935	20.64	ug/L		93
68) 1,2-dichloropropane	11.519	63	31927	21.40	ug/L		99
69) methylcyclohexane	11.409	83	55444	20.97	ug/L		99
70) dibromomethane	11.687	93	23008	21.67	ug/L		99
71) bromodichloromethane	11.823	83	43806	20.87	ug/L		99
72) cis-1,3-dichloropropene	12.279	75	49906	20.53	ug/L		100
74) 4-methyl-2-pentanone	12.384	58	14173	21.04	ug/L		97
75) toluene	12.620	92	69237	20.63	ug/L		100
76) 3-methyl-1-butanol	12.431	70	22148	451.65	ug/L		95
77) trans-1,3-dichloropropene	12.856	75	46525	21.42	ug/L		99
78) ethyl methacrylate	12.835	69	39828	20.76	ug/L		99
79) 1,1,2-trichloroethane	13.076	83	25774	21.66	ug/L		97
80) 2-hexanone	13.249	58	13913	22.12	ug/L		99
82) tetrachloroethene	13.202	166	30422	19.29	ug/L		98
83) 1,3-dichloropropane	13.260	76	45755	19.23	ug/L		100
84) butyl acetate	13.312	56	22780	19.43	ug/L		99
85) dibromochloromethane	13.522	129	37654	19.58	ug/L		96
86) 1,2-dibromoethane	13.669	107	34464	19.88	ug/L		100
87) chlorobenzene	14.130	112	85921	19.74	ug/L		98
88) 1,1,1,2-tetrachloroethane	14.198	131	34734	18.89	ug/L		97
89) ethylbenzene	14.177	91	145668	19.02	ug/L		99
90) m,p-xylene	14.288	106	110288	38.45	ug/L		97
91) o-xylene	14.723	106	57480	19.34	ug/L		99
92) styrene	14.744	104	95574	19.17	ug/L		98
93) bromoform	15.032	173	30096	19.86	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9248.D
Acq On : 27 Jun 2014 9:03 am
Operator : BenM
Sample : cc368-20
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

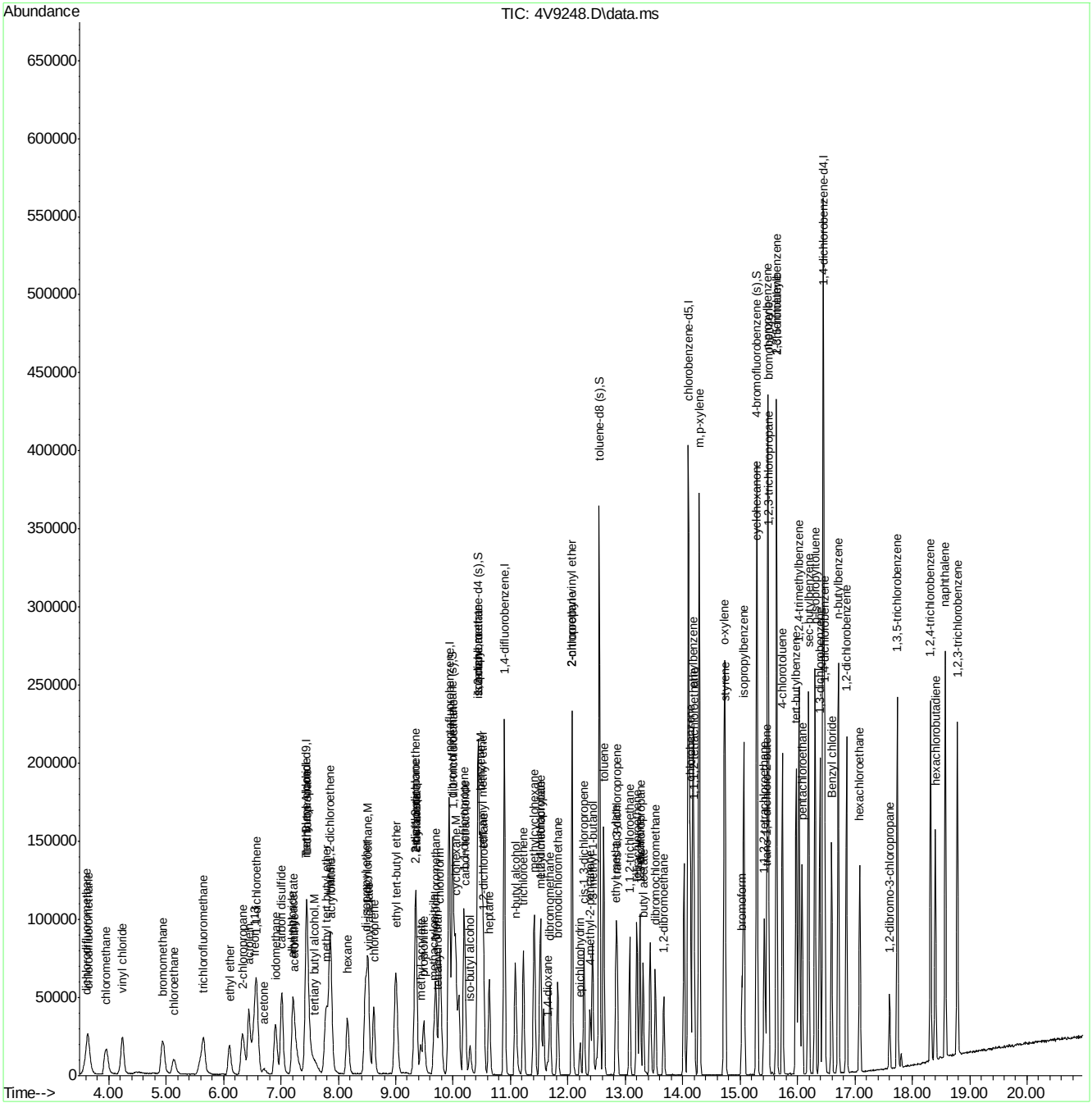
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
95) isopropylbenzene	15.069	105	151407	18.05	ug/L		99
97) bromobenzene	15.488	156	42101	19.58	ug/L		100
98) cyclohexanone	15.284	55	21384	39.63	ug/L	#	82
99) 1,1,2,2-tetrachloroethane	15.420	83	57223	18.73	ug/L		99
100) trans-1,4-dichloro-2-b...	15.462	53	11810	17.00	ug/L		90
101) 1,2,3-trichloropropane	15.493	110	12227	20.50	ug/L		99
102) n-propylbenzene	15.483	91	184823	18.46	ug/L		100
103) 2-chlorotoluene	15.635	126	38543	19.32	ug/L		98
104) 4-chlorotoluene	15.740	91	118608	19.05	ug/L		99
105) 1,3,5-trimethylbenzene	15.635	105	135794	18.89	ug/L		99
106) tert-butylbenzene	15.981	119	105685	18.32	ug/L		100
107) pentachloroethane	16.081	167	27403	19.22	ug/L		100
108) 1,2,4-trimethylbenzene	16.028	105	138664	19.01	ug/L		98
109) sec-butylbenzene	16.191	105	180365	17.96	ug/L		99
110) 1,3-dichlorobenzene	16.390	146	83186	19.05	ug/L		99
111) p-isopropyltoluene	16.306	119	150576	18.68	ug/L		98
112) 1,4-dichlorobenzene	16.474	146	83204	18.64	ug/L		99
114) 1,2-dichlorobenzene	16.857	146	86362	19.02	ug/L		98
115) n-butylbenzene	16.710	92	81600	18.21	ug/L		100
116) 1,2-dibromo-3-chloropr...	17.601	75	12005	18.17	ug/L		95
117) 1,3,5-trichlorobenzene	17.743	180	71351	18.44	ug/L		99
118) 1,2,4-trichlorobenzene	18.319	180	65971	18.21	ug/L		97
119) hexachlorobutadiene	18.403	225	30323	18.40	ug/L		96
120) naphthalene	18.571	128	187742	18.14	ug/L		100
121) 1,2,3-trichlorobenzene	18.786	180	64682	18.63	ug/L		98
122) hexachloroethane	17.082	119	31004	17.96	ug/L		99
123) Benzyl chloride	16.594	91	107550	19.33	ug/L		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V9248.D
Acq On : 27 Jun 2014 9:03 am
Operator : BenM
Sample : cc368-20
Misc : MS69682,V4V382,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3C4989

Print Analyst Name: Poushant B Shukla

Analyst Signature:

Date: 6/17/14

Columns: 2B 624

Method V8260

Initial Cal. Method MSC4989

Standard Data

Lot #	Description	Conc.
01V-1861-42	Acrolein	1000 ppm
63	Ext Acrolein	4
40	Int	200/250 ppm
66	Surr.	100 ppm
69	S	

Standard Data

Lot #	Description	Conc.
01V-1861-27	Std A	100 ppm
34	B	
67	C	
62	Ext A	
61	B	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/18/14

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
	3C														
	110758	BFB	TUNE			1	5						ok	5:37 PM.	
	110759	IC h4989-0.2	IC 8260	SO		2	5						ok	1/ Std A+B+C+AC+S+Sm	500 ml DI H2O
	110760	IC h4989-0.5	IC 8260			3	5						ok	1/ Std A+B+C+AC+S+Sm	200 ml DI H2O
	110761	IC h4989.1	IC 8260			4	5						OK	1/ Std A+B+C+S+Sm + 200/ AC	100 ml DI H2O
	110762	IC h4989-2	IC 8260			5	5						ok	2/ Std A+B+C+S+Sm + 100/ AC	100 ml DI H2O
	110763	IC h4989-5	IC 8260			6	5						OK	5/ Std A+B+C+AC+S+Sm+IS	100 ml DI H2O
	110764	IC h4989.10	IC 8260			7	5						OK	5/ Std A+B+C+AC+S+Sm	50 ml DI H2O
	110765	IC h4989.20	IC 8260			8	5						OK	10/ Std A+B+C+AC+S+ 25/ Sm	50 ml DI H2O
	110766	IC h4989.50	IC 8260			9	5						OK	25/ Std A+B+C+AC+S+Sm	50 ml DI H2O
	110767	IC h4989.100	IC 8260			10	5						OK	50/ Std A+B+C+ S+Sm + 0.5A AC	50 ml DI H2O
	110768	IC h4989.200	IC 8260			11	5						OK	100/ Std A+B+C+S+Sm + 1/ AC	50 ml DI H2O
	110769	IB				12	5						-	clean up Blank	
	110770	IB				13	5						-		
	110771	ICV h4989.50	ICV 8260			14	5						OK	50/ Ext A+B+C+AC+Mixx+Sm+IS	50 ml DI H2O

6/18/14

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.
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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3C4998

Print Analyst Name: Prashant B Shah

Date: 6/23/14

Analyst Signature:

Columns: ZB 624

Method V8260C

Initial Cal. Method V3C4989

Standard Data

Lot #	Description	Conc.
alm-1861-42	Acrolein	1000 ppm
63	Ext Acrolein	↓
74	Lab Surr	250/500 ppm
65	Ext Surr	100 ppm
69	S	↓

Standard Data

Lot #	Description	Conc.
alm-1861-27	STD A	100 ppm
84	B	
77	C	
62	EXT A	
61	B	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/24/14

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
	3C														
	110974	BFB				1							OK	9:53 AM	
	110975	CC lq89-20				2							OK	Lvl 5 Stds ABBICTACTS / SO DI Prep	
	110976	IB				3							clo		
	110977	MB				4							OK		
	110978	BS				5							OK	BS Ext ABBICTACTS / SO DI Prep	
	110979	JB69534-1MS	MS69363 TCL20	S	6	6	5.8						OK	BS SPL ABBICTACTS / SO Surr/Ic	
	110980	JB69534-1MSD	↓	↓	7	7	5.9						OK	↓	
	110981	IB				8							clo		
	110982	JB69696-1	MS69442 N+SVOC 11 2NP BASE COMP, EETV		5	9	5.9						OK	1:55 PM	
	110983	JB69534-1	MS69363 TCL20		3	10	6.1						OK		
	110984	JB69893-1	MS69558 8010L		3	11	6.0						OK		
	110985	JB69893-2	↓		3	12	6.9						OK		
	110986	JB69893-3	↓	↓	3	13	6.9						OK		
	110987	JB69374-9	MS69207 TCL20		4	14	7.1						OK		
	110988	JB69534-2	MS69363 TCL20		4	15	6.5						OK		
	110989	JB69374-9MS			5	16	6.6						OK		
	110989A	IB	MS69208			16							clo		
	110990	JB69460-1	STAR	↓	6	17	5.7						OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate. Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result. All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3C4998 / V3C4999

Print Analyst Name: Prashant BS/bL

Date: 6/23/14

Analyst Signature:

Columns: 2B 624

Method 8260C

Initial Cal. Method M3C4989

Standard Data

Lot #	Description	Conc.
	Refer to	

Standard Data

Lot #	Description	Conc.
	Page # 135	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 6/24/14

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
	110991	JB69400-2	MS 69208 STAR	S	6	18	6.7				✓	✓	OK		
	110992	JB69534-3	MS 69363 TCL 20		3	19	5.6				✓	✓	OK		
	110993	JB69534-4			3	20	5.3				✓	✓	OK		
	110994	JB69534-5			3	21	6.3				✓	✓	OK		
	110995	JB69534-8			3	22	5.3				✓	✓	OK		
	110996	JB69534-9			3	23	6.4				✓	✓	OK		
	110997	JB69534-10	↓		3	24	4.5				✓	✓	OK	9.28.8m	
	110998	JB69400-3	MS 69808 STAR		6	25	6.1						—	Not loaded	
	110999	IB				26							—		
	111000	BFB 2				27							OK	10.28	
	111001	CCH4989.50				28					✓	✓	OK	25% SPD AABIL+AC/SOM D1172a	
	111002	IB				29							CCO		
	111003	MB2				30					✓	✓	OK		
	111004	JB69400-4	MS 69208 STAR	S	6	31	5.0				✓	✓	OK		
	111005	JB69400-5		L	6	32	5.2				✓	✓	OK		
	111006	JB69400-6			6	33	5.9				✓	✓	OK		
	111007	JB69400-7	↓	↓	6	34	5.4				✓	✓	OK		
	111008	IB				35							CCO		

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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: V4V368

Date: 6/17/2014

Print Analyst Name: AUSTIN PARK

Analyst Signature:

Standard Data

Lot #	Description	Conc.
014-1861-27	STD-A	100 ppm
-34	B	↓
-58	C	↓
-42	↓ ACROLEIN	1000 ppm
-59	INT	200/2000 ppm

Standard Data

Lot #	Description	Conc.
014-1861-62	EXT-A	100 ppm
-61	B	↓
-57	C	↓
-63	ACROLEIN	1000 ppm
-60	↓ HEXANE	100 ppm
-35	SURROGATE	100 ppm

Columns: 7B624 60m x 0.25 mm x 1.4 µm

Method V8260B

Initial Cal. Method M4V368

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: 6/18/14

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
	4V8912	BFB				1							OK		
	8913	IC368-5	8260B			2	5						OK	5µl/100ml STD. A+B+C ACROLEIN, surrogate	
	8914	IC368-2	↓			3	5						OK	2µl/100ml 200µl ACROLEIN	
	8915	IC368-1				4	5						OK	1µl/100ml 100µl ACROLEIN	
	8916	IC368-0.5				5	5						OK	0.5µl/100ml	
	8917	IC368-0.2				6	5						OK	0.2µl/100ml	
	8918	IC368-10				7	5						OK	10µl/100ml	
	8919	IC368-20				8	5						OK	20µl/100ml SP 5µl surrogate	
	8920	IC368-50 mp 6/18 ④				9	5						OK	50µl/100ml	
	8921	IC368-100				10	5						OK	100µl/100ml NO ACROLEIN	
	8922	IC368-200				11	5						OK	200µl/100ml NO ACROLEIN	
	8923	IB				12							c/o		
	8924	IB				13							c/o		
	8925	ICV368-50	↓			14	5						OK	50µl/100ml EXT. A+B+C+Hexane EXT. ACROLEIN & surrogate	
	8926	IB				15							c/o	mp 6/17 ④	
	8927	IB				16							c/o		
	8928	JB56878B-9D	MDL VERIFICATION			17	5						OK		
	8929	JB56878B-29H	↓			18	5						OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

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Form: OR001-9
Rev. Date: 2/14/2007

3

7.7.3

7

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V4V382

Date: 6/27/14 (FM)

Print Analyst Name: Ben Mueller

Analyst Signature: BM

Columns: ZB624 (60m x 0.25mm x 1.4um)

Method VC8260

Initial Cal. Method M4V36F

Standard Data

Lot #	Description	Conc.
VM4-161-71	8260 A	100 ppm
-31	B	100
-74	C	100
-81	Acro	1,000
-60	IS	25/250

Standard Data

Lot #	Description	Conc.
VM4-161-72	EXT 8260 A	100 ppm
-61	B	100
-76	C	100
-63	Acro	1,000
-68	Halo	100

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/28/2014

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
	4V9247	BFB				1	5		1X				OK	@ 7:35AM	
	9248	CC368-26				2							OK	20ml ABN, 400ug/100	
	9249	IB				3							c/c		
	9250	MB				4				+			OK		
	9251	BS				5							OK	20ml ABN, 400 ug/100 (EXT)	
	9252	IB				6							c/c		
	9253	jb69628-4	6940 VCH1	W	3	7							OK		✓
	9254	jb69534-6	69364 VC420	SOIL	6	8							OK		✓
	9255	jb69534-7		SOIL	2	9							OK		✓
	9257	jb69628-4MS	6940 VCH1	W	7	10							OK	20ml ABN, 400ug/100	✓
	9257	jb69628-4MSD			4	11							OK		✓
	9258	IB				12							c/c		
	9259	06694-6	67257 SOD	W	3	13	5/50		1X				OK	Dilution Due to foamy	7
	9260	jb69436-5			3	14	05/50		10X				OK	Dilution Due to foamy	6
	9261	jb69436-7	69358 SOD	SOIL	3	15	5/50		10X				OK	Dilution Due to foamy	6
	9262	jb69628-1	6940 VCH1	W	2	16	5		1X				OK		✓
	9263	jb69628-2			1	17	5		1X				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.

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V4V382

Date: 6/27/14 (FR)

Print Analyst Name: Ben Marsden

Analyst Signature:

Standard Data

Lot #	Description	Conc.
	See page 65	

Standard Data

Lot #	Description	Conc.
	See page 65	

Columns: ZB624

Method VOA8260

Initial Cal. Method M4V368

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: 6/30/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml) or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	4V4264	GB69628-3	69401 8260	W	2	18	5		1X		✓	✓	OK		✓
	9265	GB69628-5			2	19					✓	✓	OK		✓
	9266	GB69628-6			2	20					✓	✓	OK		✓
	9267	GB69628-7			2	21					✓	✓	OK/SC	BR 100%, over cal	✓
	9268	GB69628-8			2	22					✓	✓	BR	1X possible carryover	✓
	9269	GB69628-9			1	23					✓	✓	OK		✓
	9270	GB69628-10		MSB	2	24					✓	✓	OK		✓
	9271	GB69628-11		MSD	1	25					✓	✓	OK		✓
	9272	GB69628-12			2	26					✓	✓	OK		✓
	9273	GB70081-10	69682 8260	W	1	27					✓	✓	OK	8:12PM	✓

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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

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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: JB69534
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
OP75766-MB1	3E62288.D	1	06/19/14	OYA	06/19/14	OP75766	E3E2669

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	57	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	140	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	140	46	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	140	48	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	570	35	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	35	ug/kg	
95-48-7	2-Methylphenol	ND	57	33	ug/kg	
	3&4-Methylphenol	ND	57	36	ug/kg	
88-75-5	2-Nitrophenol	ND	140	30	ug/kg	
100-02-7	4-Nitrophenol	ND	290	48	ug/kg	
87-86-5	Pentachlorophenol	ND	290	49	ug/kg	
108-95-2	Phenol	ND	57	30	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	140	29	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	140	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	140	27	ug/kg	
83-32-9	Acenaphthene	ND	29	8.3	ug/kg	
208-96-8	Acenaphthylene	ND	29	9.1	ug/kg	
98-86-2	Acetophenone	ND	140	5.0	ug/kg	
120-12-7	Anthracene	ND	29	10	ug/kg	
1912-24-9	Atrazine	ND	57	5.6	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	9.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	8.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	9.5	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	11	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	57	10	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	57	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	57	3.3	ug/kg	
100-52-7	Benzaldehyde	ND	140	6.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	57	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	140	9.1	ug/kg	
86-74-8	Carbazole	ND	57	13	ug/kg	
105-60-2	Caprolactam	ND	57	9.0	ug/kg	
218-01-9	Chrysene	ND	29	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	57	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	57	8.6	ug/kg	

Method Blank Summary

Job Number: JB69534
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
OP75766-MB1	3E62288.D	1	06/19/14	OYA	06/19/14	OP75766	E3E2669

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	57	8.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	57	8.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	29	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	29	11	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	57	7.3	ug/kg	
123-91-1	1,4-Dioxane	ND	29	19	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	9.7	ug/kg	
132-64-9	Dibenzofuran	ND	57	8.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	57	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	57	14	ug/kg	
84-66-2	Diethyl phthalate	ND	57	9.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	57	10	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	57	25	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	9.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	57	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	7.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	290	29	ug/kg	
67-72-1	Hexachloroethane	ND	140	7.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	9.9	ug/kg	
78-59-1	Isophorone	ND	57	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	57	16	ug/kg	
88-74-4	2-Nitroaniline	ND	140	13	ug/kg	
99-09-2	3-Nitroaniline	ND	140	11	ug/kg	
100-01-6	4-Nitroaniline	ND	140	11	ug/kg	
91-20-3	Naphthalene	ND	29	7.8	ug/kg	
98-95-3	Nitrobenzene	ND	57	8.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	57	7.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	140	17	ug/kg	
85-01-8	Phenanthrene	ND	29	13	ug/kg	
129-00-0	Pyrene	ND	29	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	140	8.8	ug/kg	

Method Blank Summary

Job Number: JB69534
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
OP75766-MB1	3E62288.D	1	06/19/14	OYA	06/19/14	OP75766	E3E2669

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	80%	13-110%
4165-62-2	Phenol-d5	77%	15-110%
118-79-6	2,4,6-Tribromophenol	107%	20-123%
4165-60-0	Nitrobenzene-d5	94%	10-110%
321-60-8	2-Fluorobiphenyl	94%	17-110%
1718-51-0	Terphenyl-d14	98%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.30	280	ug/kg	J
	system artifact	2.41	190	ug/kg	J
	system artifact	3.36	630	ug/kg	J
	system artifact/aldol-condensation	3.58	15000	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JB69534
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
OP75872-MB1	M105621.D	1	06/26/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

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: JB69534
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
OP75872-MB1	M105621.D	1	06/26/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

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	0.71	2.0	0.55	ug/l	J
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: JB69534
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
OP75872-MB1	M105621.D	1	06/26/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	61%	10-110%
4165-62-2	Phenol-d5	41%	10-110%
118-79-6	2,4,6-Tribromophenol	94%	29-139%
4165-60-0	Nitrobenzene-d5	91%	28-131%
321-60-8	2-Fluorobiphenyl	84%	30-121%
1718-51-0	Terphenyl-d14	91%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	4.82	4.4	ug/l	J
	Internal standard added for SIM test	6.74	4.7	ug/l	J
	Internal standard added for SIM test	9.05	4.9	ug/l	J
	Internal standard added for SIM test	13.10	4.8	ug/l	J
	Internal standard added for SIM test	18.45	5.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike Summary

Job Number: JB69534
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
OP75766-BS1	3E62289.D	1	06/19/14	OYA	06/19/14	OP75766	E3E2669

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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	1180	83	44-125
120-83-2	2,4-Dichlorophenol	1430	1180	83	41-120
105-67-9	2,4-Dimethylphenol	1430	1400	98	43-137
51-28-5	2,4-Dinitrophenol	2860	2790	98	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1440	101	37-136
95-48-7	2-Methylphenol	1430	1210	85	40-110
	3&4-Methylphenol	1430	1150	81	39-111
88-75-5	2-Nitrophenol	1430	1290	90	36-117
100-02-7	4-Nitrophenol	1430	1280	90	26-143
87-86-5	Pentachlorophenol	1430	1220	85	21-123
108-95-2	Phenol	1430	1120	78	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1370	96	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1350	95	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1360	95	48-119
83-32-9	Acenaphthene	1430	1350	95	46-110
208-96-8	Acenaphthylene	1430	1110	78	43-103
98-86-2	Acetophenone	1430	1240	87	35-120
120-12-7	Anthracene	1430	1280	90	56-118
1912-24-9	Atrazine	1430	1510	106	57-151
56-55-3	Benzo(a)anthracene	1430	1200	84	56-117
50-32-8	Benzo(a)pyrene	1430	1380	97	56-124
205-99-2	Benzo(b)fluoranthene	1430	1440	101	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1170	82	52-126
207-08-9	Benzo(k)fluoranthene	1430	1360	95	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1320	92	51-121
85-68-7	Butyl benzyl phthalate	1430	1210	85	52-133
92-52-4	1,1'-Biphenyl	1430	1290	90	42-122
100-52-7	Benzaldehyde	1430	1360	95	30-119
91-58-7	2-Chloronaphthalene	1430	1270	89	42-110
106-47-8	4-Chloroaniline	1430	951	67	32-102
86-74-8	Carbazole	1430	1120	78	53-119
105-60-2	Caprolactam	1430	1240	87	35-144
218-01-9	Chrysene	1430	1270	89	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1210	85	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1190	83	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
OP75766-BS1	3E62289.D	1	06/19/14	OYA	06/19/14	OP75766	E3E2669

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1250	88	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1350	95	48-116
121-14-2	2,4-Dinitrotoluene	1430	1300	91	51-126
606-20-2	2,6-Dinitrotoluene	1430	1360	95	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	2180	76	49-115
123-91-1	1,4-Dioxane	1430	700	49	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1190	83	53-126
132-64-9	Dibenzofuran	1430	1270	89	45-114
84-74-2	Di-n-butyl phthalate	1430	1410	99	56-125
117-84-0	Di-n-octyl phthalate	1430	1470	103	49-145
84-66-2	Diethyl phthalate	1430	1380	97	52-118
131-11-3	Dimethyl phthalate	1430	1330	93	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1410	99	52-138
206-44-0	Fluoranthene	1430	1270	89	55-119
86-73-7	Fluorene	1430	1330	93	51-114
118-74-1	Hexachlorobenzene	1430	1250	88	47-122
87-68-3	Hexachlorobutadiene	1430	1360	95	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2290	80	22-126
67-72-1	Hexachloroethane	1430	1310	92	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1190	83	53-128
78-59-1	Isophorone	1430	1150	81	37-117
91-57-6	2-Methylnaphthalene	1430	1160	81	34-114
88-74-4	2-Nitroaniline	1430	1440	101	46-135
99-09-2	3-Nitroaniline	1430	1130	79	44-114
100-01-6	4-Nitroaniline	1430	1180	83	44-128
91-20-3	Naphthalene	1430	1200	84	37-104
98-95-3	Nitrobenzene	1430	1240	87	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1320	92	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1330	93	51-114
85-01-8	Phenanthrene	1430	1220	85	55-113
129-00-0	Pyrene	1430	1200	84	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1310	92	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
OP75766-BS1	3E62289.D	1	06/19/14	OYA	06/19/14	OP75766	E3E2669

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	73%	13-110%
4165-62-2	Phenol-d5	73%	15-110%
118-79-6	2,4,6-Tribromophenol	99%	20-123%
4165-60-0	Nitrobenzene-d5	87%	10-110%
321-60-8	2-Fluorobiphenyl	88%	17-110%
1718-51-0	Terphenyl-d14	80%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
OP75872-BS1	M105622.D	1	06/26/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	41.9	84	42-110
59-50-7	4-Chloro-3-methyl phenol	50	44.1	88	49-120
120-83-2	2,4-Dichlorophenol	50	46.7	93	47-114
105-67-9	2,4-Dimethylphenol	50	42.7	85	48-129
51-28-5	2,4-Dinitrophenol	100	100	100	26-153
534-52-1	4,6-Dinitro-o-cresol	50	47.1	94	44-132
95-48-7	2-Methylphenol	50	43.2	86	39-110
	3&4-Methylphenol	50	40.2	80	36-110
88-75-5	2-Nitrophenol	50	44.8	90	45-110
100-02-7	4-Nitrophenol	50	28.8	58	10-110
87-86-5	Pentachlorophenol	50	39.1	78	32-122
108-95-2	Phenol	50	24.2	48	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	42.6	85	47-119
95-95-4	2,4,5-Trichlorophenol	50	44.6	89	52-119
88-06-2	2,4,6-Trichlorophenol	50	44.9	90	51-118
83-32-9	Acenaphthene	50	42.2	84	46-108
208-96-8	Acenaphthylene	50	35.8	72	44-101
98-86-2	Acetophenone	50	50.8	102	39-125
120-12-7	Anthracene	50	44.7	89	60-117
1912-24-9	Atrazine	50	57.1	114	58-153
100-52-7	Benzaldehyde	50	57.8	116	32-119
56-55-3	Benzo(a)anthracene	50	45.3	91	59-116
50-32-8	Benzo(a)pyrene	50	43.5	87	61-122
205-99-2	Benzo(b)fluoranthene	50	43.6	87	56-129
191-24-2	Benzo(g,h,i)perylene	50	46.4	93	54-126
207-08-9	Benzo(k)fluoranthene	50	41.7	83	53-124
101-55-3	4-Bromophenyl phenyl ether	50	43.0	86	55-120
85-68-7	Butyl benzyl phthalate	50	56.5	113	42-138
92-52-4	1,1'-Biphenyl	50	47.3	95	41-123
91-58-7	2-Chloronaphthalene	50	36.9	74	38-107
106-47-8	4-Chloroaniline	50	27.8	56	38-110
86-74-8	Carbazole	50	47.1	94	55-121
105-60-2	Caprolactam	50	16.6	33	10-113
218-01-9	Chrysene	50	47.2	94	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	47.9	96	48-117
111-44-4	bis(2-Chloroethyl)ether	50	46.8	94	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
OP75872-BS1	M105622.D	1	06/26/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	46.0	92	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	42.0	84	48-117
121-14-2	2,4-Dinitrotoluene	50	48.4	97	53-129
606-20-2	2,6-Dinitrotoluene	50	49.1	98	57-126
91-94-1	3,3'-Dichlorobenzidine	100	46.3	46	41-109
123-91-1	1,4-Dioxane	50	30.4	61	10-110
53-70-3	Dibenzo(a,h)anthracene	50	46.6	93	57-126
132-64-9	Dibenzofuran	50	43.4	87	46-112
84-74-2	Di-n-butyl phthalate	50	49.3	99	54-127
117-84-0	Di-n-octyl phthalate	50	54.2	108	55-142
84-66-2	Diethyl phthalate	50	45.2	90	35-130
131-11-3	Dimethyl phthalate	50	44.9	90	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	58.8	118	58-135
206-44-0	Fluoranthene	50	46.1	92	59-120
86-73-7	Fluorene	50	44.3	89	53-114
118-74-1	Hexachlorobenzene	50	38.8	78	52-120
87-68-3	Hexachlorobutadiene	50	31.5	63	10-111
77-47-4	Hexachlorocyclopentadiene	100	63.5	64	10-116
67-72-1	Hexachloroethane	50	34.9	70	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.7	91	56-127
78-59-1	Isophorone	50	43.3	87	45-119
91-57-6	2-Methylnaphthalene	50	43.3	87	30-112
88-74-4	2-Nitroaniline	50	48.5	97	46-136
99-09-2	3-Nitroaniline	50	33.1	66	46-113
100-01-6	4-Nitroaniline	50	47.1	94	47-129
91-20-3	Naphthalene	50	39.1	78	35-101
98-95-3	Nitrobenzene	50	44.1	88	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	46.6	93	40-118
86-30-6	N-Nitrosodiphenylamine	50	46.4	93	54-112
85-01-8	Phenanthrene	50	43.2	86	58-113
129-00-0	Pyrene	50	52.0	104	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	35.8	72	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
OP75872-BS1	M105622.D	1	06/26/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	63%	10-110%
4165-62-2	Phenol-d5	46%	10-110%
118-79-6	2,4,6-Tribromophenol	93%	29-139%
4165-60-0	Nitrobenzene-d5	92%	28-131%
321-60-8	2-Fluorobiphenyl	84%	30-121%
1718-51-0	Terphenyl-d14	95%	16-147%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69534
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
OP75872-BS13	M105623.D	1	06/27/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	76%	10-110%
4165-62-2	Phenol-d5	62%	10-110%
118-79-6	2,4,6-Tribromophenol	97%	29-139%
4165-60-0	Nitrobenzene-d5	90%	28-131%
321-60-8	2-Fluorobiphenyl	83%	30-121%
1718-51-0	Terphenyl-d14	94%	16-147%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
OP75766-MS	3E62613.D	1	06/28/14	KLS	06/19/14	OP75766	E3E2682
OP75766-MSD	3E62614.D	1	06/28/14	KLS	06/19/14	OP75766	E3E2682
JB69534-1	3E62612.D	1	06/27/14	KLS	06/19/14	OP75766	E3E2682

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	JB69534-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1650	1330	80	1790	1510	84	13	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1650	1240	75	1790	1440	81	15	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1650	1330	80	1790	1550	87	15	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1650	1430	86	1790	1630	91	13	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3310	474	14	3580	581	16	20	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1650	356	22	1790	474	27	28	10-111/55
95-48-7	2-Methylphenol	ND		1650	1310	79	1790	1500	84	14	19-105/42
	3&4-Methylphenol	ND		1650	1270	77	1790	1450	81	13	17-108/43
88-75-5	2-Nitrophenol	ND		1650	1210	73	1790	1410	79	15	11-103/44
100-02-7	4-Nitrophenol	ND		1650	1290	78	1790	1530	86	17	10-141/48
87-86-5	Pentachlorophenol	ND		1650	1210	73	1790	1460	82	19	10-114/47
108-95-2	Phenol	ND		1650	1210	73	1790	1370	77	12	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1650	1240	75	1790	1460	82	16	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1650	1320	80	1790	1600	89	19	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1650	1350	82	1790	1570	88	15	21-117/40
83-32-9	Acenaphthene	16.7	J	1650	1410	84	1790	1600	89	13	25-106/38
208-96-8	Acenaphthylene	ND		1650	1150	69	1790	1300	73	12	21-110/39
98-86-2	Acetophenone	ND		1650	1400	85	1790	1560	87	11	13-117/43
120-12-7	Anthracene	18.5	J	1650	1400	83	1790	1560	86	11	27-123/40
1912-24-9	Atrazine	ND		1650	1760	106	1790	2070	116	16	31-147/39
56-55-3	Benzo(a)anthracene	66.1		1650	1440	83	1790	1610	86	11	22-127/44
50-32-8	Benzo(a)pyrene	68.5		1650	1360	78	1790	1550	83	13	22-132/42
205-99-2	Benzo(b)fluoranthene	76.3		1650	1380	79	1790	1550	82	12	17-141/45
191-24-2	Benzo(g,h,i)perylene	45.3		1650	1390	81	1790	1590	86	13	23-129/42
207-08-9	Benzo(k)fluoranthene	28.5	J	1650	1300	77	1790	1440	79	10	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1650	1430	86	1790	1640	92	14	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1650	1540	93	1790	1750	98	13	26-134/40
92-52-4	1,1'-Biphenyl	ND		1650	1490	90	1790	1680	94	12	22-114/41
100-52-7	Benzaldehyde	ND		1650	1520	92	1790	1700	95	11	10-115/42
91-58-7	2-Chloronaphthalene	ND		1650	1320	80	1790	1490	83	12	24-101/40
106-47-8	4-Chloroaniline	ND		1650	435	26	1790	566	32	26	15-110/44
86-74-8	Carbazole	ND		1650	1350	82	1790	1560	87	14	27-123/38
105-60-2	Caprolactam	ND		1650	1290	78	1790	1470	82	13	10-141/42
218-01-9	Chrysene	75.1		1650	1490	86	1790	1670	89	11	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1650	1420	86	1790	1610	90	13	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1650	1380	83	1790	1560	87	12	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
OP75766-MS	3E62613.D	1	06/28/14	KLS	06/19/14	OP75766	E3E2682
OP75766-MSD	3E62614.D	1	06/28/14	KLS	06/19/14	OP75766	E3E2682
JB69534-1	3E62612.D	1	06/27/14	KLS	06/19/14	OP75766	E3E2682

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Compound	JB69534-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		1650	1340	81	1790	1500	84	11	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1650	1360	82	1790	1540	86	12	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1650	1170	71	1790	1360	76	15	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1650	1240	75	1790	1400	78	12	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3310	2160	65	3580	2530	71	16	10-121/45
123-91-1	1,4-Dioxane	ND		1650	932	56	1790	1090	61	16	10-110/48
53-70-3	Dibenzo(a,h)anthracene	ND		1650	1330	80	1790	1560	87	16	26-129/42
132-64-9	Dibenzofuran	ND		1650	1330	80	1790	1540	86	15	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1650	1460	88	1790	1680	94	14	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1650	1410	85	1790	1650	92	16	25-140/43
84-66-2	Diethyl phthalate	ND		1650	1350	82	1790	1550	87	14	32-115/37
131-11-3	Dimethyl phthalate	ND		1650	1390	84	1790	1560	87	12	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1650	1480	89	1790	1710	96	14	26-140/43
206-44-0	Fluoranthene	131		1650	1520	84	1790	1650	85	8	16-134/44
86-73-7	Fluorene	ND		1650	1350	82	1790	1550	87	14	24-116/39
118-74-1	Hexachlorobenzene	ND		1650	1300	79	1790	1480	83	13	24-118/41
87-68-3	Hexachlorobutadiene	ND		1650	1290	78	1790	1480	83	14	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3310	1000	30	3580	1070	30	7	10-110/52
67-72-1	Hexachloroethane	ND		1650	1120	68	1790	1260	70	12	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	35.9	J	1650	1350	79	1790	1530	84	13	23-132/43
78-59-1	Isophorone	ND		1650	1250	76	1790	1420	79	13	22-105/41
91-57-6	2-Methylnaphthalene	ND		1650	1300	79	1790	1490	83	14	16-108/40
88-74-4	2-Nitroaniline	ND		1650	1260	76	1790	1440	81	13	23-130/39
99-09-2	3-Nitroaniline	ND		1650	853	52	1790	981	55	14	19-116/40
100-01-6	4-Nitroaniline	ND		1650	1120	68	1790	1340	75	18	18-124/42
91-20-3	Naphthalene	ND		1650	1340	81	1790	1530	86	13	13-103/41
98-95-3	Nitrobenzene	ND		1650	1280	77	1790	1440	81	12	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1650	1290	78	1790	1430	80	10	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1650	1470	89	1790	1680	94	13	26-119/38
85-01-8	Phenanthrene	74.6		1650	1440	83	1790	1570	84	9	19-126/42
129-00-0	Pyrene	128		1650	1620	90	1790	1730	90	7	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1650	1430	86	1790	1620	91	12	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
OP75766-MS	3E62613.D	1	06/28/14	KLS	06/19/14	OP75766	E3E2682
OP75766-MSD	3E62614.D	1	06/28/14	KLS	06/19/14	OP75766	E3E2682
JB69534-1	3E62612.D	1	06/27/14	KLS	06/19/14	OP75766	E3E2682

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

CAS No.	Surrogate Recoveries	MS	MSD	JB69534-1	Limits
367-12-4	2-Fluorophenol	74%	77%	73%	13-110%
4165-62-2	Phenol-d5	70%	73%	67%	15-110%
118-79-6	2,4,6-Tribromophenol	79%	87%	77%	20-123%
4165-60-0	Nitrobenzene-d5	74%	78%	75%	10-110%
321-60-8	2-Fluorobiphenyl	78%	82%	79%	17-110%
1718-51-0	Terphenyl-d14	82%	88%	88%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
OP75872-MS	M105703.D	1	06/28/14	ALS	06/23/14	OP75872	EM4327
OP75872-MSD	M105639.D	1	06/27/14	AD	06/23/14	OP75872	EM4324
JB69524-1	M105640.D	1	06/27/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Compound	JB69524-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		100	77.6	78	100	83.5	84	7	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		100	82.5	83	100	88.9	89	7	40-130/28
120-83-2	2,4-Dichlorophenol	ND		100	86.0	86	100	92.5	93	7	27-128/34
105-67-9	2,4-Dimethylphenol	ND		100	73.0	73	100	80.2	80	9	32-145/31
51-28-5	2,4-Dinitrophenol	ND		200	213	107	200	232	116	9	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		100	95.5	96	100	105	105	9	10-147/42
95-48-7	2-Methylphenol	ND		100	80.3	80	100	89.6	90	11	29-111/29
	3&4-Methylphenol	ND		100	80.2	80	100	87.1	87	8	26-114/29
88-75-5	2-Nitrophenol	ND		100	85.4	85	100	89.9	90	5	27-121/35
100-02-7	4-Nitrophenol	ND		100	73.2	73	100	79.7	80	9	10-135/37
87-86-5	Pentachlorophenol	ND		100	78.8	79	100	97.2	97	21	21-133/35
108-95-2	Phenol	ND		100	62.6	63	100	66.5	67	6	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		100	83.5	84	100	89.8	90	7	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		100	85.4	85	100	90.0	90	5	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		100	84.1	84	100	90.8	91	8	31-130/34
83-32-9	Acenaphthene	ND		100	79.8	80	100	85.1	85	6	41-112/29
208-96-8	Acenaphthylene	ND		100	66.7	67	100	71.7	72	7	42-101/29
98-86-2	Acetophenone	ND		100	89.0	89	100	98.2	98	10	24-142/31
120-12-7	Anthracene	ND		100	83.6	84	100	91.1	91	9	52-122/26
1912-24-9	Atrazine	ND		100	108	108	100	113	113	5	42-160/26
100-52-7	Benzaldehyde	ND		100	104	104	100	116	116	11	17-130/33
56-55-3	Benzo(a)anthracene	ND		100	86.0	86	100	90.5	91	5	50-122/26
50-32-8	Benzo(a)pyrene	ND		100	80.2	80	100	87.4	87	9	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		100	81.9	82	100	89.7	90	9	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		100	77.7	78	100	84.3	84	8	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		100	78.8	79	100	87.1	87	10	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		100	82.3	82	100	85.9	86	4	51-122/26
85-68-7	Butyl benzyl phthalate	ND		100	104	104	100	109	109	5	37-145/29
92-52-4	1,1'-Biphenyl	ND		100	85.6	86	100	92.4	92	8	40-122/30
91-58-7	2-Chloronaphthalene	ND		100	71.0	71	100	75.1	75	6	36-108/30
106-47-8	4-Chloroaniline	ND		100	46.2	46	100	44.5	45	4	24-110/32
86-74-8	Carbazole	ND		100	86.6	87	100	94.5	95	9	47-128/25
105-60-2	Caprolactam	ND		100	51.6	52	100	52.5	53	2	10-110/44
218-01-9	Chrysene	ND		100	89.7	90	100	93.7	94	4	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		100	88.9	89	100	95.1	95	7	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		100	86.9	87	100	93.6	94	7	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
OP75872-MS	M105703.D	1	06/28/14	ALS	06/23/14	OP75872	EM4327
OP75872-MSD	M105639.D	1	06/27/14	AD	06/23/14	OP75872	EM4324
JB69524-1	M105640.D	1	06/27/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Compound	JB69524-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	81.6	82	100	89.6	90	9	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	82.5	83	100	87.2	87	6	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		100	89.9	90	100	96.5	97	7	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		100	91.9	92	100	97.8	98	6	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		200	95.4	48	200	105	53	10	14-119/33
123-91-1	1,4-Dioxane	ND		100	67.7	68	100	69.8	70	3	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		100	79.3	79	100	84.0	84	6	49-130/28
132-64-9	Dibenzofuran	ND		100	81.5	82	100	87.2	87	7	44-114/28
84-74-2	Di-n-butyl phthalate	ND		100	92.8	93	100	101	101	8	47-131/27
117-84-0	Di-n-octyl phthalate	ND		100	99.5	100	100	111	111	11	47-148/29
84-66-2	Diethyl phthalate	ND		100	115	115	100	91.4	91	23	32-131/29
131-11-3	Dimethyl phthalate	ND		100	85.8	86	100	91.2	91	6	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	1.7	JB	100	108	106	100	114	112	5	48-144/27
206-44-0	Fluoranthene	ND		100	86.2	86	100	95.1	95	10	51-123/27
86-73-7	Fluorene	ND		100	84.6	85	100	89.3	89	5	50-116/26
118-74-1	Hexachlorobenzene	ND		100	73.0	73	100	79.2	79	8	45-123/26
87-68-3	Hexachlorobutadiene	ND		100	62.4	62	100	61.4	61	2	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		200	132	66	200	145	73	9	10-113/37
67-72-1	Hexachloroethane	ND		100	68.5	69	100	70.2	70	2	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	76.1	76	100	82.5	83	8	48-131/27
78-59-1	Isophorone	ND		100	79.8	80	100	85.1	85	6	42-119/30
91-57-6	2-Methylnaphthalene	ND		100	78.7	79	100	84.3	84	7	22-120/32
88-74-4	2-Nitroaniline	ND		100	89.8	90	100	98.1	98	9	43-138/29
99-09-2	3-Nitroaniline	ND		100	62.7	63	100	69.3	69	10	34-116/26
100-01-6	4-Nitroaniline	ND		100	85.4	85	100	92.0	92	7	36-131/28
91-20-3	Naphthalene	ND		100	70.0	70	100	75.9	76	8	25-108/32
98-95-3	Nitrobenzene	ND		100	80.2	80	100	86.5	87	8	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		100	82.9	83	100	92.1	92	11	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		100	74.8	75	100	81.9	82	9	46-120/26
85-01-8	Phenanthrene	ND		100	82.2	82	100	89.4	89	8	51-117/25
129-00-0	Pyrene	ND		100	92.6	93	100	96.5	97	4	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		100	69.4	69	100	74.0	74	6	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69534
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
OP75872-MS	M105703.D	1	06/28/14	ALS	06/23/14	OP75872	EM4327
OP75872-MSD	M105639.D	1	06/27/14	AD	06/23/14	OP75872	EM4324
JB69524-1	M105640.D	1	06/27/14	AD	06/23/14	OP75872	EM4324

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69534-6

CAS No.	Surrogate Recoveries	MS	MSD	JB69524-1	Limits
367-12-4	2-Fluorophenol	74%	77%	43%	10-110%
4165-62-2	Phenol-d5	62%	65%	31%	10-110%
118-79-6	2,4,6-Tribromophenol	87%	92%	81%	29-139%
4165-60-0	Nitrobenzene-d5	82%	90%	73%	28-131%
321-60-8	2-Fluorobiphenyl	78%	84%	68%	30-121%
1718-51-0	Terphenyl-d14	76%	78%	76%	16-147%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2646-DFTPP	**Injection Date:**	06/04/14
Lab File ID:	3E61393.D	**Injection Time:**	17:31
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	32000	33.8		Pass
68	Less than 2.0% of mass 69	462	0.49	(1.34) [a]	Pass
69	Mass 69 relative abundance	34486	36.4		Pass
70	Less than 2.0% of mass 69	149	0.16	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	49442	52.2		Pass
197	Less than 1.0% of mass 198	195	0.21		Pass
198	Base peak, 100% relative abundance	94664	100.0		Pass
199	5.0 - 9.0% of mass 198	6346	6.70		Pass
275	10.0 - 30.0% of mass 198	22082	23.3		Pass
365	1.0 - 100.0% of mass 198	2233	2.36		Pass
441	Present, but less than mass 443	8455	8.93	(77.2) [b]	Pass
442	40.0 - 100.0% of mass 198	58176	61.5		Pass
443	17.0 - 23.0% of mass 442	10948	11.6	(18.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2646-IC2646	3E61394.D	06/04/14	17:45	00:14	Initial cal 100
E3E2646-IC2646	3E61395.D	06/04/14	18:13	00:42	Initial cal 80
E3E2646-ICC2646	3E61396.D	06/04/14	18:41	01:10	Initial cal 50
E3E2646-IC2646	3E61397.D	06/04/14	19:09	01:38	Initial cal 25
E3E2646-IC2646	3E61398.D	06/04/14	19:37	02:06	Initial cal 10
E3E2646-IC2646	3E61399.D	06/04/14	20:05	02:34	Initial cal 5
E3E2646-IC2646	3E61400.D	06/04/14	20:33	03:02	Initial cal 2
E3E2646-IC2646	3E61401.D	06/04/14	21:01	03:30	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2647-DFTPP	**Injection Date:**	06/04/14
Lab File ID:	3E61402.D	**Injection Time:**	21:24
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	34890	39.1		Pass
68	Less than 2.0% of mass 69	573	0.64	(1.58) [a]	Pass
69	Mass 69 relative abundance	36282	40.6		Pass
70	Less than 2.0% of mass 69	169	0.19	(0.47) [a]	Pass
127	40.0 - 60.0% of mass 198	50290	56.3		Pass
197	Less than 1.0% of mass 198	210	0.24		Pass
198	Base peak, 100% relative abundance	89256	100.0		Pass
199	5.0 - 9.0% of mass 198	6029	6.75		Pass
275	10.0 - 30.0% of mass 198	19782	22.2		Pass
365	1.0 - 100.0% of mass 198	1874	2.10		Pass
441	Present, but less than mass 443	6767	7.58	(77.5) [b]	Pass
442	40.0 - 100.0% of mass 198	46063	51.6		Pass
443	17.0 - 23.0% of mass 442	8730	9.78	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2647-IC2647	3E61403.D	06/04/14	21:51	00:27	Initial cal 100
E3E2647-IC2647	3E61404.D	06/04/14	22:18	00:54	Initial cal 80
E3E2647-ICC2647	3E61405.D	06/04/14	22:46	01:22	Initial cal 50
E3E2647-IC2647	3E61406.D	06/04/14	23:14	01:50	Initial cal 25
E3E2647-IC2647	3E61407.D	06/04/14	23:41	02:17	Initial cal 10
E3E2647-IC2647	3E61408.D	06/05/14	00:09	02:45	Initial cal 5
E3E2647-IC2647	3E61409.D	06/05/14	00:37	03:13	Initial cal 2
E3E2647-IC2647	3E61410.D	06/05/14	01:04	03:40	Initial cal 1
E3E2647-ICV2646	3E61412.D	06/05/14	01:59	04:35	Initial cal verification 50
E3E2647-ICV2646	3E61414.D	06/05/14	02:54	05:30	Initial cal verification 50
E3E2647-ICV2646	3E61415.D	06/05/14	03:22	05:58	Initial cal verification 50
E3E2647-ICV2646	3E61416.D	06/05/14	03:49	06:25	Initial cal verification 50
E3E2647-ICV2647	3E61416A.D	06/05/14	03:49	06:25	Initial cal verification 50
E3E2647-ICV2647	3E61417.D	06/05/14	04:16	06:52	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2648-DFTPP	**Injection Date:**	06/05/14
Lab File ID:	3E61420.D	**Injection Time:**	12:24
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	40405	36.0		Pass
68	Less than 2.0% of mass 69	583	0.52	(1.37) [a]	Pass
69	Mass 69 relative abundance	42426	37.8		Pass
70	Less than 2.0% of mass 69	395	0.35	(0.93) [a]	Pass
127	40.0 - 60.0% of mass 198	60445	53.8		Pass
197	Less than 1.0% of mass 198	543	0.48		Pass
198	Base peak, 100% relative abundance	112290	100.0		Pass
199	5.0 - 9.0% of mass 198	7568	6.74		Pass
275	10.0 - 30.0% of mass 198	25430	22.6		Pass
365	1.0 - 100.0% of mass 198	2418	2.15		Pass
441	Present, but less than mass 443	9330	8.31	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	63104	56.2		Pass
443	17.0 - 23.0% of mass 442	12107	10.8	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2648-ICV2646	3E61421.D	06/05/14	12:37	00:13	Initial cal verification 50
E3E2648-ICV2647	3E61422A.D	06/05/14	13:05	00:41	Initial cal verification 50
E3E2648-ICV2646	3E61422.D	06/05/14	13:05	00:41	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2669-DFTPP	**Injection Date:**	06/19/14
Lab File ID:	3E62284.D	**Injection Time:**	11:26
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	54369	44.3		Pass
68	Less than 2.0% of mass 69	808	0.66	(1.46) [a]	Pass
69	Mass 69 relative abundance	55228	45.0		Pass
70	Less than 2.0% of mass 69	294	0.24	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	73552	60.0		Pass
197	Less than 1.0% of mass 198	440	0.36		Pass
198	Base peak, 100% relative abundance	122666	100.0		Pass
199	5.0 - 9.0% of mass 198	8663	7.06		Pass
275	10.0 - 30.0% of mass 198	31171	25.4		Pass
365	1.0 - 100.0% of mass 198	4312	3.52		Pass
441	Present, but less than mass 443	8418	6.86	(80.7) [b]	Pass
442	40.0 - 100.0% of mass 198	54845	44.7		Pass
443	17.0 - 23.0% of mass 442	10432	8.50	(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
E3E2669-CC2646	3E62285.D	06/19/14	11:47	00:21	Continuing cal 25
E3E2669-CC2647	3E62286.D	06/19/14	12:14	00:48	Continuing cal 25
OP75766-MB1	3E62288.D	06/19/14	13:26	02:00	Method Blank
OP75766-BS1	3E62289.D	06/19/14	13:54	02:28	Blank Spike
OP75676-MB1	3E62290.D	06/19/14	14:21	02:55	Method Blank
OP75676-BS1	3E62291.D	06/19/14	14:48	03:22	Blank Spike
ZZZZZZ	3E62295.D	06/19/14	17:30	06:04	(unrelated sample)
ZZZZZZ	3E62310.D	06/19/14	17:57	06:31	(unrelated sample)
ZZZZZZ	3E62297.D	06/19/14	18:51	07:25	(unrelated sample)
ZZZZZZ	3E62298.D	06/19/14	19:18	07:52	(unrelated sample)
OP75676-MS	3E62303.D	06/19/14	21:32	10:06	Matrix Spike
OP75676-MSD	3E62304.D	06/19/14	21:59	10:33	Matrix Spike Duplicate
JB69131-1	3E62305.D	06/19/14	22:26	11:00	(used for QC only; not part of job JB69534)
JB69061-1	3E62306.D	06/19/14	22:53	11:27	(used for QC only; not part of job JB69534)
OP75684-MSD	3E62307.D	06/19/14	23:19	11:53	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2680-DFTPP	**Injection Date:**	06/26/14
Lab File ID:	3E62571.D	**Injection Time:**	19:46
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	46152	33.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	58366	42.3		Pass
70	Less than 2.0% of mass 69	451	0.33	(0.77) [a]	Pass
127	40.0 - 60.0% of mass 198	77938	56.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	138122	100.0		Pass
199	5.0 - 9.0% of mass 198	9547	6.91		Pass
275	10.0 - 30.0% of mass 198	33120	24.0		Pass
365	1.0 - 100.0% of mass 198	3637	2.63		Pass
441	Present, but less than mass 443	6637	4.81	(49.6) [b]	Pass
442	40.0 - 100.0% of mass 198	73778	53.4		Pass
443	17.0 - 23.0% of mass 442	13390	9.69	(18.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2680-IC2680	3E62572.D	06/26/14	20:07	00:21	Initial cal 1
E3E2680-IC2680	3E62573.D	06/26/14	20:33	00:47	Initial cal 2
E3E2680-IC2680	3E62574.D	06/26/14	21:01	01:15	Initial cal 5
E3E2680-IC2680	3E62575.D	06/26/14	21:28	01:42	Initial cal 10
E3E2680-IC2680	3E62576.D	06/26/14	21:55	02:09	Initial cal 80
E3E2680-IC2680	3E62577.D	06/26/14	22:22	02:36	Initial cal 100
E3E2680-ICC2680	3E62578.D	06/26/14	22:49	03:03	Initial cal 50
E3E2680-IC2680	3E62579.D	06/26/14	23:16	03:30	Initial cal 25

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2681-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	3E62581.D	**Injection Time:**	09:18
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	50651	37.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	62183	45.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	79645	58.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	136781	100.0		Pass
199	5.0 - 9.0% of mass 198	9861	7.21		Pass
275	10.0 - 30.0% of mass 198	32766	24.0		Pass
365	1.0 - 100.0% of mass 198	3719	2.72		Pass
441	Present, but less than mass 443	7442	5.44	(57.7) [b]	Pass
442	40.0 - 100.0% of mass 198	66555	48.7		Pass
443	17.0 - 23.0% of mass 442	12887	9.42	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2681-ICV2680	3E62582.D	06/27/14	09:29	00:11	Initial cal verification 50
E3E2681-ICV2680	3E62584.D	06/27/14	10:23	01:05	Initial cal verification 50
E3E2681-ICV2680	3E62585.D	06/27/14	10:50	01:32	Initial cal verification 50
E3E2681-ICV2680	3E62586.D	06/27/14	11:16	01:58	Initial cal verification 50
E3E2681-ICV2680	3E62587.D	06/27/14	11:43	02:25	Initial cal verification 50
E3E2681-ICV2680	3E62588.D	06/27/14	12:13	02:55	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2682-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	3E62590.D	**Injection Time:**	13:20
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	47952	36.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	60492	46.4		Pass
70	Less than 2.0% of mass 69	325	0.25	(0.54) [a]	Pass
127	40.0 - 60.0% of mass 198	74765	57.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	130362	100.0		Pass
199	5.0 - 9.0% of mass 198	8346	6.40		Pass
275	10.0 - 30.0% of mass 198	29803	22.9		Pass
365	1.0 - 100.0% of mass 198	3503	2.69		Pass
441	Present, but less than mass 443	464	0.36	(4.43) [b]	Pass
442	40.0 - 100.0% of mass 198	60087	46.1		Pass
443	17.0 - 23.0% of mass 442	10471	8.03	(17.4) [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
E3E2682-CC2680	3E62591.D	06/27/14	13:40	00:20	Continuing cal 50
E3E2682-CC2647	3E62592.D	06/27/14	14:08	00:48	Continuing cal 50
OP75858-BS1	3E62593.D	06/27/14	14:37	01:17	Blank Spike
ZZZZZZ	3E62594.D	06/27/14	15:04	01:44	(unrelated sample)
OP75918-MB1	3E62596.D	06/27/14	15:31	02:11	Method Blank
OP75918-BS1	3E62597.D	06/27/14	15:58	02:38	Blank Spike
OP75859-BS1	3E62598.D	06/27/14	16:25	03:05	Blank Spike
ZZZZZZ	3E62615.D	06/27/14	16:52	03:32	(unrelated sample)
ZZZZZZ	3E62595.D	06/27/14	17:19	03:59	(unrelated sample)
JB69061-1	3E62599.D	06/27/14	17:46	04:26	(used for QC only; not part of job JB69534)
ZZZZZZ	3E62601.D	06/27/14	18:40	05:20	(unrelated sample)
ZZZZZZ	3E62602.D	06/27/14	19:07	05:47	(unrelated sample)
OP75798-MSD	3E62603.D	06/27/14	19:34	06:14	Matrix Spike Duplicate
ZZZZZZ	3E62604.D	06/27/14	20:00	06:40	(unrelated sample)
ZZZZZZ	3E62605.D	06/27/14	20:27	07:07	(unrelated sample)
ZZZZZZ	3E62606.D	06/27/14	20:54	07:34	(unrelated sample)
ZZZZZZ	3E62608.D	06/27/14	21:47	08:27	(unrelated sample)
ZZZZZZ	3E62609.D	06/27/14	22:14	08:54	(unrelated sample)
ZZZZZZ	3E62610.D	06/27/14	22:41	09:21	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2682-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	3E62590.D	**Injection Time:**	13:20
Instrument ID:	GCMS3E		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3E62611.D	06/27/14	23:08	09:48	(unrelated sample)
JB69534-1	3E62612.D	06/27/14	23:34	10:14	363-PE-99
OP75766-MS	3E62613.D	06/28/14	00:01	10:41	Matrix Spike
OP75766-MSD	3E62614.D	06/28/14	00:28	11:08	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2683-DFTPP	**Injection Date:**	06/28/14
Lab File ID:	3E62616.D	**Injection Time:**	13:53
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	56785	33.2		Pass
68	Less than 2.0% of mass 69	1052	0.61	(1.49) [a]	Pass
69	Mass 69 relative abundance	70700	41.3		Pass
70	Less than 2.0% of mass 69	373	0.22	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	99610	58.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	171093	100.0		Pass
199	5.0 - 9.0% of mass 198	11390	6.66		Pass
275	10.0 - 30.0% of mass 198	42269	24.7		Pass
365	1.0 - 100.0% of mass 198	5129	3.00		Pass
441	Present, but less than mass 443	15126	8.84	(82.7) [b]	Pass
442	40.0 - 100.0% of mass 198	98184	57.4		Pass
443	17.0 - 23.0% of mass 442	18298	10.7	(18.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2683-CC2680	3E62617.D	06/28/14	14:05	00:12	Continuing cal 25
E3E2683-CC2647	3E62618.D	06/28/14	14:31	00:38	Continuing cal 25
ZZZZZZ	3E62622.D	06/28/14	16:18	02:25	(unrelated sample)
ZZZZZZ	3E62623.D	06/28/14	16:45	02:52	(unrelated sample)
ZZZZZZ	3E62624.D	06/28/14	17:12	03:19	(unrelated sample)
ZZZZZZ	3E62625.D	06/28/14	17:39	03:46	(unrelated sample)
ZZZZZZ	3E62626.D	06/28/14	18:05	04:12	(unrelated sample)
JB69534-2	3E62627.D	06/28/14	18:32	04:39	364-PE-98
JB69534-3	3E62628.D	06/28/14	18:59	05:06	365-PE-95
JB69534-4	3E62629.D	06/28/14	19:26	05:33	366-PE-96
JB69534-5	3E62630.D	06/28/14	19:53	06:00	367-PE-97
JB69534-8	3E62631.D	06/28/14	20:19	06:26	370-PE-108
JB69534-9	3E62632.D	06/28/14	20:46	06:53	371-PE-109
JB69534-10	3E62633.D	06/28/14	21:13	07:20	372-PE-110
ZZZZZZ	3E62634.D	06/28/14	21:40	07:47	(unrelated sample)
ZZZZZZ	3E62635.D	06/28/14	22:06	08:13	(unrelated sample)
ZZZZZZ	3E62636.D	06/28/14	22:33	08:40	(unrelated sample)
ZZZZZZ	3E62637.D	06/28/14	23:00	09:07	(unrelated sample)
ZZZZZZ	3E62638.D	06/28/14	23:26	09:33	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4300-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	M105035.D	**Injection Time:**	09:52
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13811	33.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	18716	45.8		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	20549	50.3		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40824	100.0		Pass
199	5.0 - 9.0% of mass 198	3002	7.35		Pass
275	10.0 - 30.0% of mass 198	10521	25.8		Pass
365	1.0 - 100.0% of mass 198	1331	3.26		Pass
441	Present, but less than mass 443	5152	12.6	(79.5) [b]	Pass
442	40.0 - 100.0% of mass 198	34101	83.5		Pass
443	17.0 - 23.0% of mass 442	6479	15.9	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4300-IC4300	M105036.D	06/12/14	10:09	00:17	Initial cal 100
EM4300-IC4300	M105037.D	06/12/14	11:07	01:15	Initial cal 1
EM4300-IC4300	M105038.D	06/12/14	11:42	01:50	Initial cal 80
EM4300-ICC4300	M105039.D	06/12/14	12:11	02:19	Initial cal 50
EM4300-IC4300	M105040.D	06/12/14	12:40	02:48	Initial cal 25
EM4300-IC4300	M105041.D	06/12/14	13:10	03:18	Initial cal 10
EM4300-IC4300	M105042.D	06/12/14	13:40	03:48	Initial cal 5
EM4300-IC4300	M105043.D	06/12/14	14:10	04:18	Initial cal 2

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4301-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	M105045.D	**Injection Time:**	14:35
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11315	37.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	15288	51.2		Pass
70	Less than 2.0% of mass 69	78	0.26	(0.51) [a]	Pass
127	40.0 - 60.0% of mass 198	15691	52.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	29848	100.0		Pass
199	5.0 - 9.0% of mass 198	2069	6.93		Pass
275	10.0 - 30.0% of mass 198	7401	24.8		Pass
365	1.0 - 100.0% of mass 198	852	2.85		Pass
441	Present, but less than mass 443	3697	12.4	(79.1) [b]	Pass
442	40.0 - 100.0% of mass 198	23090	77.4		Pass
443	17.0 - 23.0% of mass 442	4672	15.7	(20.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4301-IC4301	M105046.D	06/12/14	14:49	00:14	Initial cal 100
EM4301-IC4301	M105047.D	06/12/14	15:19	00:44	Initial cal 80
EM4301-ICC4301	M105048.D	06/12/14	15:49	01:14	Initial cal 50
EM4301-IC4301	M105049.D	06/12/14	16:18	01:43	Initial cal 25
EM4301-IC4301	M105050.D	06/12/14	16:48	02:13	Initial cal 10
EM4301-IC4301	M105051.D	06/12/14	17:17	02:42	Initial cal 5
EM4301-IC4301	M105052.D	06/12/14	17:47	03:12	Initial cal 2
EM4301-IC4301	M105053.D	06/12/14	18:16	03:41	Initial cal 1
EM4301-ICV4300	M105054.D	06/12/14	18:45	04:10	Initial cal verification 50
EM4301-ICV4301	M105054A.D	06/12/14	18:45	04:10	Initial cal verification 50
EM4301-ICV4300	M105055.D	06/12/14	19:15	04:40	Initial cal verification 50
EM4301-ICV4301	M105055A.D	06/12/14	19:15	04:40	Initial cal verification 50
EM4301-ICV4300	M105056.D	06/12/14	19:44	05:09	Initial cal verification 50
EM4301-ICV4300	M105057.D	06/12/14	20:14	05:39	Initial cal verification 50
EM4301-ICV4301	M105059A.D	06/12/14	21:12	06:37	Initial cal verification 50
EM4301-ICV4300	M105059.D	06/12/14	21:12	06:37	Initial cal verification 50
EM4301-ICV4301	M105060.D	06/12/14	21:42	07:07	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4302-DFTPP
Lab File ID: M105063.D
Instrument ID: GCMSM
Injection Date: 06/13/14
Injection Time: 09:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	18660	35.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	24667	46.8		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	28253	53.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	52752	100.0		Pass
199	5.0 - 9.0% of mass 198	3640	6.90		Pass
275	10.0 - 30.0% of mass 198	12891	24.4		Pass
365	1.0 - 100.0% of mass 198	1571	2.98		Pass
441	Present, but less than mass 443	6430	12.2	(79.1) [b]	Pass
442	40.0 - 100.0% of mass 198	43745	82.9		Pass
443	17.0 - 23.0% of mass 442	8125	15.4	(18.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4302-ICV4300	M105064.D	06/13/14	09:54	00:15	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4324-DFTPP	**Injection Date:**	06/26/14
Lab File ID:	M105618.D	**Injection Time:**	21:57
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	8324	34.2		Pass
68	Less than 2.0% of mass 69	74	0.30	(0.65) [a]	Pass
69	Mass 69 relative abundance	11335	46.6		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	12223	50.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	24344	100.0		Pass
199	5.0 - 9.0% of mass 198	1834	7.53		Pass
275	10.0 - 30.0% of mass 198	4910	20.2		Pass
365	1.0 - 100.0% of mass 198	613	2.52		Pass
441	Present, but less than mass 443	2553	10.5	(80.5) [b]	Pass
442	40.0 - 100.0% of mass 198	17176	70.6		Pass
443	17.0 - 23.0% of mass 442	3172	13.0	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4324-CC4300	M105619.D	06/26/14	22:10	00:13	Continuing cal 25
EM4324-CC4301	M105620.D	06/26/14	22:39	00:42	Continuing cal 25
OP75872-MB1	M105621.D	06/26/14	23:20	01:23	Method Blank
OP75872-BS1	M105622.D	06/26/14	23:49	01:52	Blank Spike
OP75872-BS13	M105623.D	06/27/14	00:18	02:21	Blank Spike
OP75888-BS1	M105625.D	06/27/14	01:16	03:19	Blank Spike
OP75888-BS13	M105626.D	06/27/14	01:46	03:49	Blank Spike
OP75888-MS	M105627.D	06/27/14	02:15	04:18	Matrix Spike
OP75888-MSD	M105628.D	06/27/14	02:44	04:47	Matrix Spike Duplicate
JB69922-1	M105629.D	06/27/14	03:12	05:15	(used for QC only; not part of job JB69534)
ZZZZZZ	M105630.D	06/27/14	03:41	05:44	(unrelated sample)
ZZZZZZ	M105631.D	06/27/14	04:10	06:13	(unrelated sample)
ZZZZZZ	M105632.D	06/27/14	04:39	06:42	(unrelated sample)
ZZZZZZ	M105633.D	06/27/14	05:08	07:11	(unrelated sample)
ZZZZZZ	M105634.D	06/27/14	05:36	07:39	(unrelated sample)
ZZZZZZ	M105635.D	06/27/14	06:05	08:08	(unrelated sample)
ZZZZZZ	M105636.D	06/27/14	06:34	08:37	(unrelated sample)
ZZZZZZ	M105637.D	06/27/14	07:03	09:06	(unrelated sample)
OP75872-MSD	M105639.D	06/27/14	08:01	10:04	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4324-DFTPP	**Injection Date:**	06/26/14
Lab File ID:	M105618.D	**Injection Time:**	21:57
Instrument ID:	GCMSM		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JB69524-1	M105640.D	06/27/14	08:29	10:32	(used for QC only; not part of job JB69534)
ZZZZZZ	M105641.D	06/27/14	08:59	11:02	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4326-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	M105670.D	**Injection Time:**	15:32
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	8258	30.5		Pass
68	Less than 2.0% of mass 69	112	0.41	(0.96) [a]	Pass
69	Mass 69 relative abundance	11722	43.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	13031	48.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	27106	100.0		Pass
199	5.0 - 9.0% of mass 198	1663	6.14		Pass
275	10.0 - 30.0% of mass 198	5697	21.0		Pass
365	1.0 - 100.0% of mass 198	694	2.56		Pass
441	Present, but less than mass 443	3163	11.7	(75.8) [b]	Pass
442	40.0 - 100.0% of mass 198	20672	76.3		Pass
443	17.0 - 23.0% of mass 442	4173	15.4	(20.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4326-CC4300	M105671.D	06/27/14	15:45	00:13	Continuing cal 50
EM4326-CC4301	M105672.D	06/27/14	16:14	00:42	Continuing cal 50
OP75861-MB1	M105673.D	06/27/14	16:43	01:11	Method Blank
OP75861-BS1	M105674.D	06/27/14	17:12	01:40	Blank Spike
OP75888-MB1	M105675.D	06/27/14	17:41	02:09	Method Blank
ZZZZZZ	M105676.D	06/27/14	18:10	02:38	(unrelated sample)
ZZZZZZ	M105677.D	06/27/14	18:39	03:07	(unrelated sample)
ZZZZZZ	M105678.D	06/27/14	19:08	03:36	(unrelated sample)
ZZZZZZ	M105679.D	06/27/14	19:37	04:05	(unrelated sample)
ZZZZZZ	M105680.D	06/27/14	20:06	04:34	(unrelated sample)
ZZZZZZ	M105681.D	06/27/14	20:35	05:03	(unrelated sample)
ZZZZZZ	M105682.D	06/27/14	21:04	05:32	(unrelated sample)
ZZZZZZ	M105683.D	06/27/14	21:33	06:01	(unrelated sample)
ZZZZZZ	M105684.D	06/27/14	22:02	06:30	(unrelated sample)
ZZZZZZ	M105685.D	06/27/14	22:31	06:59	(unrelated sample)
ZZZZZZ	M105686.D	06/27/14	22:59	07:27	(unrelated sample)
JB69534-6	M105687.D	06/27/14	23:28	07:56	368-FB-15
ZZZZZZ	M105688.D	06/27/14	23:57	08:25	(unrelated sample)
ZZZZZZ	M105689.D	06/28/14	00:26	08:54	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4326-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	M105670.D	**Injection Time:**	15:32
Instrument ID:	GCMSM		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	M105690.D	06/28/14	00:54	09:22	(unrelated sample)
ZZZZZZ	M105691.D	06/28/14	01:23	09:51	(unrelated sample)
ZZZZZZ	M105692.D	06/28/14	01:52	10:20	(unrelated sample)
ZZZZZZ	M105693.D	06/28/14	02:21	10:49	(unrelated sample)
ZZZZZZ	M105694.D	06/28/14	02:49	11:17	(unrelated sample)
ZZZZZZ	M105695.D	06/28/14	03:18	11:46	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4327-DFTPP	**Injection Date:**	06/28/14
Lab File ID:	M105696.D	**Injection Time:**	13:57
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	12619	39.8		Pass
68	Less than 2.0% of mass 69	268	0.85	(1.64) [a]	Pass
69	Mass 69 relative abundance	16299	51.4		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	16627	52.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	31697	100.0		Pass
199	5.0 - 9.0% of mass 198	2068	6.52		Pass
275	10.0 - 30.0% of mass 198	6370	20.1		Pass
365	1.0 - 100.0% of mass 198	740	2.33		Pass
441	Present, but less than mass 443	3106	9.80	(82.0) [b]	Pass
442	40.0 - 100.0% of mass 198	19286	60.8		Pass
443	17.0 - 23.0% of mass 442	3790	12.0	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4327-CC4300	M105697.D	06/28/14	14:09	00:12	Continuing cal 25
EM4327-CC4301	M105698.D	06/28/14	14:38	00:41	Continuing cal 25
OP76024-MB1	M105699.D	06/28/14	15:07	01:10	Method Blank
OP76024-BS1	M105700.D	06/28/14	15:36	01:39	Blank Spike
OP76024-MS	M105701.D	06/28/14	16:05	02:08	Matrix Spike
OP76024-MSD	M105702.D	06/28/14	16:34	02:37	Matrix Spike Duplicate
OP75872-MS	M105703.D	06/28/14	17:02	03:05	Matrix Spike
ZZZZZZ	M105705.D	06/28/14	18:00	04:03	(unrelated sample)
JB70415-1	M105706.D	06/28/14	18:29	04:32	(used for QC only; not part of job JB69534)
ZZZZZZ	M105707.D	06/28/14	18:58	05:01	(unrelated sample)
ZZZZZZ	M105708.D	06/28/14	19:27	05:30	(unrelated sample)
ZZZZZZ	M105709.D	06/28/14	19:55	05:58	(unrelated sample)
ZZZZZZ	M105710.D	06/28/14	20:24	06:27	(unrelated sample)
ZZZZZZ	M105711.D	06/28/14	20:53	06:56	(unrelated sample)
ZZZZZZ	M105713.D	06/28/14	21:51	07:54	(unrelated sample)
ZZZZZZ	M105720.D	06/29/14	01:12	11:15	(unrelated sample)
ZZZZZZ	M105721.D	06/29/14	01:40	11:43	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2669-CC2646	**Injection Date:**	06/19/14
Lab File ID:	3E62285.D	**Injection Time:**	11:47
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	266622	4.80	1011550	5.91	563105	8.01	884323	10.19	755890	14.39	512228	16.52
Upper Limit [a]	533244	5.30	2023100	6.41	1126210	8.51	1768646	10.69	1511780	14.89	1024456	17.02
Lower Limit [b]	133311	4.30	505775	5.41	281553	7.51	442162	9.69	377945	13.89	256114	16.02

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
OP75766-MB1	250899	4.80	943774	5.91	491408	8.01	757364	10.19	627827	14.39	518336	16.51
OP75766-BS1	239208	4.80	899825	5.91	431387	8.01	639392	10.19	571903	14.39	398412	16.52
OP75676-MB1	222170	4.80	855499	5.91	464778	8.01	725512	10.19	633302	14.39	550093	16.51
OP75676-BS1	257743	4.80	987896	5.91	495767	8.01	756298	10.19	683480	14.39	459840	16.52
ZZZZZZ	200661	4.81	807229	5.91	453887	8.01	717589	10.20	431939	14.40	324901	16.53
ZZZZZZ	192872	4.81	775418	5.91	430314	8.01	669945	10.20	430105	14.40	295122	16.52
ZZZZZZ	195529	4.81	805630	5.91	447458	8.01	699292	10.20	480692	14.40	340597	16.53
ZZZZZZ	196581	4.81	764569	5.91	319860	8.02	428875*	10.20	330768*	14.40	264573	16.53
OP75676-MS	111734*	4.81	525468	5.93	247431*	8.03	316542*	10.21	258310*	14.42	246348*	16.54
OP75676-MSD	118188*	4.81	525704	5.92	288546	8.02	407604*	10.21	246796*	14.41	212345*	16.54
JB69131-1	128577*	4.81	634248	5.92	352888	8.03	494648	10.21	283939*	14.42	262165	16.54
JB69061-1	173508	4.81	585562	5.92	314581	8.02	435282*	10.20	278885*	14.41	234108*	16.54
OP75684-MSD	155044	4.81	508076	5.92	275840*	8.02	384844*	10.21	269101*	14.42	216581*	16.54

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.

8.5.1

Semivolatile Internal Standard Area Summary

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2682-CC2680	**Injection Date:**	06/27/14
Lab File ID:	3E62591.D	**Injection Time:**	13:40
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	238978	4.71	932529	5.81	538934	7.88	841268	10.06	793285	14.26	693859	16.38
Upper Limit [a]	477956	5.21	1865058	6.31	1077868	8.38	1682536	10.56	1586570	14.76	1387718	16.88
Lower Limit [b]	119489	4.21	466265	5.31	269467	7.38	420634	9.56	396643	13.76	346930	15.88

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
OP75858-BS1	381182	4.71	1390404	5.81	761626	7.88	1122004	10.06	986077	14.26	872026	16.38
ZZZZZZ	315572	4.71	1187538	5.80	689657	7.88	1088925	10.06	968823	14.26	761885	16.38
OP75918-MB1	384245	4.71	1365684	5.80	742273	7.88	1076480	10.06	921651	14.25	796345	16.38
OP75918-BS1	359290	4.71	1301011	5.81	703556	7.88	1033116	10.06	898103	14.26	770133	16.38
OP75859-BS1	322312	4.71	1170076	5.81	636869	7.88	953572	10.06	809965	14.26	699989	16.38
ZZZZZZ	296572	4.71	1105223	5.80	631383	7.88	955599	10.06	873664	14.25	828962	16.38
ZZZZZZ	294598	4.71	1110952	5.80	660052	7.88	1055351	10.06	960288	14.25	877222	16.38
JB69061-1	338131	4.71	1260777	5.80	725611	7.88	1117587	10.06	1010674	14.25	859032	16.38
ZZZZZZ	258977	4.71	1019740	5.81	592994	7.88	886809	10.06	708819	14.26	638121	16.39
ZZZZZZ	319702	4.72	1146585	5.81	607505	7.88	864385	10.06	676968	14.26	630554	16.38
OP75798-MSD	316665	4.72	1190085	5.81	648335	7.88	955221	10.07	818865	14.30	707125	16.42
ZZZZZZ	368355	4.72	1332740	5.81	711090	7.89	1002812	10.07	786047	14.27	749970	16.40
ZZZZZZ	315240	4.72	1131472	5.81	602605	7.89	878910	10.07	687745	14.27	669242	16.40
ZZZZZZ	366585	4.72	1287859	5.81	706213	7.89	1001883	10.08	787372	14.27	746572	16.41
ZZZZZZ	340203	4.72	1217419	5.81	642271	7.89	917400	10.08	749445	14.28	736955	16.42
ZZZZZZ	294033	4.72	1057005	5.81	565754	7.89	828232	10.08	664338	14.28	627672	16.41
ZZZZZZ	305735	4.72	1076978	5.81	570184	7.89	826564	10.08	649966	14.28	633317	16.41
ZZZZZZ	342951	4.72	1193894	5.81	631033	7.89	917276	10.08	715356	14.27	696485	16.41
JB69534-1	308285	4.72	1074357	5.81	566921	7.89	822430	10.08	672406	14.27	623772	16.41
OP75766-MS	295133	4.72	1074432	5.81	566957	7.89	810902	10.08	677337	14.28	589989	16.41
OP75766-MSD	274871	4.72	983039	5.81	518230	7.89	743394	10.08	636124	14.28	544072	16.41

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: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2683-CC2680	**Injection Date:**	06/28/14
Lab File ID:	3E62617.D	**Injection Time:**	14:05
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	286052	4.71	1121894	5.80	654910	7.88	1087165	10.08	1017339	14.27	846058	16.40
Upper Limit [a]	572104	5.21	2243788	6.30	1309820	8.38	2174330	10.58	2034678	14.77	1692116	16.90
Lower Limit [b]	143026	4.21	560947	5.30	327455	7.38	543583	9.58	508670	13.77	423029	15.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	403697	4.71	1512600	5.80	846187	7.88	1258923	10.07	1017683	14.26	878494	16.40
ZZZZZZ	365911	4.71	1397342	5.81	763530	7.88	1134897	10.07	926951	14.27	817973	16.40
ZZZZZZ	311983	4.71	1177449	5.80	662698	7.88	1024674	10.07	845219	14.27	775486	16.40
ZZZZZZ	371541	4.71	1359094	5.80	732939	7.88	1107799	10.08	862159	14.28	802240	16.41
ZZZZZZ	294315	4.71	1088312	5.80	605245	7.88	876420	10.08	725660	14.27	635388	16.41
JB69534-2	278317	4.71	1032545	5.80	568153	7.88	822748	10.08	635782	14.27	589274	16.41
JB69534-3	271534	4.71	1003648	5.80	562430	7.88	829104	10.08	633570	14.27	547451	16.40
JB69534-4	272896	4.71	1016589	5.80	563879	7.88	830019	10.08	686356	14.27	585718	16.40
JB69534-5	264444	4.71	989802	5.80	546646	7.88	799625	10.08	674669	14.27	565316	16.40
JB69534-8	300084	4.71	1259336	5.81	712274	7.93	881979	10.12	770230	14.31	704879	16.46
JB69534-9	271235	4.72	1077750	5.81	574113	7.93	753294	10.12	656018	14.31	604556	16.45
JB69534-10	309148	4.72	1196585	5.82	661231	7.95	770349	10.13	667864	14.32	638657	16.47
ZZZZZZ	287107	4.72	1068940	5.81	582474	7.89	847240	10.09	653293	14.29	606140	16.42
ZZZZZZ	275411	4.72	1015467	5.81	540000	7.89	771222	10.08	587801	14.29	562932	16.42
ZZZZZZ	263672	4.71	985392	5.81	537330	7.89	794344	10.08	605595	14.28	558538	16.42
ZZZZZZ	260153	4.71	954057	5.80	505256	7.89	746180	10.08	596130	14.28	541252	16.41
ZZZZZZ	271134	4.71	1005492	5.80	548611	7.89	804951	10.08	628308	14.28	569476	16.42

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: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EM4324-CC4300	**Injection Date:**	06/26/14
Lab File ID:	M105619.D	**Injection Time:**	22:10
Instrument ID:	GCMSM	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	59509	4.69	223360	5.83	138658	8.18	235716	10.80	211284	15.99	187076	18.61
Upper Limit [a]	119018	5.19	446720	6.33	277316	8.68	471432	11.30	422568	16.49	374152	19.11
Lower Limit [b]	29755	4.19	111680	5.33	69329	7.68	117858	10.30	105642	15.49	93538	18.11

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
OP75872-MB1	91783	4.69	352255	5.83	215397	8.18	374055	10.80	325661	15.98	281862	18.60
OP75872-BS1	64286	4.69	242148	5.83	152812	8.18	259358	10.79	219073	15.97	184850	18.60
OP75872-BS13	97839	4.69	368133	5.83	225836	8.17	387570	10.79	335863	15.97	280324	18.59
OP75888-BS1	73072	4.69	280322	5.83	175168	8.17	294095	10.79	260741	15.97	209707	18.59
OP75888-BS13	84724	4.69	324363	5.83	197975	8.17	340575	10.78	303184	15.96	238566	18.58
OP75888-MS	103195	4.69	392508	5.82	244825	8.17	410845	10.79	369296	15.96	294816	18.59
OP75888-MSD	100994	4.69	389813	5.83	240043	8.17	402420	10.79	363078	15.96	288916	18.58
JB69922-1	84896	4.69	321050	5.82	199946	8.17	344822	10.78	316648	15.95	243728	18.58
ZZZZZZ	103711	4.68	403649	5.82	249068	8.17	435433	10.78	403806	15.95	311097	18.57
ZZZZZZ	90505	4.69	360343	5.82	224813	8.16	382230	10.78	356408	15.95	278045	18.57
ZZZZZZ	105820	4.69	401843	5.82	253120	8.16	439182	10.78	407079	15.95	327878	18.57
ZZZZZZ	100704	4.69	375869	5.82	239926	8.17	412502	10.78	379708	15.95	306682	18.58
ZZZZZZ	106798	4.69	390587	5.82	253677	8.17	428287	10.78	399776	15.95	327753	18.57
ZZZZZZ	91094	4.69	352226	5.82	223103	8.16	382739	10.78	367738	15.94	287972	18.57
ZZZZZZ	85022	4.69	324593	5.82	196373	8.16	340094	10.78	320340	15.94	244146	18.57
ZZZZZZ	93781	4.68	354589	5.82	213113	8.16	372967	10.77	353776	15.94	275210	18.56
OP75872-MSD	115722	4.69	438911	5.82	266446	8.16	443230	10.78	416185	15.95	325607	18.57
JB69524-1	108445	4.68	404906	5.82	247749	8.16	418695	10.77	401681	15.94	314774	18.56
ZZZZZZ	115361	4.69	428236	5.82	259951	8.16	446818	10.77	422032	15.94	319463	18.56

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 Internal Standard Area Summary

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EM4326-CC4300	**Injection Date:**	06/27/14
Lab File ID:	M105671.D	**Injection Time:**	15:45
Instrument ID:	GCMSM	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	106629	4.79	407141	5.95	252205	8.33	414821	10.97	383653	16.14	326309	18.77
Upper Limit [a]	213258	5.29	814282	6.45	504410	8.83	829642	11.47	767306	16.64	652618	19.27
Lower Limit [b]	53315	4.29	203571	5.45	126103	7.83	207411	10.47	191827	15.64	163155	18.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP75861-MB1	114227	4.79	417991	5.95	248186	8.33	415204	10.96	387915	16.14	319424	18.76
OP75861-BS1	115600	4.79	436928	5.95	268754	8.33	452174	10.96	411504	16.15	345915	18.76
OP75888-MB1	138111	4.79	511395	5.95	309935	8.33	527222	10.96	497593	16.14	424048	18.76
ZZZZZZ	101784	4.79	373417	5.95	224641	8.33	381665	10.96	362043	16.16	301272	18.78
ZZZZZZ	101105	4.79	362428	5.95	216678	8.33	358866	10.96	327325	16.17	272466	18.79
ZZZZZZ	108397	4.79	408392	5.95	249947	8.33	418784	10.97	358202	16.17	312647	18.80
ZZZZZZ	97724	4.80	364067	5.95	224625	8.34	385113	10.97	338985	16.15	292205	18.78
ZZZZZZ	97005	4.79	356838	5.96	216343	8.33	372254	10.97	325436	16.15	276182	18.78
ZZZZZZ	110545	4.79	413897	5.96	253669	8.33	442653	10.97	396785	16.15	323011	18.77
ZZZZZZ	128194	4.79	471076	5.95	285339	8.33	495999	10.96	450803	16.15	365803	18.77
ZZZZZZ	106515	4.79	398828	5.95	245764	8.33	420374	10.96	394828	16.15	311887	18.77
ZZZZZZ	116268	4.79	434275	5.96	266819	8.33	455449	10.96	441558	16.14	344989	18.77
ZZZZZZ	126708	4.79	470599	5.96	290356	8.33	501085	10.96	481981	16.14	377703	18.77
ZZZZZZ	117932	4.79	441666	5.95	273297	8.33	469196	10.96	453399	16.15	351258	18.77
JB69534-6	119176	4.79	431724	5.95	261456	8.33	443044	10.96	408373	16.14	327165	18.77
ZZZZZZ	111617	4.79	405622	5.95	246991	8.33	431487	10.96	411480	16.14	324232	18.77
ZZZZZZ	111843	4.79	410535	5.95	249675	8.33	434918	10.96	417519	16.14	333849	18.77
ZZZZZZ	129798	4.79	481317	5.95	294947	8.33	500404	10.96	457784	16.15	372152	18.77
ZZZZZZ	119851	4.79	444629	5.95	273287	8.33	469823	10.96	446967	16.14	353499	18.77
ZZZZZZ	126232	4.79	479693	5.95	288609	8.33	510746	10.96	492945	16.14	391500	18.77
ZZZZZZ	115035	4.79	422841	5.95	254251	8.33	439512	10.96	429211	16.14	349058	18.76
ZZZZZZ	109041	4.79	404658	5.95	250195	8.33	433781	10.96	413562	16.14	333135	18.76
ZZZZZZ	122813	4.79	451534	5.96	285863	8.33	490667	10.96	445174	16.14	371970	18.77

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: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EM4327-CC4300	**Injection Date:**	06/28/14
Lab File ID:	M105697.D	**Injection Time:**	14:09
Instrument ID:	GCMSM	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	121927	4.79	456351	5.95	282251	8.32	478119	10.95	450800	16.14	399681	18.76
Upper Limit [a]	243854	5.29	912702	6.45	564502	8.82	956238	11.45	901600	16.64	799362	19.26
Lower Limit [b]	60964	4.29	228176	5.45	141126	7.82	239060	10.45	225400	15.64	199841	18.26

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
OP76024-MB1	142993	4.79	527299	5.95	321516	8.32	544933	10.95	516528	16.13	440465	18.76
OP76024-BS1	143217	4.79	543183	5.95	334118	8.33	551670	10.95	493201	16.14	421244	18.76
OP76024-MS	129978	4.79	480840	5.95	295325	8.32	495278	10.95	449149	16.14	389309	18.76
OP76024-MSD	130924	4.79	492750	5.95	306329	8.32	507210	10.95	460207	16.13	392594	18.76
OP75872-MS	153374	4.79	570055	5.95	351615	8.32	600506	10.96	542922	16.14	462208	18.76
ZZZZZZ	141405	4.79	517141	5.95	323968	8.32	559830	10.95	561632	16.13	489486	18.76
JB70415-1	127226	4.79	475100	5.95	291773	8.32	502569	10.95	482829	16.13	411762	18.76
ZZZZZZ	98353	4.80	313014	5.97	237186	8.32	410829	10.95	385441	16.13	323377	18.76
ZZZZZZ	117133	4.80	343984	5.97	282388	8.33	487460	10.95	456906	16.13	373665	18.76
ZZZZZZ	112536	4.79	378257	5.96	267074	8.32	457771	10.95	430167	16.13	358727	18.76
ZZZZZZ	103818	4.82	287630	5.98	272120	8.32	478056	10.96	455655	16.13	378770	18.76
ZZZZZZ	81439	4.82	222181[c]	5.99	222612	8.33	400315	10.95	394282	16.13	335342	18.75
ZZZZZZ	135317	4.79	502784	5.95	326645	8.32	563939	10.95	549180	16.13	451395	18.76
ZZZZZZ	115829	4.79	422834	5.95	265359	8.32	456708	10.95	418428	16.14	354578	18.76
ZZZZZZ	112899	4.79	418908	5.95	264198	8.32	451124	10.95	407581	16.13	325176	18.76

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside of control limits. Refer to dilution.

Semivolatile Surrogate Recovery Summary

Job Number: JB69534
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
JB69534-6	M105687.D	57	37	93	95	89	93
OP75872-BS1	M105622.D	63	46	93	92	84	95
OP75872-BS13	M105623.D	76	62	97	90	83	94
OP75872-MB1	M105621.D	61	41	94	91	84	91
OP75872-MS	M105703.D	74	62	87	82	78	76
OP75872-MSD	M105639.D	77	65	92	90	84	78

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: JB69534
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
JB69534-1	3E62612.D	73	67	77	75	79	88
JB69534-2	3E62627.D	77	75	78	78	78	97
JB69534-3	3E62628.D	76	73	80	76	79	96
JB69534-4	3E62629.D	74	71	72	74	76	85
JB69534-5	3E62630.D	77	75	77	74	77	87
JB69534-8	3E62631.D	48	57	92	63	71	77
JB69534-9	3E62632.D	57	64	97	71	79	84
JB69534-10	3E62633.D	67	68	100	84	80	83
OP75766-BS1	3E62289.D	73	73	99	87	88	80
OP75766-MB1	3E62288.D	80	77	107	94	94	98
OP75766-MS	3E62613.D	74	70	79	74	78	82
OP75766-MSD	3E62614.D	77	73	87	78	82	88

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	13-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	20-123%
S4 = Nitrobenzene-d5	10-110%
S5 = 2-Fluorobiphenyl	17-110%
S6 = Terphenyl-d14	30-124%

Initial Calibration Summary

Job Number: JB69534 **Sample:** E3E2646-ICC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Calibration Files
2 =3E61400.D 5 =3E61399.D 25 =3E61397.D 80 =3E61395.D
100 =3E61394.D 50 =3E61396.D 1 =3E61401.D 10 =3E61398.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.774	0.754	0.672	0.734	0.707	0.662	0.741	0.725	0.721 5.39
3) Pyridine	1.772	1.830	1.724	1.868	1.756	1.686	1.754	1.784	1.772 3.24
4) N-Nitrosodim	0.979	1.004	1.020	1.009	0.946	1.014	0.925	0.985	0.985 3.49
5) 2-Fluorophen	1.272	1.350	1.444	1.417	1.340	1.424	1.223	1.343	1.352 5.68
6) Indene	2.843	2.956	2.612	2.462	2.221	2.454	2.841	2.883	2.659 9.85
7) Cumene	4.045	4.119	3.670	3.452	3.165	3.473	4.040	4.004	3.746 9.50
8) Phenol-d5	1.602	1.703	1.793	1.707	1.614	1.748	1.545	1.685	1.675 4.89
9) Phenol	1.852	1.935	1.958	1.971	1.842	2.043	1.929	1.909	1.930 3.36
10) Aniline	2.294	2.232	2.230	1.748	1.634	2.084	2.163	2.054	2.055 11.68
11) bis(2-Chloro	1.372	1.403	1.400	1.340	1.259	1.358	1.368	1.365	1.358 3.33
12) 2-Chlorophen	1.433	1.542	1.551	1.505	1.426	1.516	1.512	1.500	1.498 3.07
13) Decane	1.798	1.843	1.622	1.433	1.232	1.524	1.745	1.787	1.623 13.16
14) 1,3-Dichloro	1.639	1.661	1.655	1.514	1.456	1.597	1.680	1.608	1.601 4.90
15) 1,4-Dichloro	1.636	1.648	1.652	1.495	1.422	1.577	1.709	1.594	1.591 5.85
16) Benzyl alcoh	0.914	0.984	1.023	0.980	0.928	1.008	0.897	0.960	0.962 4.72
17) 1,2-Dichloro	1.533	1.530	1.525	1.364	1.283	1.458	1.610	1.497	1.475 7.12
18) Acetophenone	2.284	2.351	2.053	1.924	1.736	1.942	2.257	2.270	2.102 10.50
19) 2-Methylphen	1.221	1.366	1.333	1.265	1.178	1.292	1.252	1.319	1.278 4.84
20) 2,2'-oxybis(	0.523	0.530	0.524	0.485	0.445	0.508	0.507	0.514	0.504 5.49
21) 3&4-Methylph	1.281	1.418	1.459	1.320	1.194	1.413	1.335	1.420	1.355 6.55
22) n-Nitroso-di	0.974	1.005	1.005	0.843	0.768	0.941	0.954	0.974	0.933 9.03
23) Hexachloroet	0.459	0.456	0.455	0.399	0.403	0.429	0.438	0.444	0.436 5.37
24) I Naphthalene-d8	ISTD								
25) Nitrobenzene	0.319	0.358	0.363	0.364	0.344	0.362	0.312	0.352	0.347 5.93
26) Nitrobenzene	0.371	0.399	0.405	0.391	0.369	0.399	0.382	0.393	0.389 3.47
27) Quinoline	0.821	0.865	0.741	0.810	0.777	0.720	0.798	0.837	0.796 6.10
28) Isophorone	0.650	0.692	0.704	0.662	0.626	0.694	0.617	0.683	0.666 4.86
29) 2-Nitropheno	0.152	0.183	0.200	0.214	0.207	0.205	0.147	0.189	0.187 13.51
30) 2,4-Dimethyl	0.198	0.279	0.328	0.342	0.332	0.341	0.241	0.293	0.294 17.93
31) Benzoic acid		0.155	0.226	0.286	0.271	0.258		0.193	0.232 21.80
----- Linear regression ----- Coefficient = 0.9971									
Response Ratio = -0.02489 + 0.28613 *A									
32) bis(2-Chloro	0.399	0.413	0.406	0.399	0.380	0.403	0.396	0.399	0.399 2.35
33) 2,4-Dichloro	0.262	0.287	0.285	0.279	0.275	0.278	0.256	0.282	0.275 4.03
34) 2,6-Dichloro	0.265	0.280	0.272	0.266	0.259	0.265	0.259	0.272	0.267 2.68
35) 1,3,5-Trichl	0.388	0.397	0.330	0.340	0.346	0.316	0.391	0.373	0.360 8.62
36) 1,2,4-Trichl	0.323	0.325	0.305	0.274	0.272	0.291	0.321	0.307	0.302 7.09
37) 1,2,3-Trichl	0.355	0.356	0.292	0.287	0.276	0.272	0.361	0.334	0.317 12.27
38) Naphthalene	1.148	1.145	1.086	0.983	0.924	1.047	1.220	1.099	1.081 8.82
39) 4-Chloroanil	0.455	0.474	0.481	0.427	0.406	0.465	0.442	0.463	0.452 5.58
40) 2,3-Dichloro	0.387	0.407	0.357	0.376	0.359	0.346	0.379	0.395	0.376 5.49
41) Caprolactam	0.164	0.186	0.177	0.213	0.199	0.179	0.141	0.189	0.181 11.97
42) Hexachlorobu	0.147	0.147	0.138	0.123	0.124	0.129	0.154	0.140	0.138 8.51

8.7.1
8

Initial Calibration Summary

Job Number: JB69534 **Sample:** E3E2646-ICC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

43) 4-Chloro-3-m 0.262 0.298 0.306 0.310 0.297 0.307 0.260 0.296 0.292 6.84
44) 2-Methylnaph 0.631 0.653 0.646 0.612 0.582 0.632 0.646 0.630 0.629 3.65
45) 1-Methylnaph 0.727 0.741 0.643 0.682 0.644 0.626 0.724 0.713 0.687 6.54
46) Dimethylnaph 0.721 0.746 0.647 0.676 0.649 0.623 0.699 0.725 0.686 6.39

47) I Acenaphthene-d10 ----------ISTD----------
48) Hexachlorocy 0.243 0.283 0.286 0.287 0.299 0.287 0.220 0.281 0.273 9.88
49) 2,4,6-Trichl 0.286 0.328 0.334 0.318 0.317 0.331 0.275 0.330 0.315 7.11
50) 2,4,5-Trichl 0.314 0.348 0.350 0.328 0.323 0.336 0.297 0.343 0.330 5.50
51) 2-Fluorobiph 1.262 1.284 1.276 1.156 1.121 1.239 1.247 1.233 1.227 4.74
52) 2-Chloronaph 1.179 1.204 1.172 1.031 1.005 1.136 1.178 1.150 1.132 6.50
53) Biphenyl 1.798 1.841 1.629 1.699 1.633 1.617 1.759 1.806 1.723 5.21
54) 2-Nitroanili 0.262 0.322 0.380 0.408 0.387 0.399 0.343 0.357 14.56
55) Dimethylphth 1.191 1.229 1.213 1.167 1.140 1.188 1.272 1.198 1.200 3.32
56) Acenaphthyle 1.806 1.917 1.919 1.819 1.751 1.922 1.707 1.880 1.840 4.49
57) 2,6-Dinitrot 0.181 0.235 0.272 0.283 0.274 0.288 0.152 0.250 0.242 20.75
----- Linear regression ----- Coefficient = 0.9991
Response Ratio = -0.00341 + 0.28025 *A

58) 3-Nitroanili 0.264 0.320 0.369 0.379 0.365 0.382 0.206 0.342 0.328 19.14
59) Acenaphthene 1.159 1.194 1.213 1.159 1.122 1.205 1.194 1.174 1.178 2.54
60) 2,4-Dinitrop 0.110 0.148 0.143 0.131 0.085 0.123 20.92
----- Linear regression ----- Coefficient = 0.9974
Response Ratio = -0.04482 + 0.15372 *A

61) 4-Nitropheno 0.143 0.168 0.189 0.180 0.177 0.153 0.168 10.42
62) Dibenzofuran 1.598 1.615 1.579 1.493 1.448 1.578 1.696 1.556 1.570 4.81
63) 2,4-Dinitrot 0.228 0.317 0.377 0.389 0.377 0.391 0.173 0.339 0.324 25.22
----- Linear regression ----- Coefficient = 0.9993
Response Ratio = -0.00585 + 0.38559 *A

64) 2,3,4,6-Tetr 0.202 0.242 0.255 0.248 0.247 0.256 0.171 0.247 0.233 13.07
65) Diethylphtha 1.104 1.207 1.235 1.213 1.174 1.236 1.111 1.210 1.186 4.41
66) Fluorene 1.225 1.312 1.345 1.317 1.269 1.345 1.254 1.308 1.297 3.35
67) 4-Chlorophen 0.555 0.575 0.538 0.504 0.504 0.512 0.541 0.546 0.534 4.80
68) 4-Nitroanili 0.275 0.339 0.386 0.363 0.348 0.389 0.232 0.357 0.336 16.38

69) I Phenanthrene-d10 ----------ISTD----------
70) 4,6-Dinitro- 0.104 0.124 0.120 0.117 0.084 0.110 14.76
71) n-Nitrosodip 0.534 0.576 0.590 0.587 0.560 0.594 0.515 0.581 0.567 5.07
72) 1,2-Diphenyl 0.835 0.906 0.975 0.938 0.882 0.991 0.757 0.920 0.900 8.47
73) 2,4,6-Tribro 0.062 0.075 0.080 0.071 0.070 0.077 0.052 0.074 0.070 13.15
74) 4-Bromopheny 0.183 0.191 0.192 0.179 0.176 0.188 0.186 0.193 0.186 3.35
75) Hexachlorobe 0.208 0.214 0.200 0.174 0.168 0.190 0.212 0.198 0.196 8.65
76) Pentachlorop 0.082 0.111 0.127 0.133 0.132 0.128 0.120 0.119 15.15
77) Phenanthrene 1.129 1.155 1.165 1.091 1.040 1.157 1.156 1.135 1.128 3.81
78) Anthracene 1.062 1.143 1.187 1.081 1.026 1.169 1.020 1.136 1.103 5.86
79) Carbazole 1.189 1.296 1.190 1.288 1.227 1.188 1.113 1.296 1.224 5.38
80) Di-n-butylph 1.034 1.245 1.375 1.390 1.322 1.413 0.999 1.301 1.260 12.67
81) Fluoranthene 1.024 1.145 1.215 1.213 1.177 1.234 0.999 1.160 1.146 7.72
82) Octadecane 0.562 0.666 0.659 0.706 0.639 0.679 0.497 0.690 0.637 11.23

83) I Chrysene-d12 ----------ISTD----------
84) Pyrene 1.241 1.368 1.426 1.477 1.428 1.450 1.191 1.352 1.367 7.49
85) Terphenyl-d1 0.795 0.861 0.891 0.884 0.861 0.882 0.754 0.839 0.846 5.71
86) Butylbenzylp 0.419 0.558 0.673 0.806 0.775 0.723 0.598 0.650 20.85
----- Quadratic regression ----- Coefficient = 0.9981
Response Ratio = -0.03032 + 0.73780 *A + 0.02501 *A^2

87) Butyl steara 0.253 0.373 0.496 0.541 0.500 0.539 0.407 0.444 23.85

Initial Calibration Summary

Job Number: JB69534 **Sample:** E3E2646-ICC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 88) Benzo[a]anth 1.154 1.211 1.260 1.314 1.289 1.262 1.207 1.197 1.237   4.32
 89) 3,3'-Dichlor 0.315 0.386 0.447 0.503 0.508 0.469       0.411 0.434  15.94
 90) Chrysene     1.021 1.044 1.068 0.992 0.943 1.046 1.001 1.018 1.017   3.83
 91) bis(2-Ethylh 0.529 0.724 0.874 0.981 0.924 0.933       0.781 0.821  19.12

 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 0.906 1.373 1.734 2.154 2.081 1.907       1.569 1.675  26.07
          ----- Quadratic regression -----                Coefficient =  0.9980
               Response Ratio = -0.08746 + 1.91743 *A + 0.09439 *A^2

 94) Benzo[b]fluo 1.109 1.338 1.450 1.579 1.523 1.435 1.002 1.374 1.351  14.78
 95) Benzo[k]fluo 1.236 1.323 1.300 1.073 1.038 1.251 1.166 1.338 1.215   9.32
 96) Benzo[a]pyre 0.978 1.112 1.197 1.203 1.161 1.190 0.893 1.151 1.111  10.31
 97) Indeno[1,2,3 0.906 1.054 1.212 1.364 1.292 1.251 0.866 1.137 1.135  15.87
 98) Dibenz(a,h)a 0.923 1.089 1.054 1.313 1.285 1.087 0.851 1.153 1.095  14.56
 99) Dibenz[a,h]a 0.971 1.114 1.168 1.140 1.093 1.151 0.965 1.137 1.092   7.33
100) 7,12-Dimethy 0.151 0.272 0.636 0.873 0.877 0.697       0.401 0.558  51.65
          ----- Quadratic regression -----                Coefficient =  0.9976
               Response Ratio = -0.04720 + 0.63618 *A + 0.11025 *A^2

101) Benzo[g,h,i] 0.952 1.088 1.163 1.193 1.147 1.158 0.958 1.136 1.099   8.55

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

           M3E2646.M         Fri Jun 06 09:21:54 2014   MS3E
```

8.7.1

8

Initial Calibration Summary

Job Number: JB69534 **Sample:** E3E2647-ICC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61405.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2647.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Calibration Files
2 =3E61409.D 5 =3E61408.D 25 =3E61406.D 80 =3E61404.D
100 =3E61403.D 50 =3E61405.D 1 =3E61410.D 10 =3E61407.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
102) 1,4-Dichlorobenzene-d	ISTD								
103) Benzaldehyde	1.012	1.108	1.170	1.061	0.954	1.131	0.983	1.133	1.069 7.40
104) Acenaphthene-d10a	ISTD								
105) 1,2,4,5-Tetr	0.469	0.491	0.491	0.497	0.511	0.482	0.465	0.478	0.486 3.16
106) Phenanthrene-d10a	ISTD								
107) Atrazine	0.069	0.090	0.114	0.119	0.120	0.113		0.106	0.104 17.72
108) o-Terphenyl	0.457	0.519	0.552	0.565	0.569	0.551	0.452	0.536	0.525 8.83
109) 1-Chloroocta	0.202	0.277	0.367	0.371	0.360	0.371		0.339	0.327 19.67
110) I Chrysene-d12a	ISTD								
111) benzidine		0.614	0.883	0.592		0.808		0.780	0.736 17.23
112) I Naphthalene-d8a	ISTD								
113) Hydroquinone		0.202	0.331	0.333	0.334	0.339		0.277	0.303 17.91

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

M3E2646.M Fri Jun 06 10:04:47 2014 MS3E

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61412.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61412.D Vial: 19
Acq On : 5 Jun 2014 1:59 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	4.98
3	t	Pyridine	1.772	1.508	14.9	108	0.00	2.89
4	t	N-Nitrosodimethylamine	0.985	0.892	9.4	106	0.00	2.85
11	t	bis(2-Chloroethyl)ether	1.358	1.303	4.1	116	0.00	4.76
14	t	1,3-Dichlorobenzene	1.601	1.459	8.9	110	0.00	4.94
15	t	1,4-Dichlorobenzene	1.591	1.430	10.1	109	0.00	4.99
16	t	Benzyl alcohol	0.962	0.867	9.9	104	0.00	5.09
17	t	1,2-Dichlorobenzene	1.475	1.324	10.2	110	0.00	5.12
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.466	7.5	111	0.00	5.19
22	t	n-Nitroso-di-n-propylamin	0.933	0.861	7.7	110	0.00	5.30
23	t	Hexachloroethane	0.436	0.415	4.8	117	0.00	5.41
24	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00	6.12
26	t	Nitrobenzene	0.389	0.332	14.7	98	0.00	5.45
28	t	Isophorone	0.666	0.583	12.5	99	0.00	5.66
32	t	bis(2-Chloroethoxy)methan	0.399	0.389	2.5	114	0.00	5.86
36	t	1,2,4-Trichlorobenzene	0.302	0.282	6.6	114	0.00	6.06
38	t	Naphthalene	1.081	0.960	11.2	108	0.00	6.14
42	t	Hexachlorobutadiene	0.138	0.127	8.0	116	0.00	6.28
44	t	2-Methylnaphthalene	0.629	0.561	10.8	104	0.00	6.90
47	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00	8.26
48	t	Hexachlorocyclopentadiene	0.273	0.246	9.9	98	0.00	7.11
52	t	2-Chloronaphthalene	1.132	1.082	4.4	109	0.00	7.51
54	t	2-Nitroaniline	0.357	0.302	15.4	86	0.00	7.64
55	t	Dimethylphthalate	1.200	1.109	7.6	107	0.00	7.89
56	t	Acenaphthylene	1.840	1.476	19.8	88	0.00	8.06
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	40.902	18.2	90	0.00	7.96
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.328	0.259	21.0	78	0.00	8.19
59	t	Acenaphthene	1.178	1.127	4.3	107	0.00	8.31
62	t	Dibenzofuran	1.570	1.417	9.7	103	0.00	8.55
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	35.217	29.6	78	0.01	8.53
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.186	1.079	9.0	100	0.00	8.90
66	t	Fluorene	1.297	1.210	6.7	103	0.00	9.04

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61412.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

67	t	4-Chlorophenyl-phenylethe	0.534	0.498	6.7	111	0.00	9.05
68	t	4-Nitroaniline	0.336	0.294	12.5	86	0.02	9.08
69	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00	10.46
71	t	n-Nitrosodiphenylamine	0.567	0.563	0.7	103	0.00	9.23
72	t	1,2-Diphenylhydrazine	0.900	0.844	6.2	93	0.00	9.29
74	t	4-Bromophenyl-phenylether	0.186	0.183	1.6	106	0.00	9.79
75	t	Hexachlorobenzene	0.196	0.179	8.7	102	0.00	9.88
77	t	Phenanthrene	1.128	1.047	7.2	98	0.00	10.49
78	t	Anthracene	1.103	1.045	5.3	97	0.00	10.57
79	t	Carbazole	1.224	1.017	16.9	93	0.00	10.84
80	t	Di-n-butylphthalate	1.260	1.203	4.5	93	0.00	11.45
81	t	Fluoranthene	1.146	1.039	9.3	91	0.00	12.36
83	I	Chrysene-d12	1.000	1.000	0.0	100	0.00	14.66
84	t	Pyrene	1.367	1.316	3.7	91	0.00	12.72
		----------	True	Calc.	% Drift			----------
86	t	Butylbenzylphthalate	50.000	41.874	16.3	85	0.00	13.84
		----------	AvgRF	CCRF	% Dev			----------
88	t	Benzo[a]anthracene	1.237	1.122	9.3	89	0.00	14.64
90	t	Chrysene	1.017	0.994	2.3	95	0.01	14.70
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.784	4.5	84	0.00	14.80
92	I	Perylene-d12	1.000	1.000	0.0	98	0.00	16.79
		----------	True	Calc.	% Drift			----------
93	t	Di-n-octylphthalate	50.000	41.146	17.7	81	0.00	15.78
		----------	AvgRF	CCRF	% Dev			----------
94	t	Benzo[b]fluoranthene	1.351	1.222	9.5	83	0.00	16.25
95	t	Benzo[k]fluoranthene	1.215	1.179	3.0	92	0.01	16.30
96	t	Benzo[a]pyrene	1.111	1.097	1.3	90	0.01	16.71
97	t	Indeno[1,2,3-cd]pyrene	1.135	1.032	9.1	80	0.02	18.52
99	t	Dibenz[a,h]anthracene	1.092	1.031	5.6	87	0.02	18.56
101	t	Benzo[g,h,i]perylene	1.099	1.039	5.5	88	0.02	19.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:24:08 2014 MS3E

8.7.3

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61414.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61414.D Vial: 21
Acq On : 5 Jun 2014 2:54 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	135	0.00	4.98
5	S	2-Fluorophenol	1.352	1.184	12.4	112	0.00	3.98
8	S	Phenol-d5	1.675	1.378	17.7	106	0.00	4.68
24	I	Naphthalene-d8	1.000	1.000	0.0	135	0.00	6.12
25	S	Nitrobenzene-d5	0.347	0.301	13.3	112	0.00	5.44
47	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00	8.25
51	S	2-Fluorobiphenyl	1.227	1.166	5.0	128	0.00	7.35
69	I	Phenanthrene-d10	1.000	1.000	0.0	131	0.00	10.46
73	S	2,4,6-Tribromophenol	0.070	0.067	4.3	114	0.00	9.40
83	I	Chrysene-d12	1.000	1.000	0.0	118	0.00	14.65
85	S	Terphenyl-d14	0.846	0.851	-0.6	114	0.00	13.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:28:00 2014 MS3E

8.7.4

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61415.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61415.D Vial: 22
Acq On : 5 Jun 2014 3:22 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	0.00	4.98
10	Aniline	2.055	2.235	-8.8	151	0.00	4.72
24 I	Naphthalene-d8	1.000	1.000	0.0	148	0.00	6.12
39 t	4-Chloroaniline	0.452	0.461	-2.0	146	0.00	6.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:29:37 2014 MS3E

8.7.5

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61416.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61416.D Vial: 23
Acq On : 5 Jun 2014 3:49 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	181	0.00	14.66
89 t	3,3'-Dichlorobenzidine	0.434	0.386	11.1	149	0.00	14.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:30:43 2014 MS3E

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2647-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61416A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61416a.D Vial: 23
Acq On : 5 Jun 2014 3:49 am Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110 I	Chrysene-d12a	1.000	1.000	0.0	177	0.00	14.66
111 T	benzidine	0.736	0.765	-3.9	168	0.00	12.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:01:00 2014 MS3E

8.7.7

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2647-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61417.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61417.D Vial: 24
Acq On : 5 Jun 2014 4:16 am Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	128	0.00	6.12
113 T	Hydroquinone	0.303	0.335	-10.6	127	0.01	6.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:02:06 2014 MS3E

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2648-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61421.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2648\3E61421.D Vial: 2
Acq On : 5 Jun 2014 12:37 pm Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2648, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	-0.01	4.97
9 t	Phenol	1.930	1.780	7.8	107	0.00	4.68
12 t	2-Chlorophenol	1.498	1.473	1.7	120	0.00	4.81
19 t	2-Methylphenol	1.278	1.321	-3.4	126	-0.01	5.16
21 t	3&4-Methylphenol	1.355	1.360	-0.4	118	-0.01	5.28
24 I	Naphthalene-d8	1.000	1.000	0.0	121	-0.01	6.11
29 t	2-Nitrophenol	0.187	0.209	-11.8	123	-0.01	5.73
30 t	2,4-Dimethylphenol	0.294	0.351	-19.4	125	-0.01	5.76
	----------	True	Calc.	% Drift	----------		
31 t	Benzoic acid	50.000	41.649	16.7	103	0.05	5.87
	----------	AvgRF	CCRF	% Dev	----------		
33 t	2,4-Dichlorophenol	0.275	0.295	-7.3	128	-0.01	5.96
34 t	2,6-Dichlorophenol	0.267	0.286	-7.1	131	0.00	6.19
43 t	4-Chloro-3-methylphenol	0.292	0.293	-0.3	116	-0.01	6.70
47 I	Acenaphthene-d10	1.000	1.000	0.0	126	-0.01	8.25
49 t	2,4,6-Trichlorophenol	0.315	0.355	-12.7	135	-0.01	7.24
50 t	2,4,5-Trichlorophenol	0.330	0.364	-10.3	136	0.00	7.28
	----------	True	Calc.	% Drift	----------		
60 t	2,4-Dinitrophenol	100.000	83.364	16.6	88	0.00	8.32
	----------	AvgRF	CCRF	% Dev	----------		
61 t	4-Nitrophenol	0.168	0.145	13.7	103	0.00	8.43
64	2,3,4,6-Tetrachlorophenol	0.233	0.261	-12.0	128	0.00	8.72
69 I	Phenanthrene-d10	1.000	1.000	0.0	121	-0.01	10.44
70 t	4,6-Dinitro-2-methylpheno	0.110	0.112	-1.8	116	-0.01	9.11
76 t	Pentachlorophenol	0.119	0.138	-16.0	130	-0.01	10.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:09:03 2014 MS3E

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2648-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61422A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2648\3E61422a.D Vial: 3
Acq On : 5 Jun 2014 1:05 pm Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2648, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	128	0.00	4.98
103	Benzaldehyde	1.069	1.319	-23.4	149	0.00	4.64
106	Phenanthrene-d10a	1.000	1.000	0.0	110	-0.01	10.44
107	Atrazine	0.104	0.137	-31.7#	134	0.00	10.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:24:54 2014 MS3E

8.7.10

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2648-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61422.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2648\3E61422.D Vial: 3
Acq On : 5 Jun 2014 1:05 pm Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2648, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	4.98
2	t	1,4-Dioxane	0.721	0.776	-7.6	142	0.01	2.59
6	t	Indene	2.659	2.830	-6.4	140	0.00	5.19
7	t	Cumene	3.746	3.688	1.5	129	0.00	4.37
13	t	Decane	1.623	1.556	4.1	124	0.00	4.84
18	t	Acetophenone	2.102	2.052	2.4	128	0.00	5.30
24	I	Naphthalene-d8	1.000	1.000	0.0	143	0.00	6.12
27	t	Quinoline	0.796	0.679	14.7	135	0.00	6.49
40	t	2,3-Dichloroaniline	0.376	0.258	31.4#	107	0.00	7.24
41	t	Caprolactam	0.181	0.137	24.3	109	0.01	6.53
45	t	1-Methylnaphthalene	0.687	0.562	18.2	129	0.00	7.02
46	t	Dimethylnaphthalene	0.686	0.570	16.9	131	0.00	7.68
47	I	Acenaphthene-d10	1.000	1.000	0.0	118	-0.01	8.25
53	t	Biphenyl	1.723	1.777	-3.1	130	0.00	7.48
69	I	Phenanthrene-d10	1.000	1.000	0.0	115	-0.01	10.44
82	t	Octadecane	0.637	0.674	-5.8	114	0.00	10.38
92	I	Perylene-d12	1.000	1.000	0.0	107	-0.02	16.77
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	52.350	-4.7	120	0.00	16.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:21:16 2014 MS3E

8.7.11

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2669-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62285.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2669\3E62285.D Vial: 2
Acq On : 19 Jun 2014 11:47 am Operator: olgaa
Sample : cc2646-25 Inst : MS3E
Misc : op75640,e3e2669, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
Last Update : Tue Jun 17 16:19:44 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	112	-0.04	4.80
2	t	1,4-Dioxane	0.721	0.516	28.4#	86	-0.04	2.38
3	t	Pyridine	1.772	1.351	23.8#	88	-0.03	2.72
4	t	N-Nitrosodimethylamine	0.985	0.737	25.2#	81	-0.04	2.67
5	S	2-Fluorophenol	1.352	1.205	10.9	93	-0.04	3.83
6	t	Indene	2.659	2.780	-4.6	119	-0.04	5.00
7	t	Cumene	3.746	3.906	-4.3	119	-0.03	4.20
8	S	Phenol-d5	1.675	1.521	9.2	95	-0.03	4.53
9	t	Phenol	1.930	1.768	8.4	101	-0.03	4.54
10		Aniline	2.055	1.604	21.9#	81	-0.03	4.56
11	t	bis(2-Chloroethyl)ether	1.358	1.212	10.8	97	-0.04	4.59
12	t	2-Chlorophenol	1.498	1.463	2.3	106	-0.04	4.65
13	t	Decane	1.623	2.037	-25.5#	141	-0.03	4.67
14	t	1,3-Dichlorobenzene	1.601	1.543	3.6	104	-0.04	4.76
15	t	1,4-Dichlorobenzene	1.591	1.563	1.8	106	-0.03	4.82
16	t	Benzyl alcohol	0.962	0.902	6.2	99	-0.03	4.91
17	t	1,2-Dichlorobenzene	1.475	1.456	1.3	107	-0.03	4.94
18	t	Acetophenone	2.102	2.202	-4.8	120	-0.04	5.12
19	t	2-Methylphenol	1.278	1.246	2.5	105	-0.04	5.00
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.491	2.6	105	-0.04	5.01
21	t	3&4-Methylphenol	1.355	1.307	3.5	100	-0.03	5.13
22	t	n-Nitroso-di-n-propylamin	0.933	1.005	-7.7	112	-0.04	5.12
23	t	Hexachloroethane	0.436	0.484	-11.0	119	-0.04	5.21
24	I	Naphthalene-d8	1.000	1.000	0.0	113	-0.04	5.91
25	S	Nitrobenzene-d5	0.347	0.369	-6.3	115	-0.04	5.25
26	t	Nitrobenzene	0.389	0.392	-0.8	109	-0.04	5.27
27	t	Quinoline	0.796	0.781	1.9	119	-0.04	6.28
28	t	Isophorone	0.666	0.633	5.0	102	-0.04	5.47
29	t	2-Nitrophenol	0.187	0.208	-11.2	118	-0.04	5.55
30	t	2,4-Dimethylphenol	0.294	0.312	-6.1	107	-0.03	5.59
		---------- True	Calc.	% Drift	----------			
31	t	Benzoic acid	25.000	25.762	-3.0	127	-0.03	5.68
		---------- AvgRF	CCRF	% Dev	----------			
32	t	bis(2-Chloroethoxy)methan	0.399	0.363	9.0	101	-0.04	5.66
33	t	2,4-Dichlorophenol	0.275	0.274	0.4	109	-0.04	5.78
34	t	2,6-Dichlorophenol	0.267	0.273	-2.2	113	-0.04	5.99
35		1,3,5-Trichlorobenzene	0.360	0.362	-0.6	124	-0.04	5.56
36	t	1,2,4-Trichlorobenzene	0.302	0.293	3.0	109	-0.04	5.86
37		1,2,3-Trichlorobenzene	0.317	0.324	-2.2	125	-0.04	6.08

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2669-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62285.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.081	1.031	4.6	107	-0.04	5.93
39	t	4-Chloroaniline	0.452	0.411	9.1	96	-0.04	5.98
40	t	2,3-Dichloroaniline	0.376	0.396	-5.3	125	-0.04	7.02
41	t	Caprolactam	0.181	0.198	-9.4	127	-0.04	6.35
42	t	Hexachlorobutadiene	0.138	0.158	-14.5	129	-0.04	6.06
43	t	4-Chloro-3-methylphenol	0.292	0.301	-3.1	111	-0.04	6.51
44	t	2-Methylnaphthalene	0.629	0.616	2.1	108	-0.05	6.67
45	t	1-Methylnaphthalene	0.687	0.705	-2.6	124	-0.05	6.79
46	t	Dimethylnaphthalene	0.686	0.710	-3.5	124	-0.04	7.45
47	I	Acenaphthene-d10	1.000	1.000	0.0	118	-0.05	8.01
48	t	Hexachlorocyclopentadiene	0.273	0.194	28.9#	80	-0.05	6.87
49	t	2,4,6-Trichlorophenol	0.315	0.336	-6.7	119	-0.05	7.02
50	t	2,4,5-Trichlorophenol	0.330	0.340	-3.0	115	-0.05	7.07
51	S	2-Fluorobiphenyl	1.227	1.200	2.2	111	-0.04	7.12
52	t	2-Chloronaphthalene	1.132	1.071	5.4	108	-0.05	7.27
53	t	Biphenyl	1.723	1.719	0.2	125	-0.04	7.25
54	t	2-Nitroaniline	0.357	0.378	-5.9	118	-0.05	7.41
55	t	Dimethylphthalate	1.200	1.209	-0.8	118	-0.05	7.65
56	t	Acenaphthylene	1.840	1.802	2.1	111	-0.05	7.81
		----------	True	Calc.	% Drift		----------	
57	t	2,6-Dinitrotoluene	25.000	26.468	-5.9	127	-0.05	7.73
		----------	AvgRF	CCRF	% Dev		----------	
58	t	3-Nitroaniline	0.328	0.340	-3.7	109	-0.05	7.96
59	t	Acenaphthene	1.178	1.126	4.4	110	-0.05	8.05
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	50.000	59.930	-19.9	159	-0.05	8.12
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.168	0.173	-3.0	122	-0.05	8.24
62	t	Dibenzofuran	1.570	1.532	2.4	115	-0.05	8.29
		----------	True	Calc.	% Drift		----------	
63	t	2,4-Dinitrotoluene	25.000	26.671	-6.7	126	-0.05	8.30
		----------	AvgRF	CCRF	% Dev		----------	
64		2,3,4,6-Tetrachlorophenol	0.233	0.264	-13.3	122	-0.05	8.49
65	t	Diethylphthalate	1.186	1.244	-4.9	119	-0.05	8.65
66	t	Fluorene	1.297	1.252	3.5	110	-0.05	8.79
67	t	4-Chlorophenyl-phenylethe	0.534	0.538	-0.7	118	-0.05	8.80
68	t	4-Nitroaniline	0.336	0.315	6.3	97	-0.05	8.83
69	I	Phenanthrene-d10	1.000	1.000	0.0	125	-0.05	10.19
70	t	4,6-Dinitro-2-methylpheno	0.110	0.130	-18.2	157	-0.05	8.90
71	t	n-Nitrosodiphenylamine	0.567	0.539	4.9	114	-0.05	8.98
72	t	1,2-Diphenylhydrazine	0.900	0.827	8.1	106	-0.05	9.03
73	S	2,4,6-Tribromophenol	0.070	0.077	-10.0	121	-0.05	9.14
74	t	4-Bromophenyl-phenylether	0.186	0.181	2.7	118	-0.05	9.52
75	t	Hexachlorobenzene	0.196	0.185	5.6	115	-0.05	9.62
76	t	Pentachlorophenol	0.119	0.118	0.8	117	-0.05	9.93
77	t	Phenanthrene	1.128	1.043	7.5	112	-0.05	10.23
78	t	Anthracene	1.103	1.042	5.5	110	-0.05	10.31
79	t	Carbazole	1.224	1.181	3.5	124	-0.05	10.58
80	t	Di-n-butylphthalate	1.260	1.296	-2.9	118	-0.05	11.19
81	t	Fluoranthene	1.146	1.100	4.0	113	-0.05	12.10
82	t	Octadecane	0.637	0.670	-5.2	127	-0.05	10.12

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2669-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62285.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	120	-0.05	14.39
84	t	Pyrene	1.367	1.340	2.0	113	-0.05	12.45
85	S	Terphenyl-d14	0.846	0.809	4.4	109	-0.05	12.75
		----------	True	Calc.	% Drift	----------		
86	t	Butylbenzylphthalate	25.000	24.045	3.8	121	-0.04	13.57
		----------	AvgRF	CCRF	% Dev	----------		
87		Butyl stearate	0.444	0.473	-6.5	115	-0.05	13.73
88	t	Benzo[a]anthracene	1.237	1.121	9.4	107	-0.05	14.38
89	t	3,3'-Dichlorobenzidine	0.434	0.419	3.5	113	-0.05	14.37
90	t	Chrysene	1.017	0.960	5.6	108	-0.05	14.43
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.916	-11.6	126	-0.04	14.53
92	I	Perylene-d12	1.000	1.000	0.0	95	-0.05	16.52
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	25.000	30.277	-21.1#	125	-0.04	15.52
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.351	1.439	-6.5	95	-0.05	15.99
95	t	Benzo[k]fluoranthene	1.215	1.282	-5.5	94	-0.05	16.03
96	t	Benzo[a]pyrene	1.111	1.121	-0.9	89	-0.05	16.43
97	t	Indeno[1,2,3-cd]pyrene	1.135	0.971	14.4	76	-0.07	18.14
98	t	Dibenz(a,h)acridine	1.095	1.000	8.7	90	-0.06	17.76
99	t	Dibenz[a,h]anthracene	1.092	0.937	14.2	76	-0.07	18.17
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	25.000	25.365	-1.5	96	-0.05	15.99
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.099	0.929	15.5	76	-0.08	18.60

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61818.D M3E2646.M Fri Jun 20 15:10:01 2014 MS3E

8.7.12

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2669-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62286.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2669\3E62286.D Vial: 3
Acq On : 19 Jun 2014 12:14 pm Operator: olgaa
Sample : cc2647-25 Inst : MS3E
Misc : op75640,e3e2669, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoMon Jun 23 09:46:00 2014
Last Update : Mon Jun 23 09:46:00 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 : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	124	-0.04	4.80
103	Benzaldehyde	1.069	0.929	13.1	98	-0.04	4.47
104	Acenaphthene-d10a	1.000	1.000	0.0	126	-0.05	8.01
105	1,2,4,5-Tetrachlorobenzen	0.486	0.495	-1.9	127	-0.22	6.88
106	Phenanthrene-d10a	1.000	1.000	0.0	130	-0.05	10.19
107	Atrazine	0.104	0.120	-15.4	136	-0.04	9.82
108 I	Chrysene-d12a	1.000	1.000	0.0	134	-0.06	14.39
109 T	benzidine	0.736	0.466	36.7#	71	-0.05	12.35

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61818.D M3E2646.M Mon Jun 23 17:06:09 2014 MS3E

8.7.13

8

Initial Calibration Summary

Job Number: JB69534 **Sample:** E3E2680-ICC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62578.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 09:24:59 2014
Last Update : Fri Jun 27 09:24:59 2014
Response via : Initial Calibration

Calibration Files
2 =3E62573.D 5 =3E62574.D 25 =3E62579.D 80 =3E62576.D
100 =3E62577.D 50 =3E62578.D 1 =3E62572.D 10 =3E62575.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.472	0.533	0.480	0.474	0.468	0.457	0.533	0.479	0.487	5.99
3) Pyridine	1.122	1.321	1.199	1.171	1.178	1.109	1.198	1.238	1.192	5.61
4) N-Nitrosodim	0.624	0.689	0.658	0.675	0.650	0.644	0.733	0.698	0.671	5.18
5) 2-Fluorophen	1.301	1.348	1.237	1.300	1.277	1.227	1.389	1.309	1.298	4.14
6) Indene	2.666	2.745	2.461	2.511	2.453	2.381	2.733	2.731	2.585	5.75
7) Cumene	3.753	3.757	3.387	3.314	3.146	3.241	3.693	3.670	3.495	7.13
8) Phenol-d5	1.603	1.723	1.580	1.629	1.609	1.534	1.599	1.675	1.619	3.58
9) Phenol	1.916	1.995	1.699	1.759	1.736	1.680	2.018	1.925	1.841	7.45
10) Aniline	2.096	2.046	2.009	1.660	1.593	1.965	2.011	2.007	1.923	9.77
11) bis(2-Chloro	1.299	1.245	1.163	1.164	1.127	1.119	1.200	1.218	1.192	5.12
12) 2-Chlorophen	1.661	1.616	1.491	1.508	1.470	1.458	1.623	1.615	1.555	5.22
13) Decane	1.040	1.147	0.959	1.004	0.956	0.928	1.252	1.025	1.039	10.56
14) 1,3-Dichloro	1.843	1.832	1.664	1.686	1.640	1.614	1.852	1.786	1.740	5.69
15) 1,4-Dichloro	1.830	1.906	1.654	1.702	1.657	1.633	1.748	1.818	1.743	5.70
16) Benzyl alcoh	1.023	1.002	0.893	0.963	0.951	0.896	0.946	0.970	0.956	4.79
17) 1,2-Dichloro	1.747	1.774	1.575	1.613	1.551	1.512	1.723	1.717	1.651	6.08
18) Acetophenone	2.095	2.155	1.920	2.015	1.962	1.875	2.131	2.061	2.027	5.00
19) 2-Methylphen	1.324	1.320	1.269	1.254	1.240	1.228	1.178	1.235	1.256	3.86
20) 2,2'-oxybis(	0.535	0.558	0.500	0.521	0.517	0.481	0.593	0.518	0.528	6.58
21) 3&4-Methylph	1.302	1.451	1.363	1.370	1.356	1.294	1.187	1.341	1.333	5.72
22) n-Nitroso-di	0.877	0.937	0.845	0.879	0.850	0.834	0.941	0.881	0.881	4.55
23) Hexachloroet	0.546	0.570	0.515	0.528	0.517	0.494	0.537	0.546	0.532	4.42
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.381	0.375	0.358	0.353	0.341	0.334	0.376	0.374	0.362	4.84
26) Nitrobenzene	0.398	0.395	0.355	0.369	0.353	0.343	0.382	0.381	0.372	5.40
27) Quinoline	0.800	0.864	0.770	0.797	0.775	0.735	0.818	0.802	0.795	4.77
28) Isophorone	0.645	0.701	0.613	0.611	0.592	0.588	0.689	0.647	0.636	6.68
29) 2-Nitropheno	0.229	0.240	0.218	0.235	0.230	0.212	0.232	0.234	0.229	4.09
30) 2,4-Dimethyl	0.306	0.336	0.357	0.351	0.343	0.343	0.291	0.311	0.330	7.26
31) Benzoic acid	0.253	0.290	0.281	0.308	0.293	0.284	0.231	0.275	0.277	8.75
32) bis(2-Chloro	0.362	0.379	0.351	0.354	0.346	0.334	0.371	0.365	0.358	4.02
33) 2,4-Dichloro	0.324	0.328	0.304	0.316	0.310	0.295	0.320	0.322	0.315	3.56
34) 2,6-Dichloro	0.323	0.342	0.308	0.319	0.310	0.293	0.323	0.315	0.316	4.45
35) 1,3,5-Trichl	0.369	0.383	0.340	0.350	0.341	0.323	0.394	0.369	0.359	6.75
36) 1,2,4-Trichl	0.343	0.350	0.313	0.330	0.319	0.306	0.338	0.336	0.329	4.63
37) 1,2,3-Trichl	0.330	0.349	0.317	0.331	0.315	0.303	0.331	0.332	0.326	4.32
38) Naphthalene	1.218	1.246	1.117	1.088	1.037	1.062	1.271	1.189	1.153	7.72
39) 4-Chloroanil	0.473	0.513	0.484	0.456	0.442	0.463	0.492	0.493	0.477	4.77
40) 2,3-Dichloro	0.388	0.421	0.376	0.395	0.384	0.367	0.403	0.399	0.392	4.25
41) Caprolactam	0.107	0.124	0.111	0.118	0.114	0.108	0.111	0.120	0.114	5.27
42) Hexachlorobu	0.187	0.179	0.163	0.172	0.164	0.152	0.177	0.171	0.170	6.38
43) 4-Chloro-3-m	0.334	0.355	0.317	0.332	0.320	0.303	0.367	0.333	0.333	6.19
44) 2-Methylnaph	0.691	0.740	0.661	0.680	0.646	0.636	0.707	0.709	0.684	5.12
45) 1-Methylnaph	0.711	0.767	0.666	0.682	0.646	0.644	0.767	0.731	0.702	7.13

8.7.14
8

Initial Calibration Summary

Job Number: JB69534 **Sample:** E3E2680-ICC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62578.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46) Dimethylnaph 0.701 0.735 0.678 0.698 0.675 0.649 0.725 0.706 0.696 4.02

47) I Acenaphthene-d10 ----------ISTD----------
48) Hexachlorocy 0.047 0.092 0.166 0.231 0.236 0.193 0.133 0.157 45.11
----- Linear regression ----- Coefficient = 0.9937
Response Ratio = -0.05705 + 0.24175 *A

49) 2,4,6-Trichl 0.343 0.372 0.348 0.370 0.361 0.340 0.392 0.373 0.362 4.91
50) 2,4,5-Trichl 0.356 0.377 0.384 0.396 0.375 0.368 0.387 0.387 0.379 3.32
51) 2-Fluorobiph 1.417 1.403 1.337 1.309 1.258 1.281 1.402 1.358 1.346 4.45
52) 2-Chloronaph 1.284 1.355 1.208 1.237 1.181 1.159 1.295 1.310 1.253 5.45
53) Biphenyl 1.751 1.807 1.650 1.658 1.593 1.569 1.772 1.756 1.695 5.22
54) 2-Nitroanili 0.353 0.353 0.337 0.350 0.335 0.306 0.376 0.364 0.347 6.13
55) Dimethylphth 1.368 1.431 1.355 1.335 1.276 1.279 1.394 1.419 1.357 4.30
56) Acenaphthyle 2.042 2.153 2.002 1.982 1.881 1.923 2.083 2.125 2.024 4.70
57) 2,6-Dinitrot 0.339 0.352 0.332 0.354 0.344 0.324 0.363 0.345 0.344 3.64
58) 3-Nitroanili 0.358 0.394 0.383 0.405 0.397 0.368 0.371 0.397 0.384 4.35
59) Acenaphthene 1.291 1.384 1.231 1.271 1.207 1.200 1.421 1.331 1.292 6.32
60) 2,4-Dinitrop 0.130 0.169 0.220 0.219 0.187 0.158 0.180 19.77
61) 4-Nitropheno 0.153 0.163 0.159 0.169 0.169 0.157 0.170 0.172 0.164 4.17
62) Dibenzofuran 1.802 1.851 1.706 1.708 1.643 1.603 1.829 1.819 1.745 5.32
63) 2,4-Dinitrot 0.438 0.452 0.444 0.476 0.455 0.437 0.482 0.471 0.457 3.82
64) 2,3,4,6-Tetr 0.269 0.298 0.278 0.299 0.293 0.271 0.278 0.288 0.284 4.22
65) Diethylphtha 1.395 1.452 1.330 1.324 1.268 1.267 1.493 1.380 1.364 6.01
66) Fluorene 1.392 1.474 1.389 1.430 1.365 1.328 1.483 1.459 1.415 3.93
67) 4-Chlorophen 0.604 0.653 0.600 0.620 0.599 0.571 0.626 0.613 0.611 3.93
68) 4-Nitroanili 0.355 0.386 0.369 0.403 0.392 0.374 0.365 0.391 0.379 4.26

69) I Phenanthrene-d10 ----------ISTD----------
70) 4,6-Dinitro- 0.122 0.149 0.175 0.175 0.156 0.143 0.153 13.24
71) n-Nitrosodip 0.644 0.651 0.620 0.610 0.594 0.592 0.663 0.636 0.626 4.20
72) 1,2-Diphenyl 0.780 0.849 0.791 0.788 0.768 0.753 0.776 0.829 0.792 4.04
73) 2,4,6-Tribro 0.085 0.096 0.091 0.092 0.091 0.086 0.084 0.089 0.089 4.57
74) 4-Bromopheny 0.206 0.218 0.204 0.208 0.206 0.197 0.218 0.207 0.208 3.49
75) Hexachlorobe 0.222 0.233 0.208 0.215 0.208 0.197 0.227 0.215 0.216 5.39
76) Pentachlorop 0.103 0.114 0.119 0.136 0.137 0.123 0.104 0.118 0.119 10.73
77) Phenanthrene 1.310 1.333 1.240 1.207 1.180 1.175 1.339 1.297 1.260 5.40
78) Anthracene 1.285 1.352 1.287 1.229 1.186 1.218 1.374 1.311 1.280 5.14
79) Carbazole 1.231 1.320 1.212 1.185 1.153 1.150 1.317 1.255 1.228 5.41
80) Di-n-butylph 1.413 1.486 1.442 1.379 1.351 1.389 1.465 1.465 1.424 3.38
81) Fluoranthene 1.243 1.316 1.241 1.234 1.214 1.182 1.366 1.277 1.259 4.67
82) Octadecane 0.404 0.447 0.415 0.416 0.404 0.390 0.437 0.432 0.418 4.60

83) I Chrysene-d12 ----------ISTD----------
84) Pyrene 1.427 1.509 1.439 1.374 1.287 1.362 1.463 1.492 1.419 5.24
85) Terphenyl-d1 0.884 0.943 0.899 0.877 0.840 0.875 0.890 0.916 0.890 3.42
86) Butylbenzylp 0.660 0.716 0.685 0.686 0.657 0.679 0.720 0.694 0.687 3.33
87) Butyl steara 0.305 0.310 0.442 0.305 0.293 0.431 0.317 0.319 0.340 17.63
88) Benzo[a]anth 1.283 1.313 1.228 1.203 1.154 1.179 1.454 1.285 1.262 7.56
89) 3,3'-Dichlor 0.411 0.452 0.449 0.460 0.448 0.442 0.426 0.452 0.442 3.65
90) Chrysene 1.115 1.213 1.140 1.099 1.033 1.085 1.286 1.195 1.146 7.10
91) bis(2-Ethylh 0.932 0.998 0.985 0.962 0.923 0.968 1.038 1.010 0.977 3.96

92) I Perylene-d12 ----------ISTD----------
93) Di-n-octylph 1.864 2.014 1.874 2.003 1.963 1.862 2.066 1.979 1.953 3.98
94) Benzo[b]fluo 1.341 1.465 1.364 1.468 1.461 1.330 1.523 1.427 1.422 4.89
95) Benzo[k]fluo 1.388 1.425 1.289 1.375 1.333 1.243 1.387 1.389 1.354 4.50
96) Benzo[a]pyre 1.215 1.290 1.203 1.251 1.217 1.154 1.303 1.232 1.233 3.90
97) Indeno[1,2,3 1.398 1.548 1.390 1.493 1.477 1.348 1.520 1.479 1.457 4.79
98) Dibenz(a,h)a 1.070 1.138 1.042 1.129 1.119 1.011 1.109 1.108 1.091 4.16

Initial Calibration Summary

Job Number: JB69534 **Sample:** E3E2680-ICC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62578.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 99) Dibenz[a,h]a 1.187 1.254 1.152 1.251 1.238 1.129 1.326 1.226 1.221   5.16
100) 7,12-Dimethy 0.294 0.412 0.681 0.729 0.732 0.674       0.525 0.578  29.73
             ----- Linear regression -----  Coefficient =  0.9991
               Response Ratio = -0.04497 + 0.74519 *A

101) Benzo[g,h,i] 1.138 1.230 1.101 1.173 1.154 1.066 1.286 1.166 1.164   5.96
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3E2680.M         Fri Jun 27 10:09:17 2014   MS3E
```

8.7.14
8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62582.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62582.D Vial: 2
Acq On : 27 Jun 2014 9:29 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,acid Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00	4.71
9	t	Phenol	1.841	1.526	17.1	112	0.00	4.47
12	t	2-Chlorophenol	1.555	1.394	10.4	118	0.00	4.56
19	t	2-Methylphenol	1.256	1.174	6.5	118	0.00	4.92
21	t	3&4-Methylphenol	1.333	1.212	9.1	116	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	120	0.00	5.80
29	t	2-Nitrophenol	0.229	0.214	6.6	120	0.00	5.45
30	t	2,4-Dimethylphenol	0.330	0.354	-7.3	123	0.00	5.49
31	t	Benzoic acid	0.277	0.247	10.8	104	0.01	5.64
33	t	2,4-Dichlorophenol	0.315	0.296	6.0	120	0.00	5.68
34	t	2,6-Dichlorophenol	0.316	0.290	8.2	118	0.00	5.89
43	t	4-Chloro-3-methylphenol	0.333	0.302	9.3	119	-0.01	6.41
47	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	7.88
49	t	2,4,6-Trichlorophenol	0.362	0.351	3.0	120	0.00	6.91
50	t	2,4,5-Trichlorophenol	0.379	0.363	4.2	115	-0.01	6.96
60	t	2,4-Dinitrophenol	0.180	0.142	21.1	88	0.00	8.01
61	t	4-Nitrophenol	0.164	0.148	9.8	109	0.00	8.14
64		2,3,4,6-Tetrachlorophenol	0.284	0.261	8.1	112	0.00	8.37
69	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00	10.06
70	t	4,6-Dinitro-2-methylpheno	0.153	0.145	5.2	102	0.00	8.79
76	t	Pentachlorophenol	0.119	0.124	-4.2	110	0.00	9.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:04 2014 MS3E

8.7.15
8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62584.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62584.D Vial: 4
Acq On : 27 Jun 2014 10:23 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,bn2 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	166	0.00	4.71
2	t	1,4-Dioxane	0.487	0.489	-0.4	178	0.02	2.29
6	t	Indene	2.585	2.560	1.0	179	0.00	4.91
7	t	Cumene	3.495	3.381	3.3	174	0.00	4.12
13	t	Decane	1.039	0.996	4.1	179	0.00	4.59
18	t	Acetophenone	2.027	1.920	5.3	170	0.00	5.03
24	I	Naphthalene-d8	1.000	1.000	0.0	164	0.00	5.81
27	t	Quinoline	0.795	0.747	6.0	167	0.00	6.17
40	t	2,3-Dichloroaniline	0.392	0.314	19.9	141	0.00	6.90
41	t	Caprolactam	0.114	0.103	9.6	156	-0.02	6.25
45	t	1-Methylnaphthalene	0.702	0.646	8.0	165	0.00	6.68
46	t	Dimethylnaphthalene	0.696	0.655	5.9	166	0.00	7.33
47	I	Acenaphthene-d10	1.000	1.000	0.0	156	0.00	7.88
53	t	Biphenyl	1.695	1.659	2.1	165	0.00	7.12
69	I	Phenanthrene-d10	1.000	1.000	0.0	146	0.00	10.06
82	t	Octadecane	0.418	0.445	-6.5	167	0.00	9.99
83	I	Chrysene-d12	1.000	1.000	0.0	131	0.00	14.25
92	I	Perylene-d12	1.000	1.000	0.0	122	0.00	16.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 15:34:08 2014 MS3E

8.7.16

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62585.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62585.D Vial: 5
Acq On : 27 Jun 2014 10:50 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,aniline Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	125	0.00	4.72
3	t	Pyridine	1.192	1.398	-17.3	158	0.12	2.72
10		Aniline	1.923	2.130	-10.8	136	0.00	4.48
16	t	Benzyl alcohol	0.956	0.956	0.0	134	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	132	0.00	5.81
39	t	4-Chloroaniline	0.477	0.451	5.5	128	0.00	5.88
44	t	2-Methylnaphthalene	0.684	0.643	6.0	133	0.00	6.56
47	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.00	7.88
54	t	2-Nitroaniline	0.347	0.305	12.1	129	0.00	7.29
58	t	3-Nitroaniline	0.384	0.344	10.4	121	0.00	7.85
62	t	Dibenzofuran	1.745	1.640	6.0	132	0.00	8.17
68	t	4-Nitroaniline	0.379	0.326	14.0	113	0.00	8.72
69	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.00	10.06
79	t	Carbazole	1.228	1.101	10.3	118	0.00	10.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:05 2014 MS3E

8.7.17

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62586.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62586.D Vial: 6
Acq On : 27 Jun 2014 11:16 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,surr Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	145	0.00	4.71
5	S	2-Fluorophenol	1.298	1.084	16.5	128	0.00	3.75
8	S	Phenol-d5	1.619	1.264	21.9	120	0.00	4.46
24	I	Naphthalene-d8	1.000	1.000	0.0	137	0.00	5.80
25	S	Nitrobenzene-d5	0.362	0.307	15.2	126	0.00	5.15
47	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00	7.88
51	S	2-Fluorobiphenyl	1.346	1.120	16.8	115	0.00	7.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00	10.06
73	S	2,4,6-Tribromophenol	0.089	0.075	15.7	109	0.00	9.02
83	I	Chrysene-d12	1.000	1.000	0.0	116	0.00	14.25
85	S	Terphenyl-d14	0.890	0.787	11.6	104	0.00	12.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:06 2014 MS3E

8.7.18

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62587.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62587.D Vial: 7
Acq On : 27 Jun 2014 11:43 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,ben Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	112	0.00	14.25
89 t	3,3'-Dichlorobenzidine	0.442	0.376	14.9	95	0.00	14.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:07 2014 MS3E

8.7.19

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62588.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62588.D Vial: 8
Acq On : 27 Jun 2014 12:13 pm Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,ben Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	151	0.00	4.71
4	t	N-Nitrosodimethylamine	0.671	0.587	12.5	138	0.02	2.58
11	t	bis(2-Chloroethyl)ether	1.192	1.028	13.8	139	0.00	4.51
14	t	1,3-Dichlorobenzene	1.740	1.418	18.5	133	0.00	4.67
15	t	1,4-Dichlorobenzene	1.743	1.407	19.3	130	0.00	4.73
17	t	1,2-Dichlorobenzene	1.651	1.310	20.7	131	0.00	4.84
20	t	2,2'-oxybis(1-Chloropropa	0.528	0.425	19.5	134	0.00	4.92
22	t	n-Nitroso-di-n-propylamin	0.881	0.713	19.1	129	0.00	5.03
23	t	Hexachloroethane	0.532	0.438	17.7	134	0.00	5.11
24	I	Naphthalene-d8	1.000	1.000	0.0	141	0.00	5.81
26	t	Nitrobenzene	0.372	0.301	19.1	123	0.00	5.18
28	t	Isophorone	0.636	0.511	19.7	123	0.00	5.37
32	t	bis(2-Chloroethoxy)methan	0.358	0.323	9.8	136	0.00	5.56
36	t	1,2,4-Trichlorobenzene	0.329	0.274	16.7	126	0.00	5.75
38	t	Naphthalene	1.153	0.937	18.7	124	0.00	5.83
42	t	Hexachlorobutadiene	0.170	0.143	15.9	132	0.00	5.95
47	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00	7.88
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	50.000	38.171	23.7	96	0.00	6.75
		----------	AvgRF	CCRF	% Dev	----------		
52	t	2-Chloronaphthalene	1.253	1.042	16.8	120	0.00	7.15
55	t	Dimethylphthalate	1.357	1.134	16.4	118	0.00	7.53
56	t	Acenaphthylene	2.024	1.432	29.2	99	0.00	7.68
57	t	2,6-Dinitrotoluene	0.344	0.267	22.4	110	0.00	7.62
59	t	Acenaphthene	1.292	1.104	14.6	122	0.00	7.93
63	t	2,4-Dinitrotoluene	0.457	0.344	24.7	105	0.00	8.19
65	t	Diethylphthalate	1.364	1.119	18.0	117	0.00	8.53
66	t	Fluorene	1.415	1.180	16.6	118	0.00	8.66
67	t	4-Chlorophenyl-phenylethe	0.611	0.527	13.7	123	0.00	8.67
69	I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00	10.06
71	t	n-Nitrosodiphenylamine	0.626	0.538	14.1	113	0.00	8.85
72	t	1,2-Diphenylhydrazine	0.792	0.706	10.9	117	0.00	8.90
74	t	4-Bromophenyl-phenylether	0.208	0.185	11.1	118	0.00	9.40

Initial Calibration Verification

Job Number: JB69534 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62588.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

75	t	Hexachlorobenzene	0.216	0.180	16.7	114	0.00	9.49
77	t	Phenanthrene	1.260	1.046	17.0	111	0.00	10.10
78	t	Anthracene	1.280	1.068	16.6	110	0.00	10.18
80	t	Di-n-butylphthalate	1.424	1.229	13.7	111	0.00	11.06
81	t	Fluoranthene	1.259	1.040	17.4	110	0.00	11.96
83	I	Chrysene-d12	1.000	1.000	0.0	120	0.00	14.26
84	t	Pyrene	1.419	1.209	14.8	107	0.00	12.32
86	t	Butylbenzylphthalate	0.687	0.597	13.1	106	0.00	13.44
88	t	Benzo[a]anthracene	1.262	1.018	19.3	104	0.00	14.24
90	t	Chrysene	1.146	0.984	14.1	109	0.00	14.30
91	t	bis(2-Ethylhexyl)phthalat	0.977	0.844	13.6	105	0.00	14.39
92	I	Perylene-d12	1.000	1.000	0.0	114	0.00	16.38
93	t	Di-n-octylphthalate	1.953	1.689	13.5	103	0.00	15.38
94	t	Benzo[b]fluoranthene	1.422	1.131	20.5	97	0.00	15.86
95	t	Benzo[k]fluoranthene	1.354	1.113	17.8	102	0.00	15.90
96	t	Benzo[a]pyrene	1.233	1.037	15.9	102	0.00	16.31
97	t	Indeno[1,2,3-cd]pyrene	1.457	1.168	19.8	99	0.00	17.96
99	t	Dibenz[a,h]anthracene	1.221	0.999	18.2	101	0.00	17.99
101	t	Benzo[g,h,i]perylene	1.164	0.972	16.5	104	0.00	18.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:46:03 2014 MS3E

8.7.20

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2682-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62591.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2682\3E62591.D Vial: 2
Acq On : 27 Jun 2014 1:40 pm Operator: kristis
Sample : cc2680-50 Inst : MS3E
Misc : op75684,e3e2682,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 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	91	0.00	4.71
2	t	1,4-Dioxane	0.487	0.497	-2.1	99	0.00	2.26
3	t	Pyridine	1.192	1.218	-2.2	100	0.00	2.60
4	t	N-Nitrosodimethylamine	0.671	0.714	-6.4	101	0.00	2.56
5	S	2-Fluorophenol	1.298	1.221	5.9	91	0.00	3.75
6	t	Indene	2.585	2.409	6.8	92	0.00	4.91
7	t	Cumene	3.495	3.254	6.9	91	0.00	4.11
8	S	Phenol-d5	1.619	1.532	5.4	91	0.00	4.46
9	t	Phenol	1.841	1.700	7.7	92	0.00	4.47
10		Aniline	1.923	2.012	-4.6	93	0.00	4.47
11	t	bis(2-Chloroethyl)ether	1.192	1.148	3.7	93	0.00	4.51
12	t	2-Chlorophenol	1.555	1.442	7.3	90	0.00	4.56
13	t	Decane	1.039	0.979	5.8	96	0.00	4.58
14	t	1,3-Dichlorobenzene	1.740	1.608	7.6	91	0.00	4.67
15	t	1,4-Dichlorobenzene	1.743	1.647	5.5	92	0.00	4.73
16	t	Benzyl alcohol	0.956	0.877	8.3	89	0.00	4.83
17	t	1,2-Dichlorobenzene	1.651	1.533	7.1	92	0.00	4.84
18	t	Acetophenone	2.027	1.944	4.1	94	0.00	5.03
19	t	2-Methylphenol	1.256	1.252	0.3	93	0.00	4.92
20	t	2,2'-oxybis(1-Chloropropa	0.528	0.501	5.1	95	0.00	4.92
21	t	3&4-Methylphenol	1.333	1.341	-0.6	94	0.00	5.04
22	t	n-Nitroso-di-n-propylamin	0.881	0.883	-0.2	96	0.00	5.03
23	t	Hexachloroethane	0.532	0.503	5.5	93	0.00	5.11
24	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00	5.81
25	S	Nitrobenzene-d5	0.362	0.345	4.7	96	0.00	5.16
26	t	Nitrobenzene	0.372	0.347	6.7	94	0.00	5.18
27	t	Quinoline	0.795	0.741	6.8	94	0.00	6.18
28	t	Isophorone	0.636	0.597	6.1	95	0.00	5.38
29	t	2-Nitrophenol	0.229	0.210	8.3	92	0.00	5.45
30	t	2,4-Dimethylphenol	0.330	0.350	-6.1	95	0.00	5.49
31	t	Benzoic acid	0.277	0.283	-2.2	93	0.00	5.63
32	t	bis(2-Chloroethoxy)methan	0.358	0.340	5.0	95	0.00	5.57
33	t	2,4-Dichlorophenol	0.315	0.294	6.7	93	0.00	5.68
34	t	2,6-Dichlorophenol	0.316	0.298	5.7	95	0.00	5.89
35		1,3,5-Trichlorobenzene	0.359	0.330	8.1	95	0.00	5.46
36	t	1,2,4-Trichlorobenzene	0.329	0.306	7.0	93	0.00	5.75
37		1,2,3-Trichlorobenzene	0.326	0.310	4.9	95	0.00	5.97
38	t	Naphthalene	1.153	1.062	7.9	93	0.00	5.83
39	t	4-Chloroaniline	0.477	0.464	2.7	93	0.00	5.88
40	t	2,3-Dichloroaniline	0.392	0.370	5.6	94	0.00	6.90
41	t	Caprolactam	0.114	0.110	3.5	94	0.00	6.27

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2682-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62591.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.170	0.160	5.9	98	0.00	5.95
43	t	4-Chloro-3-methylphenol	0.333	0.308	7.5	95	0.00	6.42
44	t	2-Methylnaphthalene	0.684	0.648	5.3	95	0.00	6.56
45	t	1-Methylnaphthalene	0.702	0.654	6.8	95	0.00	6.67
46	t	Dimethylnaphthalene	0.696	0.663	4.7	95	0.00	7.33
47	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00	7.88
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	90.848	9.2	98	0.00	6.75
		----------	AvgRF	CCRF	% Dev	----------		
49	t	2,4,6-Trichlorophenol	0.362	0.340	6.1	96	0.00	6.91
50	t	2,4,5-Trichlorophenol	0.379	0.370	2.4	97	0.00	6.97
51	S	2-Fluorobiphenyl	1.346	1.264	6.1	95	0.00	7.00
52	t	2-Chloronaphthalene	1.253	1.161	7.3	96	0.00	7.15
53	t	Biphenyl	1.695	1.539	9.2	94	0.00	7.12
54	t	2-Nitroaniline	0.347	0.311	10.4	98	0.00	7.29
55	t	Dimethylphthalate	1.357	1.274	6.1	96	0.00	7.53
56	t	Acenaphthylene	2.024	1.889	6.7	94	0.00	7.68
57	t	2,6-Dinitrotoluene	0.344	0.316	8.1	94	0.00	7.62
58	t	3-Nitroaniline	0.384	0.359	6.5	94	0.00	7.85
59	t	Acenaphthene	1.292	1.193	7.7	96	0.00	7.93
60	t	2,4-Dinitrophenol	0.180	0.186	-3.3	96	0.00	8.02
61	t	4-Nitrophenol	0.164	0.154	6.1	94	0.00	8.15
62	t	Dibenzofuran	1.745	1.600	8.3	96	0.00	8.17
63	t	2,4-Dinitrotoluene	0.457	0.432	5.5	95	0.00	8.19
64		2,3,4,6-Tetrachlorophenol	0.284	0.274	3.5	97	0.00	8.37
65	t	Diethylphthalate	1.364	1.280	6.2	97	0.00	8.53
66	t	Fluorene	1.415	1.323	6.5	96	0.00	8.66
67	t	4-Chlorophenyl-phenylethe	0.611	0.578	5.4	97	0.00	8.67
68	t	4-Nitroaniline	0.379	0.364	4.0	94	0.00	8.73
69	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00	10.06
70	t	4,6-Dinitro-2-methylpheno	0.153	0.151	1.3	95	0.00	8.79
71	t	n-Nitrosodiphenylamine	0.626	0.579	7.5	95	0.00	8.86
72	t	1,2-Diphenylhydrazine	0.792	0.757	4.4	98	0.00	8.90
73	S	2,4,6-Tribromophenol	0.089	0.086	3.4	97	0.00	9.02
74	t	4-Bromophenyl-phenylether	0.208	0.201	3.4	100	0.00	9.40
75	t	Hexachlorobenzene	0.216	0.203	6.0	100	0.00	9.49
76	t	Pentachlorophenol	0.119	0.122	-2.5	96	0.00	9.81
77	t	Phenanthrene	1.260	1.176	6.7	97	0.00	10.10
78	t	Anthracene	1.280	1.229	4.0	98	0.00	10.18
79	t	Carbazole	1.228	1.159	5.6	98	0.00	10.46
80	t	Di-n-butylphthalate	1.424	1.360	4.5	95	0.00	11.06
81	t	Fluoranthene	1.259	1.175	6.7	97	0.00	11.96
82	t	Octadecane	0.418	0.398	4.8	99	0.00	9.99
83	I	Chrysene-d12	1.000	1.000	0.0	101	0.00	14.26
84	t	Pyrene	1.419	1.322	6.8	98	0.00	12.32
85	S	Terphenyl-d14	0.890	0.854	4.0	99	0.00	12.61
86	t	Butylbenzylphthalate	0.687	0.651	5.2	97	0.00	13.43
87		Butyl stearate	0.340	0.415	-22.1#	97	0.00	13.60
88	t	Benzo[a]anthracene	1.262	1.153	8.6	99	0.00	14.24
89	t	3,3'-Dichlorobenzidine	0.442	0.431	2.5	99	0.00	14.24
90	t	Chrysene	1.146	1.061	7.4	99	0.00	14.30
91	t	bis(2-Ethylhexyl)phthalat	0.977	0.932	4.6	97	0.00	14.39
92	I	Perylene-d12	1.000	1.000	0.0	100	0.00	16.38
93	t	Di-n-octylphthalate	1.953	1.804	7.6	97	0.00	15.38

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2682-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62591.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[b]fluoranthene	1.422	1.320	7.2	100	0.00	15.87
95	t	Benzo[k]fluoranthene	1.354	1.230	9.2	99	0.00	15.91
96	t	Benzo[a]pyrene	1.233	1.151	6.7	100	0.00	16.31
97	t	Indeno[1,2,3-cd]pyrene	1.457	1.363	6.5	102	0.00	17.96
98	t	Dibenz(a,h)acridine	1.091	1.021	6.4	102	0.00	17.60
99	t	Dibenz[a,h]anthracene	1.221	1.143	6.4	102	0.00	17.99
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	47.189	5.6	99	0.00	15.85
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.164	1.088	6.5	103	0.00	18.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 17:31:27 2014 MS3E

8.7.21
8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2682-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62592.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2682\3E62592.D Vial: 3
Acq On : 27 Jun 2014 2:08 pm Operator: kristis
Sample : cc2647-50 Inst : MS3E
Misc : op75684,e3e2682,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoMon Jun 30 16:37:42 2014
Last Update : Mon Jun 30 16:37:42 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	114	0.00	4.71
103	Benzaldehyde	1.069	1.051	1.7	106	0.00	4.38
104	Acenaphthene-d10a	1.000	1.000	0.0	122	0.00	7.88
105	1,2,4,5-Tetrachlorobenzen	0.486	0.476	2.1	121	0.00	6.76
106	Phenanthrene-d10a	1.000	1.000	0.0	125	0.00	10.06
107	Atrazine	0.104	0.120	-15.4	132	0.00	9.70
108 s	o-Terphenyl	0.525	0.563	-7.2	127	0.00	10.69
109 s	1-Chlorooctadecane	0.327	0.262	19.9	88	0.00	11.88
110 I	Chrysene-d12a	1.000	1.000	0.0	134	0.00	14.25
111 T	benzidine	0.736	0.716	2.7	119	0.00	12.22
112 I	Naphthalene-d8a	1.000	1.000	0.0	114	0.00	5.80
113 T	Hydroquinone	0.303	0.306	-1.0	102	0.00	6.25

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E62592.D M3E2680.M Mon Jun 30 16:38:23 2014 MS3E

8.7.22
8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2683-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62617.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2683\3E62617.D Vial: 2
Acq On : 28 Jun 2014 2:05 pm Operator: andrews1
Sample : cc2680-25 Inst : MS3E
Misc : op75684,e3e2683,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jul 03 11:45:03 2014
Last Update : Thu Jul 03 11:45:03 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	4.71
2	t	1,4-Dioxane	0.487	0.509	-4.5	117	0.00	2.26
3	t	Pyridine	1.192	1.317	-10.5	121	0.00	2.60
4	t	N-Nitrosodimethylamine	0.671	0.662	1.3	111	0.00	2.56
5	S	2-Fluorophenol	1.298	1.233	5.0	110	0.00	3.75
6	t	Indene	2.585	2.782	-7.6	124	0.00	4.91
7	t	Cumene	3.495	3.793	-8.5	123	0.00	4.11
8	S	Phenol-d5	1.619	1.510	6.7	105	0.00	4.46
9	t	Phenol	1.841	1.745	5.2	113	0.00	4.48
10		Aniline	1.923	1.541	19.9	84	0.00	4.46
11	t	bis(2-Chloroethyl)ether	1.192	1.147	3.8	108	0.00	4.51
12	t	2-Chlorophenol	1.555	1.451	6.7	107	0.00	4.57
13	t	Decane	1.039	1.095	-5.4	126	0.00	4.58
14	t	1,3-Dichlorobenzene	1.740	1.619	7.0	107	0.00	4.67
15	t	1,4-Dichlorobenzene	1.743	1.640	5.9	109	0.00	4.72
16	t	Benzyl alcohol	0.956	0.892	6.7	110	0.00	4.82
17	t	1,2-Dichlorobenzene	1.651	1.553	5.9	108	0.00	4.84
18	t	Acetophenone	2.027	2.162	-6.7	124	0.00	5.03
19	t	2-Methylphenol	1.256	1.215	3.3	105	0.00	4.92
20	t	2,2'-oxybis(1-Chloropropa	0.528	0.488	7.6	107	0.00	4.92
21	t	3&4-Methylphenol	1.333	1.283	3.8	104	0.00	5.05
22	t	n-Nitroso-di-n-propylamin	0.881	0.850	3.5	111	0.00	5.03
23	t	Hexachloroethane	0.532	0.494	7.1	105	0.00	5.11
24	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00	5.80
25	S	Nitrobenzene-d5	0.362	0.333	8.0	107	0.00	5.15
26	t	Nitrobenzene	0.372	0.345	7.3	112	0.00	5.17
27	t	Quinoline	0.795	0.820	-3.1	123	0.00	6.17
28	t	Isophorone	0.636	0.580	8.8	109	0.00	5.37
29	t	2-Nitrophenol	0.229	0.211	7.9	112	0.00	5.45
30	t	2,4-Dimethylphenol	0.330	0.293	11.2	95	0.00	5.50
31	t	Benzoic acid	0.277	0.264	4.7	108	-0.01	5.61
32	t	bis(2-Chloroethoxy)methan	0.358	0.330	7.8	108	0.00	5.56
33	t	2,4-Dichlorophenol	0.315	0.296	6.0	112	0.00	5.68
34	t	2,6-Dichlorophenol	0.316	0.287	9.2	107	0.00	5.89
35		1,3,5-Trichlorobenzene	0.359	0.371	-3.3	126	0.00	5.46
36	t	1,2,4-Trichlorobenzene	0.329	0.301	8.5	111	0.00	5.75
37		1,2,3-Trichlorobenzene	0.326	0.341	-4.6	124	0.00	5.97
38	t	Naphthalene	1.153	1.054	8.6	109	0.00	5.82
39	t	4-Chloroaniline	0.477	0.421	11.7	100	0.00	5.88
40	t	2,3-Dichloroaniline	0.392	0.402	-2.6	123	0.00	6.90
41	t	Caprolactam	0.114	0.126	-10.5	130	0.00	6.26

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2683-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62617.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.170	0.155	8.8	110	0.00	5.94
43	t	4-Chloro-3-methylphenol	0.333	0.310	6.9	113	0.00	6.42
44	t	2-Methylnaphthalene	0.684	0.629	8.0	110	0.00	6.56
45	t	1-Methylnaphthalene	0.702	0.719	-2.4	124	0.00	6.67
46	t	Dimethylnaphthalene	0.696	0.718	-3.2	122	0.00	7.33
47	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00	7.88
			True	Calc.	% Drift			
48	t	Hexachlorocyclopentadiene	50.000	38.752	22.5#	103	0.00	6.74
			AvgRF	CCRF	% Dev			
49	t	2,4,6-Trichlorophenol	0.362	0.331	8.6	115	0.00	6.92
50	t	2,4,5-Trichlorophenol	0.379	0.344	9.2	108	0.00	6.98
51	S	2-Fluorobiphenyl	1.346	1.172	12.9	106	0.00	7.00
52	t	2-Chloronaphthalene	1.253	1.112	11.3	111	0.00	7.15
53	t	Biphenyl	1.695	1.696	-0.1	124	0.00	7.12
54	t	2-Nitroaniline	0.347	0.314	9.5	112	0.00	7.30
55	t	Dimethylphthalate	1.357	1.242	8.5	111	0.00	7.53
56	t	Acenaphthylene	2.024	1.803	10.9	109	0.00	7.69
57	t	2,6-Dinitrotoluene	0.344	0.307	10.8	111	0.00	7.62
58	t	3-Nitroaniline	0.384	0.353	8.1	111	0.00	7.86
59	t	Acenaphthene	1.292	1.156	10.5	113	0.00	7.93
60	t	2,4-Dinitrophenol	0.180	0.152	15.6	108	0.01	8.03
61	t	4-Nitrophenol	0.164	0.150	8.5	113	0.03	8.18
62	t	Dibenzofuran	1.745	1.549	11.2	109	0.00	8.17
63	t	2,4-Dinitrotoluene	0.457	0.416	9.0	113	0.01	8.20
64		2,3,4,6-Tetrachlorophenol	0.284	0.250	12.0	108	0.01	8.38
65	t	Diethylphthalate	1.364	1.220	10.6	111	0.00	8.54
66	t	Fluorene	1.415	1.281	9.5	111	0.00	8.66
67	t	4-Chlorophenyl-phenylethe	0.611	0.553	9.5	111	0.00	8.67
68	t	4-Nitroaniline	0.379	0.346	8.7	113	0.01	8.74
69	I	Phenanthrene-d10	1.000	1.000	0.0	130	0.01	10.08
70	t	4,6-Dinitro-2-methylpheno	0.153	0.133	13.1	116	0.01	8.80
71	t	n-Nitrosodiphenylamine	0.626	0.531	15.2	111	0.00	8.86
72	t	1,2-Diphenylhydrazine	0.792	0.684	13.6	112	0.00	8.91
73	S	2,4,6-Tribromophenol	0.089	0.075	15.7	108	0.01	9.03
74	t	4-Bromophenyl-phenylether	0.208	0.181	13.0	115	0.00	9.40
75	t	Hexachlorobenzene	0.216	0.183	15.3	115	0.01	9.50
76	t	Pentachlorophenol	0.119	0.103	13.4	112	0.02	9.83
77	t	Phenanthrene	1.260	1.087	13.7	114	0.00	10.11
78	t	Anthracene	1.280	1.105	13.7	111	0.01	10.19
79	t	Carbazole	1.228	1.213	1.2	130	0.02	10.47
80	t	Di-n-butylphthalate	1.424	1.287	9.6	116	0.00	11.07
81	t	Fluoranthene	1.259	1.116	11.4	117	0.01	11.98
82	t	Octadecane	0.418	0.417	0.2	131	0.01	10.00
83	I	Chrysene-d12	1.000	1.000	0.0	133	0.02	14.27
84	t	Pyrene	1.419	1.255	11.6	116	0.01	12.33
85	S	Terphenyl-d14	0.890	0.794	10.8	117	0.01	12.63
86	t	Butylbenzylphthalate	0.687	0.633	7.9	122	0.00	13.45
87		Butyl stearate	0.340	0.259	23.8#	78	0.00	13.61
88	t	Benzo[a]anthracene	1.262	1.104	12.5	119	0.01	14.26
89	t	3,3'-Dichlorobenzidine	0.442	0.398	10.0	117	0.01	14.25
90	t	Chrysene	1.146	1.011	11.8	118	0.01	14.31
91	t	bis(2-Ethylhexyl)phthalat	0.977	0.919	5.9	124	0.01	14.40
92	I	Perylene-d12	1.000	1.000	0.0	124	0.02	16.40
93	t	Di-n-octylphthalate	1.953	1.874	4.0	124	0.00	15.39

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2683-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62617.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[b]fluoranthene	1.422	1.199	15.7	109	0.01	15.88
95	t	Benzo[k]fluoranthene	1.354	1.164	14.0	112	0.01	15.92
96	t	Benzo[a]pyrene	1.233	1.038	15.8	107	0.02	16.32
97	t	Indeno[1,2,3-cd]pyrene	1.457	1.325	9.1	118	0.03	17.99
98	t	Dibenz(a,h)acridine	1.091	1.118	-2.5	133	0.02	17.62
99	t	Dibenz[a,h]anthracene	1.221	1.109	9.2	119	0.02	18.01
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	20.477	18.1	98	0.00	15.86
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.164	1.042	10.5	117	0.02	18.44

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61406.D M3E2680.M Thu Jul 03 11:53:57 2014 MS3E

8.7.23

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** E3E2683-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62618.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2683\3E62618.D Vial: 3
Acq On : 28 Jun 2014 2:31 pm Operator: andrews1
Sample : cc2647-25 Inst : MS3E
Misc : op75684,e3e2683,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jul 01 15:08:14 2014
Last Update : Tue Jul 01 15:08:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	104	0.00	4.71
103	Benzaldehyde	1.069	1.054	1.4	93	0.00	4.38
104	Acenaphthene-d10a	1.000	1.000	0.0	105	0.00	7.88
105	1,2,4,5-Tetrachlorobenzen	0.486	0.503	-3.5	107	0.00	6.76
106	Phenanthrene-d10a	1.000	1.000	0.0	108	0.00	10.07
107	Atrazine	0.104	0.125	-20.2#	119	0.00	9.71
108 s	o-Terphenyl	0.525	0.596	-13.5	117	0.00	10.70
109 s	1-Chlorooctadecane	0.327	0.279	14.7	83	0.00	11.89
110 I	Chrysene-d12a	1.000	1.000	0.0	119	0.00	14.27
111 T	benzidine	0.736	0.730	0.8	99	0.00	12.23
112 I	Naphthalene-d8a	1.000	1.000	0.0	101	0.00	5.80
113 T	Hydroquinone	0.303	0.361	-19.1	111	0.00	6.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E62618.D M3E2680.M Tue Jul 01 15:08:51 2014 MS3E

Initial Calibration Summary

Job Number: JB69534 **Sample:** EM4300-ICC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105039.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Calibration Files
2 =m105043.D 5 =m105042.D 100 =m105036.D 50 =m105039.D
1 =m105037.D 10 =m105041.D 80 =m105038.D 25 =m105040.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.675	0.775	0.656	0.629	1.005	0.718	0.676	0.634	0.721	17.23
3) Pyridine	1.780	1.849	1.771	1.651	2.043	1.781	1.795	1.637	1.788	7.03
4) N-Nitrosodim	0.646	0.668	0.640	0.591	0.759	0.646	0.634	0.590	0.647	8.19
5) 2-Fluorophen	1.419	1.453	1.435	1.363	1.440	1.459	1.484	1.351	1.425	3.26
6) Indene	2.661	2.932	2.470	2.376	2.918	2.726	2.533	2.487	2.638	7.90
7) Cumene	3.955	4.041	3.614	3.447	4.032	3.892	3.637	3.601	3.777	6.05
8) Phenol-d5	1.842	1.951	1.835	1.697	2.028	1.930	1.862	1.710	1.857	6.15
9) Phenol	1.991	2.150	2.147	2.006	2.194	2.092	2.181	2.044	2.101	3.78
10) Aniline	2.487	2.635	2.313	2.083	2.842	2.550	2.372	2.240	2.440	9.83
11) bis(2-Chloro	1.488	1.569	1.389	1.304	1.610	1.491	1.416	1.354	1.452	7.28
12) 2-Chlorophen	1.607	1.680	1.541	1.447	1.596	1.634	1.567	1.484	1.569	4.91
13) Decane	1.258	1.268	1.051	1.052	1.328	1.222	1.090	1.091	1.170	9.46
14) 1,3-Dichloro	1.690	1.786	1.587	1.500	1.642	1.726	1.617	1.548	1.637	5.78
15) 1,4-Dichloro	1.685	1.859	1.616	1.547	1.901	1.779	1.621	1.603	1.702	7.63
16) Benzyl alcoh	1.004	1.137	1.057	0.965	1.193	1.116	1.061	1.002	1.067	7.27
17) 1,2-Dichloro	1.585	1.689	1.505	1.430	1.703	1.695	1.533	1.476	1.577	6.84
18) Acetophenone	2.279	2.444	2.053	1.972	2.445	2.367	2.101	2.057	2.215	8.63
19) 2-Methylphen	1.342	1.489	1.380	1.311	1.500	1.466	1.401	1.335	1.403	5.27
20) 2,2'-oxybis(	0.470	0.523	0.443	0.419	0.472	0.472	0.453	0.440	0.462	6.67
21) 3&4-Methylph	1.484	1.656	1.432	1.343	1.623	1.552	1.445	1.405	1.492	7.31
22) n-Nitroso-di	1.113	1.203	0.959	0.914	1.302	1.144	0.996	0.974	1.076	12.67
23) Hexachloroet	0.613	0.603	0.565	0.534	0.598	0.610	0.571	0.542	0.580	5.33
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.405	0.456	0.401	0.386	0.420	0.431	0.421	0.397	0.415	5.38
26) Nitrobenzene	0.465	0.499	0.445	0.430	0.481	0.496	0.465	0.457	0.467	5.13
27) Quinoline	0.819	0.894	0.822	0.794	0.925	0.863	0.843	0.802	0.845	5.44
28) Isophorone	0.798	0.870	0.768	0.743	0.864	0.849	0.800	0.765	0.807	6.03
29) 2-Nitropheno	0.200	0.210	0.217	0.216	0.186	0.217	0.227	0.216	0.211	5.92
30) 2,4-Dimethyl	0.433	0.434	0.411	0.384	0.450	0.430	0.425	0.387	0.419	5.56
31) Benzoic acid		0.202	0.321	0.292		0.241	0.330	0.273	0.277	17.70
32) bis(2-Chloro	0.451	0.486	0.432	0.423	0.512	0.485	0.451	0.434	0.459	6.89
33) 2,4-Dichloro	0.296	0.332	0.318	0.306	0.303	0.323	0.331	0.312	0.315	4.21
34) 2,6-Dichloro	0.318	0.343	0.309	0.300	0.325	0.329	0.319	0.304	0.319	4.47
35) 1,3,5-Trichl	0.422	0.434	0.366	0.366	0.400	0.414	0.381	0.384	0.396	6.51
36) 1,2,4-Trichl	0.380	0.404	0.352	0.348	0.390	0.388	0.363	0.354	0.372	5.60
37) 1,2,3-Trichl	0.387	0.398	0.358	0.348	0.422	0.388	0.365	0.357	0.378	6.66
38) Naphthalene	1.310	1.331	1.146	1.136	1.277	1.279	1.201	1.159	1.230	6.38
39) 4-Chloroanil	0.518	0.602	0.515	0.496	0.570	0.563	0.528	0.513	0.538	6.73
40) 2,3-Dichloro	0.399	0.441	0.395	0.384	0.424	0.431	0.411	0.388	0.409	5.11
41) Caprolactam	0.157	0.167	0.162	0.155	0.183	0.164	0.166	0.158	0.164	5.45
42) Hexachlorobu	0.223	0.241	0.201	0.199	0.219	0.214	0.207	0.206	0.214	6.48
43) 4-Chloro-3-m	0.340	0.395	0.367	0.348	0.362	0.378	0.381	0.353	0.365	5.09
44) 2-Methylnaph	0.706	0.719	0.647	0.629	0.725	0.696	0.666	0.639	0.678	5.59
45) 1-Methylnaph	0.804	0.861	0.738	0.713	0.821	0.799	0.764	0.737	0.780	6.43

Initial Calibration Summary

Job Number: JB69534 **Sample:** EM4300-ICC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105039.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
46) Dimethylnaph 0.693 0.751 0.681 0.655 0.738 0.741 0.700 0.668 0.703   5.11

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.286 0.329 0.374 0.357 0.277 0.360 0.386 0.352 0.340  11.70
49) 2,4,6-Trichl 0.379 0.415 0.382 0.364 0.394 0.409 0.392 0.369 0.388   4.66
50) 2,4,5-Trichl 0.400 0.450 0.423 0.398 0.407 0.446 0.430 0.409 0.420   4.79
51) 2-Fluorobiph 1.409 1.507 1.305 1.281 1.472 1.436 1.365 1.320 1.387   5.92
52) 2-Chloronaph 1.335 1.405 1.232 1.199 1.352 1.382 1.280 1.229 1.302   5.94
53) Biphenyl     1.654 1.753 1.535 1.511 1.783 1.715 1.605 1.545 1.637   6.41
54) 2-Nitroanili 0.309 0.372 0.369 0.352 0.324 0.376 0.388 0.357 0.356   7.58
55) Dimethylphth 1.426 1.483 1.328 1.278 1.441 1.401 1.370 1.301 1.379   5.23
56) Acenaphthyle 1.969 2.106 1.935 1.885 2.032 2.107 1.997 1.892 1.990   4.38
57) 2,6-Dinitrot 0.248 0.288 0.328 0.317 0.229 0.326 0.332 0.312 0.298  13.19
58) 3-Nitroanili 0.300 0.348 0.370 0.351 0.328 0.371 0.381 0.350 0.350   7.47
59) Acenaphthene 1.248 1.370 1.165 1.141 1.328 1.254 1.209 1.161 1.234   6.65
60) 2,4-Dinitrop       0.082 0.204 0.182       0.115 0.202 0.154 0.156  31.60
         ----- Quadratic regression -----              Coefficient =  0.9994
              Response Ratio = -0.03296 + 0.18069 *A + 0.00632 *A^2

61) 4-Nitropheno 0.164 0.176 0.210 0.194 0.154 0.197 0.209 0.192 0.187  10.92
62) Dibenzofuran 1.889 1.992 1.669 1.635 1.987 1.903 1.729 1.704 1.814   8.00
63) 2,4-Dinitrot 0.311 0.423 0.442 0.424 0.319 0.454 0.452 0.432 0.407  14.23
64) 2,3,4,6-Tetr 0.284 0.327 0.342 0.323 0.279 0.342 0.351 0.323 0.321   8.26
65) Diethylphtha 1.293 1.445 1.311 1.268 1.370 1.400 1.358 1.287 1.342   4.61
66) Fluorene     1.412 1.527 1.374 1.325 1.431 1.460 1.401 1.343 1.409   4.62
67) 4-Chlorophen 0.682 0.757 0.652 0.632 0.708 0.709 0.676 0.652 0.684   5.89
68) 4-Nitroanili 0.317 0.369 0.378 0.353 0.341 0.379 0.391 0.367 0.362   6.67

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-             0.165 0.153       0.104 0.167 0.133 0.144  18.20
71) n-Nitrosodip 0.513 0.580 0.538 0.531 0.564 0.570 0.561 0.534 0.549   4.19
72) 1,2-Diphenyl 0.887 0.963 0.857 0.845 0.892 0.919 0.887 0.852 0.888   4.41
73) 2,4,6-Tribro 0.075 0.091 0.095 0.093 0.066 0.096 0.098 0.092 0.088  12.89
74) 4-Bromopheny 0.213 0.223 0.204 0.200 0.205 0.209 0.213 0.196 0.208   4.07
75) Hexachlorobe 0.228 0.256 0.217 0.212 0.223 0.237 0.225 0.217 0.227   6.16
76) Pentachlorop 0.106 0.131 0.154 0.149 0.111 0.146 0.160 0.148 0.138  14.52
77) Phenanthrene 1.229 1.276 1.164 1.132 1.321 1.235 1.195 1.165 1.215   5.20
78) Anthracene   1.169 1.294 1.197 1.151 1.169 1.281 1.227 1.180 1.208   4.45
79) Carbazole    1.096 1.203 1.142 1.090 1.212 1.153 1.161 1.120 1.147   3.93
80) Di-n-butylph 1.066 1.265 1.343 1.279 1.227 1.291 1.375 1.293 1.267   7.36
81) Fluoranthene 1.200 1.305 1.289 1.239 1.359 1.316 1.308 1.247 1.283   3.96
82) Octadecane   0.368 0.441 0.403 0.391 0.377 0.422 0.423 0.403 0.404   6.12

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       1.346 1.458 1.334 1.333 1.426 1.409 1.386 1.348 1.380   3.43
85) Butyl steara 0.183 0.263 0.299 0.300 0.247 0.286 0.306 0.289 0.272  15.13
86) Terphenyl-d1 0.854 0.927 0.887 0.885 0.892 0.918 0.927 0.881 0.896   2.87
87) Butylbenzylp 0.458 0.516 0.608 0.591 0.527 0.560 0.628 0.570 0.557   9.92
88) Benzo[a]anth 1.188 1.271 1.197 1.200 1.378 1.258 1.243 1.199 1.242   5.12
89) 3,3'-Dichlor 0.323 0.403 0.436 0.429 0.396 0.434 0.457 0.430 0.414   9.97
90) Chrysene     1.189 1.260 1.132 1.121 1.228 1.196 1.172 1.131 1.179   4.21
91) bis(2-Ethylh 0.536 0.707 0.835 0.817 0.665 0.763 0.854 0.781 0.745  14.22

92) I   Perylene-d12          ----------------ISTD---------------------
93) Di-n-octylph 0.855 1.302 1.839 1.576       1.448 1.822 1.491 1.476  22.77
         ----- Quadratic regression -----              Coefficient =  0.9990
              Response Ratio = -0.02613 + 1.43679 *A + 0.17290 *A^2

94) Benzo[b]fluo 1.257 1.462 1.443 1.297 1.621 1.475 1.482 1.312 1.419   8.56
95) Benzo[k]fluo 1.343 1.501 1.342 1.272 1.595 1.478 1.386 1.290 1.401   8.08
```

8.7.25

8

Initial Calibration Summary

Job Number: JB69534 **Sample:** EM4300-ICC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105039.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 96) Benzo[a]pyre 1.118 1.280 1.258 1.152 1.388 1.304 1.294 1.144 1.242   7.61
 97) Indeno[1,2,3 0.917 1.043 1.162 1.047 1.334 1.159 1.205 1.019 1.111  11.72
 98) Dibenz(a,h)a 0.836 1.031 1.076 0.977 0.984 1.079 1.115 0.956 1.007   8.85
 99) Dibenz[a,h]a 1.019 1.130 1.199 1.100 1.324 1.212 1.254 1.073 1.164   8.70
100) 7,12-Dimethy 0.498 0.645 0.719 0.643 0.603 0.695 0.731 0.624 0.645  11.60
101) Benzo[g,h,i] 1.010 1.145 1.148 1.030 1.210 1.213 1.193 1.032 1.123   7.64
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MM4300.M          Mon Jun 16 13:15:50 2014   MSM
```

8.7.25

8

Initial Calibration Summary

Job Number: JB69534 **Sample:** EM4301-ICC4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105048.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Mon Jun 16 16:09:49 2014
Response via : Initial Calibration

Calibration Files
2 =m105052.D 5 =m105051.D 100 =m105046.D 50 =m105126.D
1 =m105053.D 10 =m105050.D 80 =m105047.D 25 =m105170.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.134	1.202	0.893	1.086	1.095	1.221	0.958	1.184	1.096	10.71
104) I Acenaphthene-d10a	ISTD									
105) 1,2,4,5-Tetr	0.640	0.630	0.572	0.596	0.630	0.620	0.577	0.591	0.607	4.28
106) Atrazine	0.147	0.196	0.213	0.210	0.165	0.212	0.214	0.203	0.195	13.00
107) I Chrysene-d12a	ISTD									
108) Benzidine	0.607		0.561		0.745	0.448	0.660	0.604		18.34
109) 1-chloroocta	0.188	0.238	0.263	0.268	0.177	0.268	0.270	0.267	0.242	15.89
110) I Phenanthrene-d10a	ISTD									
111) o-terphenyl	0.576	0.631	0.594	0.621	0.560	0.645	0.613	0.616	0.607	4.67

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

MM4300.M Tue Jun 17 09:42:10 2014 MSM

8.7.26

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105054.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105054.D Vial: 10
Acq On : 12 Jun 2014 6:45 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	4.90
3	t	Pyridine	1.788	1.453	18.7	74	-0.02	2.78
4	t	N-Nitrosodimethylamine	0.647	0.546	15.6	78	0.00	2.75
11	t	bis(2-Chloroethyl)ether	1.452	1.351	7.0	87	0.00	4.68
14	t	1,3-Dichlorobenzene	1.637	1.404	14.2	79	0.00	4.86
15	t	1,4-Dichlorobenzene	1.702	1.420	16.6	77	0.00	4.92
16	t	Benzyl alcohol	1.067	0.895	16.1	78	0.00	5.01
17	t	1,2-Dichlorobenzene	1.577	1.356	14.0	80	0.00	5.05
20	t	2,2'-oxybis(1-Chloropropa	0.462	0.429	7.1	86	0.00	5.12
22	t	n-Nitroso-di-n-propylamin	1.076	0.948	11.9	87	0.00	5.23
23	t	Hexachloroethane	0.580	0.508	12.4	80	0.00	5.34
24	I	Naphthalene-d8	1.000	1.000	0.0	85	0.00	6.09
26	t	Nitrobenzene	0.467	0.395	15.4	78	-0.11	5.39
28	t	Isophorone	0.807	0.674	16.5	77	0.00	5.60
32	t	bis(2-Chloroethoxy)methan	0.459	0.434	5.4	88	0.00	5.82
36	t	1,2,4-Trichlorobenzene	0.372	0.320	14.0	78	0.00	6.03
38	t	Naphthalene	1.230	1.038	15.6	78	0.00	6.11
42	t	Hexachlorobutadiene	0.214	0.188	12.1	80	0.00	6.25
44	t	2-Methylnaphthalene	0.678	0.575	15.2	78	0.00	6.94
47	I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00	8.49
48	t	Hexachlorocyclopentadiene	0.340	0.278	18.2	66	0.00	7.17
52	t	2-Chloronaphthalene	1.302	1.121	13.9	79	0.00	7.62
54	t	2-Nitroaniline	0.356	0.320	10.1	77	0.00	7.78
55	t	Dimethylphthalate	1.379	1.227	11.0	81	0.00	8.09
56	t	Acenaphthylene	1.990	1.500	24.6	67	0.00	8.26
57	t	2,6-Dinitrotoluene	0.298	0.268	10.1	72	0.00	8.17
58	t	3-Nitroaniline	0.350	0.277	20.9	67	0.00	8.43
59	t	Acenaphthene	1.234	1.096	11.2	81	0.00	8.55
62	t	Dibenzofuran	1.814	1.569	13.5	81	0.00	8.84
63	t	2,4-Dinitrotoluene	0.407	0.337	17.2	67	0.00	8.83
65	t	Diethylphthalate	1.342	1.221	9.0	82	0.01	9.30
66	t	Fluorene	1.409	1.255	10.9	80	0.00	9.43
67	t	4-Chlorophenyl-phenylethe	0.684	0.633	7.5	85	0.00	9.46
68	t	4-Nitroaniline	0.362	0.322	11.0	77	0.02	9.48
69	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00	11.14
71	t	n-Nitrosodiphenylamine	0.549	0.509	7.3	82	0.00	9.67
72	t	1,2-Diphenylhydrazine	0.888	0.797	10.2	81	0.00	9.74
74	t	4-Bromophenyl-phenylether	0.208	0.199	4.3	86	0.00	10.35
75	t	Hexachlorobenzene	0.227	0.201	11.5	81	0.00	10.44

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105054.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.215	1.024	15.7	78	0.00	11.19
78	t	Anthracene	1.208	1.039	14.0	78	0.00	11.28
79	t	Carbazole	1.147	0.993	13.4	78	0.00	11.62
80	t	Di-n-butylphthalate	1.267	1.214	4.2	82	0.00	12.43
81	t	Fluoranthene	1.283	1.143	10.9	79	0.00	13.49
83	I	Chrysene-d12	1.000	1.000	0.0	91	0.00	16.33
84	t	Pyrene	1.380	1.171	15.1	80	0.01	13.92
87	t	Butylbenzylphthalate	0.557	0.528	5.2	81	0.00	15.38
88	t	Benzo[a]anthracene	1.242	1.055	15.1	80	0.00	16.31
90	t	Chrysene	1.179	1.063	9.8	86	0.06	16.38
91	t	bis(2-Ethylhexyl)phthalat	0.745	0.713	4.3	79	0.00	16.60
92	I	Perylene-d12	1.000	1.000	0.0	93	0.00	18.96
93	t	Di-n-octylphthalate	1.580	1.347	14.7	79	0.00	17.83
94	t	Benzo[b]fluoranthene	1.419	1.126	20.6	81	0.01	18.31
95	t	Benzo[k]fluoranthene	1.401	1.154	17.6	84	0.01	18.36
96	t	Benzo[a]pyrene	1.242	1.075	13.4	87	-0.10	18.86
97	t	Indeno[1,2,3-cd]pyrene	1.111	0.931	16.2	83	0.02	20.76
99	t	Dibenz[a,h]anthracene	1.164	1.002	13.9	85	0.02	20.82
101	t	Benzo[g,h,i]perylene	1.123	1.001	10.9	90	0.02	21.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:11 2014 MSM

8.7.27

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105054A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105054a.D Vial: 10
Acq On : 12 Jun 2014 6:45 pm Operator: saumilp
Sample : ICV4301-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
104 I	Acenaphthene-d10a	1.000	1.000	0.0	108	0.00	8.49
105 I	1,2,4,5-Tetrachlorobenzen	0.607	0.600	1.2	109	0.00	7.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:13 2014 MSM

8.7.28

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105055A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105055a.D Vial: 11
Acq On : 12 Jun 2014 7:15 pm Operator: saumilp
Sample : ICV4301-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	98	0.00	4.90
103 t	Benzaldehyde	1.096	1.199	-9.4	109	0.00	4.56
104 I	Acenaphthene-d10a	1.000	1.000	0.0	98	0.00	8.49
106 t	Atrazine	0.195	0.193	1.0	90	0.01	10.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:17 2014 MSM

8.7.29

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105055.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105055.D Vial: 11
Acq On : 12 Jun 2014 7:15 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00	4.90
2	t	1,4-Dioxane	0.721	0.580	19.6	72	0.00	2.47
6	t	Indene	2.638	2.369	10.2	78	0.21	5.12
7	t	Cumene	3.777	3.239	14.2	74	0.00	4.30
13	t	Decane	1.170	0.983	16.0	73	0.00	4.77
18	t	Acetophenone	2.215	1.981	10.6	79	0.00	5.23
24	I	Naphthalene-d8	1.000	1.000	0.0	79	0.00	6.09
27	t	Quinoline	0.845	0.728	13.8	72	0.00	6.48
40	t	2,3-Dichloroaniline	0.409	0.324	20.8	66	0.00	7.33
41	t	Caprolactam	0.164	0.135	17.7	69	-0.02	6.53
45	t	1-Methylnaphthalene	0.780	0.663	15.0	73	-0.10	7.08
46	t	Dimethylnaphthalene	0.703	0.605	13.9	73	0.00	7.83
47	I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00	8.49
53	t	Biphenyl	1.637	1.436	12.3	73	0.00	7.60
69	I	Phenanthrene-d10	1.000	1.000	0.0	75	0.00	11.14
82	t	Octadecane	0.404	0.394	2.5	75	0.00	11.13
83	I	Chrysene-d12	1.000	1.000	0.0	79	0.00	16.32
92	I	Perylene-d12	1.000	1.000	0.0	75	0.00	18.95
100	t	7,12-Dimethylbenz(a)anthr	0.645	0.441	31.6#	52	0.00	18.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:15 2014 MSM

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105056.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105056.D Vial: 12
Acq On : 12 Jun 2014 7:44 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00	4.90
5	S	2-Fluorophenol	1.425	1.215	14.7	80	0.00	3.90
8	S	Phenol-d5	1.857	1.487	19.9	79	0.00	4.61
24	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00	6.09
25	S	Nitrobenzene-d5	0.415	0.357	14.0	83	0.00	5.37
47	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00	8.49
51	S	2-Fluorobiphenyl	1.387	1.196	13.8	81	0.00	7.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00	11.13
73	S	2,4,6-Tribromophenol	0.088	0.078	11.4	72	0.00	9.85
83	I	Chrysene-d12	1.000	1.000	0.0	88	0.00	16.32
86	S	Terphenyl-d14	0.896	0.808	9.8	80	0.00	14.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:19 2014 MSM

8.7.31

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105057.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105057.D Vial: 13
Acq On : 12 Jun 2014 8:14 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	4.90
10	t	Aniline	2.440	2.275	6.8	132	0.00	4.64
24	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00	6.08
39	t	4-Chloroaniline	0.538	0.503	6.5	126	0.00	6.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:21 2014 MSM

8.7.32

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105059.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105059.D Vial: 15
Acq On : 12 Jun 2014 9:12 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	131	0.00	16.33
89 t	3,3'-Dichlorobenzidine	0.414	0.370	10.6	113	0.00	16.33

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:23 2014 MSM

8.7.33

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105059A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\em4301\m105059a.D          Vial: 15
  Acq On    : 12 Jun 2014   9:12 pm                    Operator: saumilp
  Sample    : ICV4301-50                               Inst    : Instrument #1
  Misc      : op73826,em4301                           Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
  Title        : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
  Last Update  : Fri Jun 13 08:41:49 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107 I	Chrysene-d12a	1.000	1.000	0.0	154	0.00	16.33
108 t	Benzidine	0.604	0.703	-16.4	193	0.00	13.82

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     m105048.D  MM4300.M         Fri Jun 13 09:11:25 2014   MSM
```

8.7.34

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105060.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105060.D Vial: 16
Acq On : 12 Jun 2014 9:42 pm Operator: saumilp
Sample : ICV4301-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Mon Jun 16 13:03:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	129	0.00	6.08
113	hydroquinone	0.406	0.453	-11.6	135	0.00	6.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105126.D MM4300.M Mon Jun 16 13:22:53 2014 MSM

8.7.35

8

Initial Calibration Verification

Job Number: JB69534 **Sample:** EM4302-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105064.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4302\m105064.D Vial: 2
Acq On : 13 Jun 2014 9:54 am Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4302 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00	4.90
9	t	Phenol	2.101	1.888	10.1	119	0.00	4.62
12	t	2-Chlorophenol	1.569	1.519	3.2	133	0.00	4.74
19	t	2-Methylphenol	1.403	1.356	3.3	131	0.00	5.10
21	t	3&4-Methylphenol	1.492	1.418	5.0	134	0.00	5.22
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	6.08
29	t	2-Nitrophenol	0.211	0.208	1.4	119	0.00	5.69
30	t	2,4-Dimethylphenol	0.419	0.437	-4.3	140	0.00	5.72
31	t	Benzoic acid	0.277	0.257	7.2	109	0.05	5.82
33	t	2,4-Dichlorophenol	0.315	0.325	-3.2	131	0.00	5.92
34	t	2,6-Dichlorophenol	0.319	0.319	0.0	131	0.00	6.17
43	t	4-Chloro-3-methylphenol	0.365	0.370	-1.4	131	0.00	6.73
47	I	Acenaphthene-d10	1.000	1.000	0.0	120	0.00	8.49
49	t	2,4,6-Trichlorophenol	0.388	0.406	-4.6	135	0.00	7.33
50	t	2,4,5-Trichlorophenol	0.420	0.433	-3.1	131	0.00	7.37
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	78.012	22.0	80	0.00	8.60
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.187	0.209	-11.8	130	0.00	8.73
64	t	2,3,4,6-Tetrachlorophenol	0.321	0.327	-1.9	122	0.00	9.05
69	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.00	11.14
70	t	4,6-Dinitro-2-methylpheno	0.144	0.130	9.7	105	0.00	9.53
76	t	Pentachlorophenol	0.138	0.152	-10.1	126	0.00	10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 10:23:05 2014 MSM

8.7.36

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4324-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105619.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4324\m105619.D Vial: 2
Acq On : 26 Jun 2014 10:10 pm Operator: ashleyd
Sample : cc4300-25 Inst : Instrument #1
Misc : op73826,em4324 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 27 08:45:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	59	0.00	4.69
2	t	1,4-Dioxane	0.721	0.646	10.4	60	0.00	2.23
3	t	Pyridine	1.788	1.725	3.5	62	0.00	2.56
4	t	N-Nitrosodimethylamine	0.647	0.598	7.6	60	0.00	2.52
5	S	2-Fluorophenol	1.425	1.394	2.2	61	0.00	3.72
6	t	Indene	2.638	2.582	2.1	61	0.00	4.90
7	t	Cumene	3.777	3.729	1.3	61	0.00	4.09
8	S	Phenol-d5	1.857	1.864	-0.4	64	0.00	4.44
9	t	Phenol	2.101	2.119	-0.9	61	0.00	4.45
10	t	Aniline	2.440	2.403	1.5	63	0.00	4.45
11	t	bis(2-Chloroethyl)ether	1.452	1.420	2.2	62	0.00	4.48
12	t	2-Chlorophenol	1.569	1.472	6.2	59	0.00	4.54
13	t	Decane	1.170	1.165	0.4	63	0.00	4.57
14	t	1,3-Dichlorobenzene	1.637	1.607	1.8	61	0.00	4.65
15	t	1,4-Dichlorobenzene	1.702	1.629	4.3	60	0.00	4.70
16	t	Benzyl alcohol	1.067	1.056	1.0	62	0.00	4.81
17	t	1,2-Dichlorobenzene	1.577	1.532	2.9	61	0.00	4.83
18	t	Acetophenone	2.215	2.151	2.9	62	0.00	5.01
19	t	2-Methylphenol	1.403	1.471	-4.8	65	0.00	4.91
20	t	2,2'-oxybis(1-Chloropropa	0.462	0.451	2.4	60	0.00	4.91
21	t	3&4-Methylphenol	1.492	1.559	-4.5	66	0.00	5.04
22	t	n-Nitroso-di-n-propylamin	1.076	1.071	0.5	65	0.00	5.01
23	t	Hexachloroethane	0.580	0.603	-4.0	66	0.00	5.10
24	I	Naphthalene-d8	1.000	1.000	0.0	63	0.00	5.83
25	S	Nitrobenzene-d5	0.415	0.435	-4.8	69	0.00	5.15
26	t	Nitrobenzene	0.467	0.459	1.7	63	0.00	5.16
27	t	Quinoline	0.845	0.805	4.7	63	0.00	6.23
28	t	Isophorone	0.807	0.761	5.7	63	0.00	5.37
29	t	2-Nitrophenol	0.211	0.213	-0.9	62	0.00	5.45
30	t	2,4-Dimethylphenol	0.419	0.393	6.2	64	0.00	5.50
31	t	Benzoic acid	0.277	0.310	-11.9	71	0.00	5.60
32	t	bis(2-Chloroethoxy)methan	0.459	0.433	5.7	63	0.00	5.57
33	t	2,4-Dichlorophenol	0.315	0.325	-3.2	66	0.00	5.70
34	t	2,6-Dichlorophenol	0.319	0.314	1.6	65	0.00	5.93
35	t	1,3,5-Trichlorobenzene	0.396	0.393	0.8	65	0.00	5.47
36	t	1,2,4-Trichlorobenzene	0.372	0.361	3.0	64	0.00	5.78
37	t	1,2,3-Trichlorobenzene	0.378	0.345	8.7	61	0.00	6.01
38	t	Naphthalene	1.230	1.153	6.3	63	0.00	5.85
39	t	4-Chloroaniline	0.538	0.502	6.7	62	0.00	5.92
40	t	2,3-Dichloroaniline	0.409	0.396	3.2	64	0.00	7.04
41	t	Caprolactam	0.164	0.156	4.9	62	0.00	6.29

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4324-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105619.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.214	0.195	8.9	60	0.00	5.99
43	t	4-Chloro-3-methylphenol	0.365	0.350	4.1	63	0.00	6.50
44	t	2-Methylnaphthalene	0.678	0.635	6.3	63	0.00	6.66
45	t	1-Methylnaphthalene	0.780	0.746	4.4	64	0.00	6.79
46	t	Dimethylnaphthalene	0.703	0.686	2.4	65	0.00	7.54
47	I	Acenaphthene-d10	1.000	1.000	0.0	65	0.00	8.18
48	t	Hexachlorocyclopentadiene	0.340	0.318	6.5	58	0.00	6.88
49	t	2,4,6-Trichlorophenol	0.388	0.388	0.0	68	0.00	7.06
50	t	2,4,5-Trichlorophenol	0.420	0.440	-4.8	70	0.00	7.12
51	S	2-Fluorobiphenyl	1.387	1.320	4.8	65	0.00	7.17
52	t	2-Chloronaphthalene	1.302	1.168	10.3	62	0.00	7.33
53	t	Biphenyl	1.637	1.535	6.2	64	0.00	7.31
54	t	2-Nitroaniline	0.356	0.367	-3.1	67	0.00	7.49
55	t	Dimethylphthalate	1.379	1.293	6.2	64	0.00	7.79
56	t	Acenaphthylene	1.990	1.916	3.7	66	0.00	7.95
57	t	2,6-Dinitrotoluene	0.298	0.315	-5.7	65	0.00	7.87
58	t	3-Nitroaniline	0.350	0.347	0.9	64	0.00	8.13
59	t	Acenaphthene	1.234	1.158	6.2	65	0.00	8.23
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	52.784	-5.6	73	0.00	8.33
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.187	0.181	3.2	61	0.00	8.50
62	t	Dibenzofuran	1.814	1.659	8.5	63	0.00	8.52
63	t	2,4-Dinitrotoluene	0.407	0.447	-9.8	67	0.00	8.53
64	t	2,3,4,6-Tetrachlorophenol	0.321	0.305	5.0	61	0.00	8.76
65	t	Diethylphthalate	1.342	1.318	1.8	66	0.00	8.98
66	t	Fluorene	1.409	1.376	2.3	66	0.00	9.11
67	t	4-Chlorophenyl-phenylethe	0.684	0.665	2.8	66	0.00	9.14
68	t	4-Nitroaniline	0.362	0.364	-0.6	64	0.00	9.17
69	I	Phenanthrene-d10	1.000	1.000	0.0	65	0.00	10.80
70	t	4,6-Dinitro-2-methylpheno	0.144	0.143	0.7	70	0.00	9.26
71	t	n-Nitrosodiphenylamine	0.549	0.552	-0.5	67	0.00	9.36
72	t	1,2-Diphenylhydrazine	0.888	0.853	3.9	65	0.00	9.42
73	S	2,4,6-Tribromophenol	0.088	0.091	-3.4	64	0.00	9.54
74	t	4-Bromophenyl-phenylether	0.208	0.192	7.7	64	0.00	10.01
75	t	Hexachlorobenzene	0.227	0.200	11.9	60	0.00	10.11
76	t	Pentachlorophenol	0.138	0.117	15.2	52	0.00	10.50
77	t	Phenanthrene	1.215	1.159	4.6	65	0.00	10.85
78	t	Anthracene	1.208	1.184	2.0	65	0.00	10.94
79	t	Carbazole	1.147	1.122	2.2	65	0.00	11.29
80	t	Di-n-butylphthalate	1.267	1.282	-1.2	65	0.00	12.09
81	t	Fluoranthene	1.283	1.239	3.4	65	0.00	13.14
82	t	Octadecane	0.404	0.430	-6.4	70	0.00	10.79
83	I	Chrysene-d12	1.000	1.000	0.0	58	0.00	15.99
84	t	Pyrene	1.380	1.456	-5.5	63	0.00	13.57
85		Butyl stearate	0.272	0.500	-83.8#	101	0.00	15.29
86	S	Terphenyl-d14	0.896	0.889	0.8	59	0.00	13.98
87	t	Butylbenzylphthalate	0.557	0.634	-13.8	65	0.00	15.04
88	t	Benzo[a]anthracene	1.242	1.185	4.6	58	0.00	15.97
89	t	3,3'-Dichlorobenzidine	0.414	0.429	-3.6	58	0.00	15.99
90	t	Chrysene	1.179	1.119	5.1	58	0.00	16.03
91	t	bis(2-Ethylhexyl)phthalat	0.745	0.950	-27.5#	71	0.00	16.26
92	I	Perylene-d12	1.000	1.000	0.0	59	0.00	18.61

8.7.37

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4324-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105619.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	28.862	-15.4	70	0.00	17.49

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.419	1.264	10.9	57	0.00	17.97
95	t	Benzo[k]fluoranthene	1.401	1.226	12.5	56	0.00	18.02
96	t	Benzo[a]pyrene	1.242	1.179	5.1	61	0.00	18.51
97	t	Indeno[1,2,3-cd]pyrene	1.111	1.132	-1.9	66	0.00	20.33
98	t	Dibenz(a,h)acridine	1.007	1.039	-3.2	64	0.00	19.97
99	t	Dibenz[a,h]anthracene	1.164	1.170	-0.5	64	0.00	20.39
100	t	7,12-Dimethylbenz(a)anthr	0.645	0.643	0.3	61	0.00	17.97
101	t	Benzo[g,h,i]perylene	1.123	1.127	-0.4	64	0.00	20.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105619.D MM4300.M Fri Jun 27 08:46:12 2014 MSM

8.7.37

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4324-CC4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105620.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4324\m105620.D Vial: 3
Acq On : 26 Jun 2014 10:39 pm Operator: ashleyd
Sample : cc4301-25 Inst : Instrument #1
Misc : op73826,em4324 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 27 08:45:49 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	0.00	4.69
103	t	Benzaldehyde	1.096	1.277	-16.5	92	-0.24	4.36
104	I	Acenaphthene-d10a	1.000	1.000	0.0	90	0.00	8.18
105	I	1,2,4,5-Tetrachlorobenzen	0.607	0.591	2.6	90	-0.14	6.89
106	t	Atrazine	0.195	0.235	-20.5#	104	-0.11	10.39
107	I	Chrysene-d12a	1.000	1.000	0.0	82	-0.01	15.98
108	t	Benzidine	0.604	0.774	-28.1#	96	-0.12	13.48
109	I	Naphthalene-d8a	1.000	1.000	0.0	90	0.00	5.83
110		hydroquinone	0.406	0.465	-14.5	101	-0.15	6.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105619.D MM4300.M Fri Jun 27 08:48:33 2014 MSM

8.7.38

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4326-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105671.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4326\m105671.D Vial: 2
Acq On : 27 Jun 2014 3:45 pm Operator: saumilp
Sample : CC4300-50 Inst : Instrument #1
Misc : op73826,em4326 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Sat Jun 28 15:47:32 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	94	0.00	4.79
2	t	1,4-Dioxane	0.721	0.630	12.6	94	0.00	2.35
3	t	Pyridine	1.788	1.663	7.0	95	0.00	2.67
4	t	N-Nitrosodimethylamine	0.647	0.574	11.3	91	0.00	2.64
5	S	2-Fluorophenol	1.425	1.355	4.9	93	0.00	3.82
6	t	Indene	2.638	2.421	8.2	96	0.00	5.00
7	t	Cumene	3.777	3.544	6.2	97	0.00	4.19
8	S	Phenol-d5	1.857	1.757	5.4	97	0.00	4.53
9	t	Phenol	2.101	1.992	5.2	93	0.00	4.54
10	t	Aniline	2.440	2.216	9.2	100	0.00	4.54
11	t	bis(2-Chloroethyl)ether	1.452	1.393	4.1	100	0.00	4.58
12	t	2-Chlorophenol	1.569	1.427	9.1	93	0.00	4.64
13	t	Decane	1.170	1.117	4.5	100	0.00	4.66
14	t	1,3-Dichlorobenzene	1.637	1.526	6.8	96	0.00	4.75
15	t	1,4-Dichlorobenzene	1.702	1.565	8.0	95	0.00	4.81
16	t	Benzyl alcohol	1.067	1.010	5.3	98	0.00	4.91
17	t	1,2-Dichlorobenzene	1.577	1.465	7.1	96	0.00	4.93
18	t	Acetophenone	2.215	1.999	9.8	95	0.00	5.12
19	t	2-Methylphenol	1.403	1.348	3.9	97	0.00	5.01
20	t	2,2'-oxybis(1-Chloropropa	0.462	0.437	5.4	98	0.00	5.01
21	t	3&4-Methylphenol	1.492	1.477	1.0	103	0.00	5.13
22	t	n-Nitroso-di-n-propylamin	1.076	1.022	5.0	105	0.00	5.12
23	t	Hexachloroethane	0.580	0.548	5.5	96	0.00	5.22
24	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00	5.95
25	S	Nitrobenzene-d5	0.415	0.387	6.7	101	0.00	5.26
26	t	Nitrobenzene	0.467	0.415	11.1	97	0.00	5.27
27	t	Quinoline	0.845	0.733	13.3	93	0.00	6.36
28	t	Isophorone	0.807	0.721	10.7	98	0.00	5.48
29	t	2-Nitrophenol	0.211	0.205	2.8	96	0.00	5.57
30	t	2,4-Dimethylphenol	0.419	0.358	14.6	94	0.00	5.61
31	t	Benzoic acid	0.277	0.302	-9.0	105	0.00	5.73
32	t	bis(2-Chloroethoxy)methan	0.459	0.413	10.0	99	0.00	5.69
33	t	2,4-Dichlorophenol	0.315	0.301	4.4	99	0.00	5.82
34	t	2,6-Dichlorophenol	0.319	0.293	8.2	98	0.00	6.05
35	t	1,3,5-Trichlorobenzene	0.396	0.349	11.9	96	0.00	5.58
36	t	1,2,4-Trichlorobenzene	0.372	0.332	10.8	96	0.00	5.90
37	t	1,2,3-Trichlorobenzene	0.378	0.333	11.9	97	0.00	6.14
38	t	Naphthalene	1.230	1.066	13.3	95	0.00	5.98
39	t	4-Chloroaniline	0.538	0.454	15.6	93	0.00	6.04
40	t	2,3-Dichloroaniline	0.409	0.364	11.0	96	0.00	7.18
41	t	Caprolactam	0.164	0.147	10.4	96	0.00	6.44

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4326-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105671.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.214	0.179	16.4	91	0.00	6.12
43	t	4-Chloro-3-methylphenol	0.365	0.329	9.9	96	0.00	6.63
44	t	2-Methylnaphthalene	0.678	0.591	12.8	95	0.00	6.80
45	t	1-Methylnaphthalene	0.780	0.687	11.9	97	0.00	6.93
46	t	Dimethylnaphthalene	0.703	0.642	8.7	99	0.00	7.68
47	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00	8.33
48	t	Hexachlorocyclopentadiene	0.340	0.307	9.7	89	0.00	7.02
49	t	2,4,6-Trichlorophenol	0.388	0.360	7.2	103	0.00	7.19
50	t	2,4,5-Trichlorophenol	0.420	0.393	6.4	103	0.00	7.25
51	S	2-Fluorobiphenyl	1.387	1.243	10.4	101	0.00	7.31
52	t	2-Chloronaphthalene	1.302	1.102	15.4	95	0.00	7.47
53	t	Biphenyl	1.637	1.412	13.7	97	0.00	7.45
54	t	2-Nitroaniline	0.356	0.333	6.5	98	0.00	7.63
55	t	Dimethylphthalate	1.379	1.208	12.4	98	0.00	7.93
56	t	Acenaphthylene	1.990	1.759	11.6	97	0.00	8.10
57	t	2,6-Dinitrotoluene	0.298	0.293	1.7	96	0.00	8.02
58	t	3-Nitroaniline	0.350	0.324	7.4	96	0.00	8.28
59	t	Acenaphthene	1.234	1.055	14.5	96	0.00	8.39
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	93.760	6.2	97	0.00	8.46
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.187	0.166	11.2	89	0.00	8.64
62	t	Dibenzofuran	1.814	1.527	15.8	97	0.00	8.67
63	t	2,4-Dinitrotoluene	0.407	0.392	3.7	96	0.00	8.68
64	t	2,3,4,6-Tetrachlorophenol	0.321	0.285	11.2	92	0.00	8.90
65	t	Diethylphthalate	1.342	1.165	13.2	95	0.00	9.13
66	t	Fluorene	1.409	1.246	11.6	98	0.00	9.26
67	t	4-Chlorophenyl-phenylethe	0.684	0.599	12.4	98	0.00	9.29
68	t	4-Nitroaniline	0.362	0.330	8.8	97	0.00	9.33
69	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00	10.97
70	t	4,6-Dinitro-2-methylpheno	0.144	0.145	-0.7	97	0.00	9.39
71	t	n-Nitrosodiphenylamine	0.549	0.511	6.9	98	0.00	9.51
72	t	1,2-Diphenylhydrazine	0.888	0.792	10.8	96	0.00	9.57
73	S	2,4,6-Tribromophenol	0.088	0.083	5.7	91	0.00	9.69
74	t	4-Bromophenyl-phenylether	0.208	0.183	12.0	93	0.00	10.17
75	t	Hexachlorobenzene	0.227	0.185	18.5	89	0.00	10.26
76	t	Pentachlorophenol	0.138	0.112	18.8	77	0.00	10.65
77	t	Phenanthrene	1.215	1.088	10.5	98	0.00	11.01
78	t	Anthracene	1.208	1.121	7.2	99	0.00	11.10
79	t	Carbazole	1.147	1.046	8.8	98	0.00	11.45
80	t	Di-n-butylphthalate	1.267	1.222	3.6	97	0.00	12.25
81	t	Fluoranthene	1.283	1.179	8.1	97	0.00	13.31
82	t	Octadecane	0.404	0.412	-2.0	107	0.00	10.94
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.00	16.14
84	t	Pyrene	1.380	1.336	3.2	97	0.00	13.73
85		Butyl stearate	0.272	0.461	-69.5#	149	0.00	15.43
86	S	Terphenyl-d14	0.896	0.829	7.5	91	0.00	14.14
87	t	Butylbenzylphthalate	0.557	0.586	-5.2	96	0.00	15.20
88	t	Benzo[a]anthracene	1.242	1.143	8.0	92	0.00	16.13
89	t	3,3'-Dichlorobenzidine	0.414	0.405	2.2	91	0.00	16.15
90	t	Chrysene	1.179	1.076	8.7	93	0.00	16.20
91	t	bis(2-Ethylhexyl)phthalat	0.745	0.832	-11.7	99	0.00	16.41
92	I	Perylene-d12	1.000	1.000	0.0	93	0.00	18.77

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4326-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105671.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	51.362	-2.7	100	0.00	17.64

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.419	1.214	14.4	87	0.00	18.12
95	t	Benzo[k]fluoranthene	1.401	1.201	14.3	88	0.00	18.18
96	t	Benzo[a]pyrene	1.242	1.113	10.4	90	0.00	18.66
97	t	Indeno[1,2,3-cd]pyrene	1.111	0.957	13.9	85	0.00	20.52
98	t	Dibenz(a,h)acridine	1.007	0.892	11.4	85	0.00	20.14
99	t	Dibenz[a,h]anthracene	1.164	0.997	14.3	85	0.00	20.57
100	t	7,12-Dimethylbenz(a)anthr	0.645	0.612	5.1	89	0.00	18.14
101	t	Benzo[g,h,i]perylene	1.123	0.955	15.0	87	0.00	21.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105671.D MM4300.M Sat Jun 28 15:48:18 2014 MSM

8.7.39

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4326-CC4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105672.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4326\m105672.D Vial: 3
Acq On : 27 Jun 2014 4:14 pm Operator: saumilp
Sample : CC4301-50 Inst : Instrument #1
Misc : op73826,em4326 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Sat Jun 28 15:47:32 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	111	0.00	4.79
103	t	Benzaldehyde	1.096	1.204	-9.9	123	-0.15	4.45
104	I	Acenaphthene-d10a	1.000	1.000	0.0	117	0.00	8.33
105	I	1,2,4,5-Tetrachlorobenzen	0.607	0.563	7.2	111	0.00	7.02
106	t	Atrazine	0.195	0.208	-6.7	116	0.04	10.55
107	I	Chrysene-d12a	1.000	1.000	0.0	108	0.00	16.14
108	t	Benzidine	0.604	0.723	-19.7	139	0.04	13.64
109	I	Naphthalene-d8a	1.000	1.000	0.0	114	0.00	5.95
110		hydroquinone	0.406	0.421	-3.7	111	-0.03	6.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105671.D MM4300.M Sat Jun 28 15:50:06 2014 MSM

8.7.40

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4327-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105697.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4327\m105697.D Vial: 2
Acq On : 28 Jun 2014 2:09 pm Operator: andrews1
Sample : cc4300-25 Inst : Instrument #1
Misc : op73826,em4327 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Sat Jun 28 18:00:20 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	121	0.00	4.79
2	t	1,4-Dioxane	0.721	0.659	8.6	126	0.00	2.35
3	t	Pyridine	1.788	1.759	1.6	130	0.00	2.67
4	t	N-Nitrosodimethylamine	0.647	0.646	0.2	132	0.00	2.64
5	S	2-Fluorophenol	1.425	1.380	3.2	124	0.00	3.81
6	t	Indene	2.638	2.577	2.3	125	0.00	5.00
7	t	Cumene	3.777	3.694	2.2	124	0.00	4.18
8	S	Phenol-d5	1.857	1.870	-0.7	132	0.00	4.53
9	t	Phenol	2.101	2.145	-2.1	127	0.00	4.54
10	t	Aniline	2.440	2.386	2.2	129	0.00	4.54
11	t	bis(2-Chloroethyl)ether	1.452	1.440	0.8	129	0.00	4.58
12	t	2-Chlorophenol	1.569	1.510	3.8	123	0.00	4.63
13	t	Decane	1.170	1.188	-1.5	132	0.00	4.66
14	t	1,3-Dichlorobenzene	1.637	1.616	1.3	126	0.00	4.75
15	t	1,4-Dichlorobenzene	1.702	1.650	3.1	124	0.00	4.80
16	t	Benzyl alcohol	1.067	1.051	1.5	127	0.00	4.90
17	t	1,2-Dichlorobenzene	1.577	1.522	3.5	125	0.00	4.93
18	t	Acetophenone	2.215	2.142	3.3	126	0.00	5.11
19	t	2-Methylphenol	1.403	1.422	-1.4	129	0.00	5.00
20	t	2,2'-oxybis(1-Chloropropa	0.462	0.461	0.2	127	0.00	5.00
21	t	3&4-Methylphenol	1.492	1.544	-3.5	133	0.00	5.13
22	t	n-Nitroso-di-n-propylamin	1.076	1.106	-2.8	137	0.00	5.11
23	t	Hexachloroethane	0.580	0.576	0.7	129	0.00	5.21
24	I	Naphthalene-d8	1.000	1.000	0.0	129	0.00	5.95
25	S	Nitrobenzene-d5	0.415	0.427	-2.9	138	0.00	5.25
26	t	Nitrobenzene	0.467	0.465	0.4	131	0.00	5.26
27	t	Quinoline	0.845	0.790	6.5	127	0.00	6.34
28	t	Isophorone	0.807	0.785	2.7	132	0.00	5.48
29	t	2-Nitrophenol	0.211	0.216	-2.4	128	0.00	5.56
30	t	2,4-Dimethylphenol	0.419	0.394	6.0	131	0.00	5.61
31	t	Benzoic acid	0.277	0.291	-5.1	137	0.00	5.71
32	t	bis(2-Chloroethoxy)methan	0.459	0.446	2.8	132	0.00	5.69
33	t	2,4-Dichlorophenol	0.315	0.326	-3.5	134	0.00	5.81
34	t	2,6-Dichlorophenol	0.319	0.321	-0.6	136	0.00	6.04
35	t	1,3,5-Trichlorobenzene	0.396	0.376	5.1	126	0.00	5.57
36	t	1,2,4-Trichlorobenzene	0.372	0.365	1.9	133	0.00	5.89
37	t	1,2,3-Trichlorobenzene	0.378	0.359	5.0	129	0.00	6.13
38	t	Naphthalene	1.230	1.165	5.3	129	0.00	5.97
39	t	4-Chloroaniline	0.538	0.504	6.3	126	0.00	6.03
40	t	2,3-Dichloroaniline	0.409	0.390	4.6	129	0.00	7.17
41	t	Caprolactam	0.164	0.163	0.6	132	0.00	6.41

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4327-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105697.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.214	0.190	11.2	119	0.00	6.11
43	t	4-Chloro-3-methylphenol	0.365	0.371	-1.6	135	0.00	6.62
44	t	2-Methylnaphthalene	0.678	0.645	4.9	130	0.00	6.79
45	t	1-Methylnaphthalene	0.780	0.739	5.3	129	0.00	6.92
46	t	Dimethylnaphthalene	0.703	0.688	2.1	132	0.00	7.67
47	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00	8.32
48	t	Hexachlorocyclopentadiene	0.340	0.323	5.0	121	0.00	7.01
49	t	2,4,6-Trichlorophenol	0.388	0.388	0.0	139	0.00	7.19
50	t	2,4,5-Trichlorophenol	0.420	0.430	-2.4	139	0.00	7.24
51	S	2-Fluorobiphenyl	1.387	1.331	4.0	133	0.00	7.29
52	t	2-Chloronaphthalene	1.302	1.180	9.4	127	0.00	7.46
53	t	Biphenyl	1.637	1.534	6.3	131	0.00	7.44
54	t	2-Nitroaniline	0.356	0.371	-4.2	137	0.00	7.63
55	t	Dimethylphthalate	1.379	1.329	3.6	135	0.00	7.92
56	t	Acenaphthylene	1.990	1.917	3.7	134	0.00	8.09
57	t	2,6-Dinitrotoluene	0.298	0.314	-5.4	133	0.00	8.00
58	t	3-Nitroaniline	0.350	0.354	-1.1	134	0.00	8.27
59	t	Acenaphthene	1.234	1.150	6.8	131	0.00	8.37
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	49.358	1.3	137	0.00	8.45
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.187	0.175	6.4	120	0.00	8.62
62	t	Dibenzofuran	1.814	1.677	7.6	130	0.00	8.66
63	t	2,4-Dinitrotoluene	0.407	0.432	-6.1	132	0.00	8.67
64	t	2,3,4,6-Tetrachlorophenol	0.321	0.311	3.1	127	0.00	8.90
65	t	Diethylphthalate	1.342	2.414	-79.9#	247#	0.00	9.12
66	t	Fluorene	1.409	1.348	4.3	132	0.00	9.25
67	t	4-Chlorophenyl-phenylethe	0.684	0.659	3.7	133	0.00	9.28
68	t	4-Nitroaniline	0.362	0.354	2.2	127	0.00	9.32
69	I	Phenanthrene-d10	1.000	1.000	0.0	132	0.00	10.95
70	t	4,6-Dinitro-2-methylpheno	0.144	0.143	0.7	142	0.00	9.38
71	t	n-Nitrosodiphenylamine	0.549	0.539	1.8	133	0.00	9.49
72	t	1,2-Diphenylhydrazine	0.888	0.860	3.2	133	0.00	9.56
73	S	2,4,6-Tribromophenol	0.088	0.091	-3.4	130	0.00	9.68
74	t	4-Bromophenyl-phenylether	0.208	0.190	8.7	128	0.00	10.16
75	t	Hexachlorobenzene	0.227	0.198	12.8	120	0.00	10.25
76	t	Pentachlorophenol	0.138	0.116	15.9	104	0.00	10.64
77	t	Phenanthrene	1.215	1.176	3.2	133	0.00	11.00
78	t	Anthracene	1.208	1.222	-1.2	137	0.00	11.09
79	t	Carbazole	1.147	1.139	0.7	134	0.00	11.44
80	t	Di-n-butylphthalate	1.267	1.338	-5.6	137	0.00	12.24
81	t	Fluoranthene	1.283	1.263	1.6	134	0.00	13.29
82	t	Octadecane	0.404	0.440	-8.9	144	0.00	10.94
83	I	Chrysene-d12	1.000	1.000	0.0	125	0.00	16.14
84	t	Pyrene	1.380	1.433	-3.8	132	0.00	13.72
85		Butyl stearate	0.272	0.494	-81.6#	213#	0.00	15.42
86	S	Terphenyl-d14	0.896	0.881	1.7	125	0.00	14.13
87	t	Butylbenzylphthalate	0.557	0.645	-15.8	141	0.00	15.18
88	t	Benzo[a]anthracene	1.242	1.234	0.6	128	0.00	16.11
89	t	3,3'-Dichlorobenzidine	0.414	0.436	-5.3	127	0.00	16.14
90	t	Chrysene	1.179	1.174	0.4	129	0.00	16.18
91	t	bis(2-Ethylhexyl)phthalat	0.745	0.909	-22.0#	145	0.00	16.40
92	I	Perylene-d12	1.000	1.000	0.0	126	0.00	18.76

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4327-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105697.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	28.948	-15.8	149	0.00	17.63

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.419	1.326	6.6	127	0.00	18.11
95	t	Benzo[k]fluoranthene	1.401	1.251	10.7	122	0.00	18.17
96	t	Benzo[a]pyrene	1.242	1.191	4.1	131	0.00	18.66
97	t	Indeno[1,2,3-cd]pyrene	1.111	1.018	8.4	126	0.00	20.51
98	t	Dibenz(a,h)acridine	1.007	0.966	4.1	127	0.00	20.13
99	t	Dibenz[a,h]anthracene	1.164	1.071	8.0	126	0.00	20.56
100	t	7,12-Dimethylbenz(a)anthr	0.645	0.636	1.4	128	0.00	18.12
101	t	Benzo[g,h,i]perylene	1.123	1.033	8.0	126	0.00	20.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105697.D MM4300.M Sat Jun 28 18:01:52 2014 MSM

8.7.41

8

Continuing Calibration Summary

Job Number: JB69534 **Sample:** EM4327-CC4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105698.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4327\m105698.D Vial: 3
Acq On : 28 Jun 2014 2:38 pm Operator: andrews1
Sample : cc4301-25 Inst : Instrument #1
Misc : op73826,em4327 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Sat Jun 28 18:00:20 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	132	0.00	4.79
103	t	Benzaldehyde	1.096	1.269	-15.8	142	-0.15	4.45
104	I	Acenaphthene-d10a	1.000	1.000	0.0	131	0.00	8.32
105	I	1,2,4,5-Tetrachlorobenzen	0.607	0.610	-0.5	135	-0.01	7.02
106	t	Atrazine	0.195	0.219	-12.3	141	0.03	10.54
107	I	Chrysene-d12a	1.000	1.000	0.0	132	0.00	16.13
108	t	Benzidine	0.604	0.729	-20.7#	146	0.03	13.64
109	I	Naphthalene-d8a	1.000	1.000	0.0	135	0.00	5.95
110		hydroquinone	0.406	0.448	-10.3	144	-0.04	6.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105697.D MM4300.M Sat Jun 28 18:03:17 2014 MSM

8.7.42

8

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62612.D
Acq On : 27 Jun 2014 11:34 pm
Operator : kristis
Sample : jb69534-1
Misc : op75766,e3e2682,30.5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 16:33:56 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration

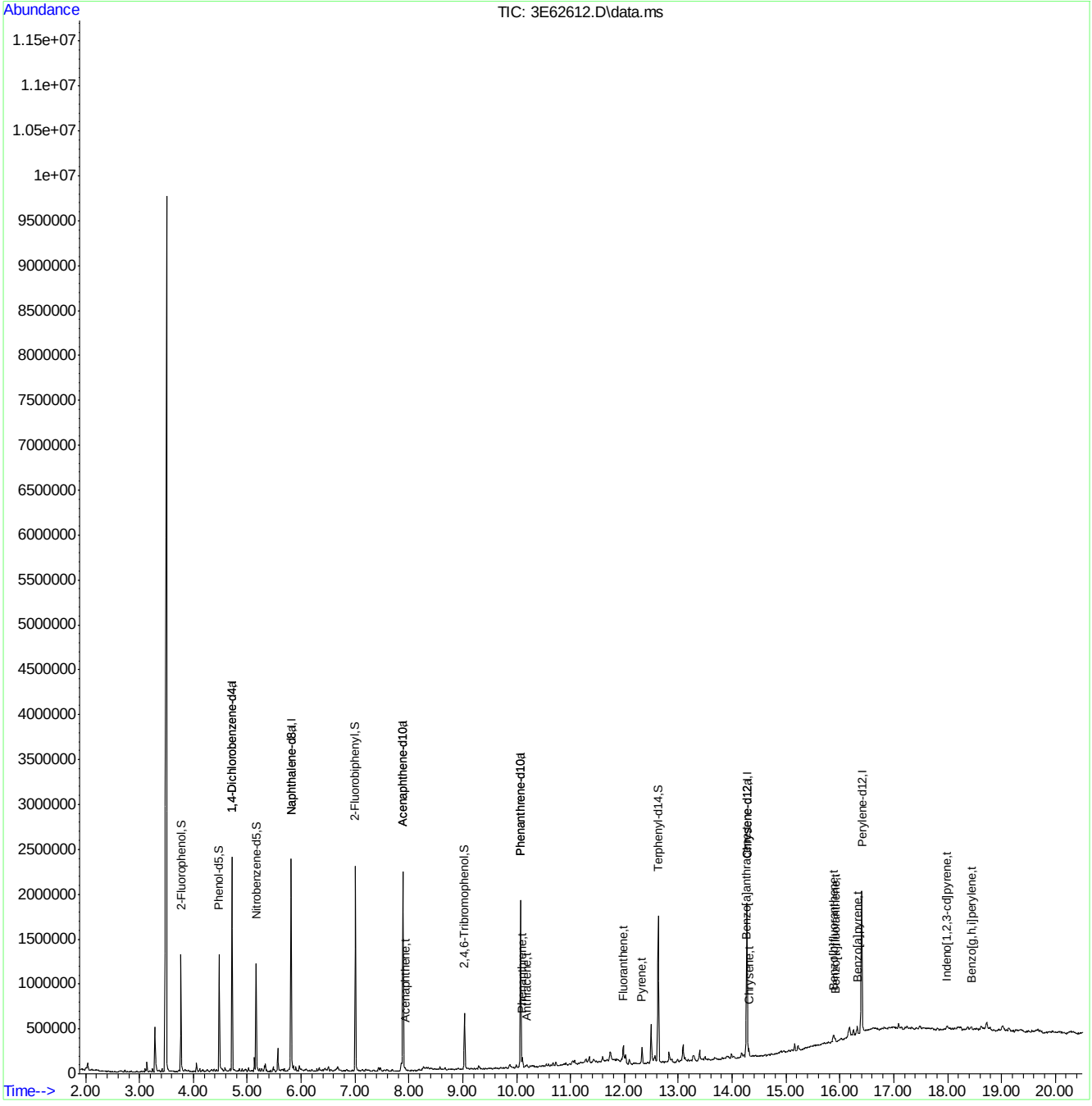
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	308285	40.00	ppb	0.00
24) Naphthalene-d8	5.813	136	1074357	40.00	ppb	0.00
47) Acenaphthene-d10	7.888	164	566921	40.00	ppb	0.00
69) Phenanthrene-d10	10.076	188	822430	40.00	ppb	0.01
83) Chrysene-d12	14.274	240	672406	40.00	ppb	0.02
92) Perylene-d12	16.408	264	623772	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	4.716	152	308285	40.00	ppb	0.00
104) Acenaphthene-d10a	7.888	164	566921	40.00	ppb	0.00
106) Phenanthrene-d10a	10.076	188	822430	40.00	ppb	0.01
110) Chrysene-d12a	14.274	240	672406	40.00	ppb	0.02
112) Naphthalene-d8a	5.813	136	1074357	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.764	112	366708	36.65	ppb	0.01
Spiked Amount 50.000			Recovery = 73.30%			
8) Phenol-d5	4.476	99	416516	33.38	ppb	0.00
Spiked Amount 50.000			Recovery = 66.76%			
25) Nitrobenzene-d5	5.160	82	365391	37.63	ppb	0.00
Spiked Amount 50.000			Recovery = 75.26%			
51) 2-Fluorobiphenyl	7.005	172	753479	39.51	ppb	0.00
Spiked Amount 50.000			Recovery = 79.02%			
73) 2,4,6-Tribromophenol	9.033	330	70671	38.60	ppb	0.01
Spiked Amount 50.000			Recovery = 77.20%			
85) Terphenyl-d14	12.632	244	656820	43.88	ppb	0.02
Spiked Amount 50.000			Recovery = 87.76%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
59) Acenaphthene	7.931	153	8391	0.46	ppb	89
77) Phenanthrene	10.108	178	53173	2.05	ppb	97
78) Anthracene	10.188	178	13375	0.51	ppb	97
81) Fluoranthene	11.980	202	93032	3.59	ppb	99
84) Pyrene	12.333	202	83847	3.52	ppb	98
88) Benzo[a]anthracene	14.258	228	38596	1.82	ppb	92
90) Chrysene	14.312	228	39795	2.07	ppb	97
94) Benzo[b]fluoranthene	15.879	252	46587	2.10	ppb	98
95) Benzo[k]fluoranthene	15.911	252	16529	0.78	ppb	92
96) Benzo[a]pyrene	16.323	252	36264	1.89	ppb	86
97) Indeno[1,2,3-cd]pyrene	17.986	276	22424	0.99	ppb	89
101) Benzo[g,h,i]perylene	18.441	276	22618	1.25	ppb	98

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

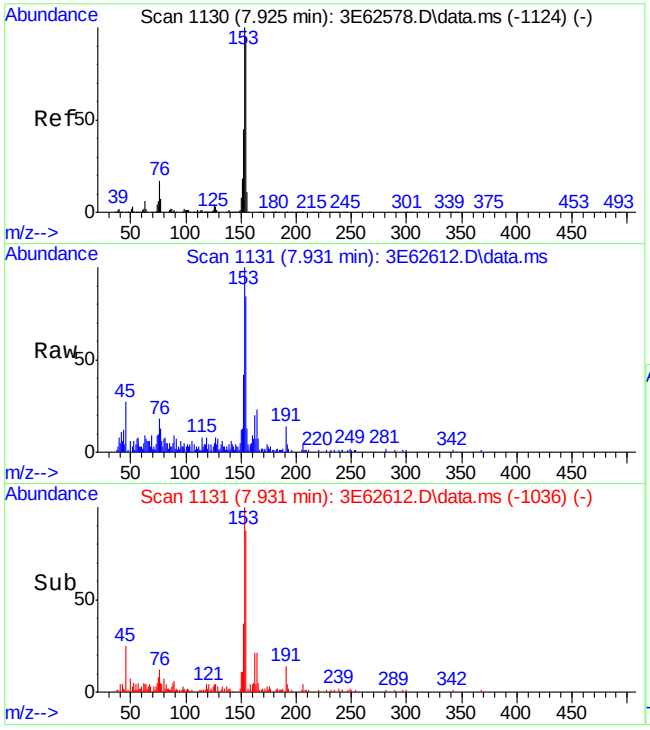
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62612.D
Acq On : 27 Jun 2014 11:34 pm
Operator : kristis
Sample : jb69534-1
Misc : op75766,e3e2682,30.5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 16:33:56 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration



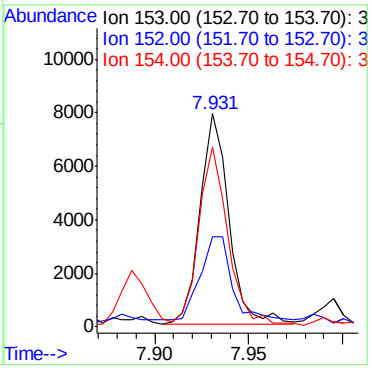
ACCUTEST LABORATORIES JB69534

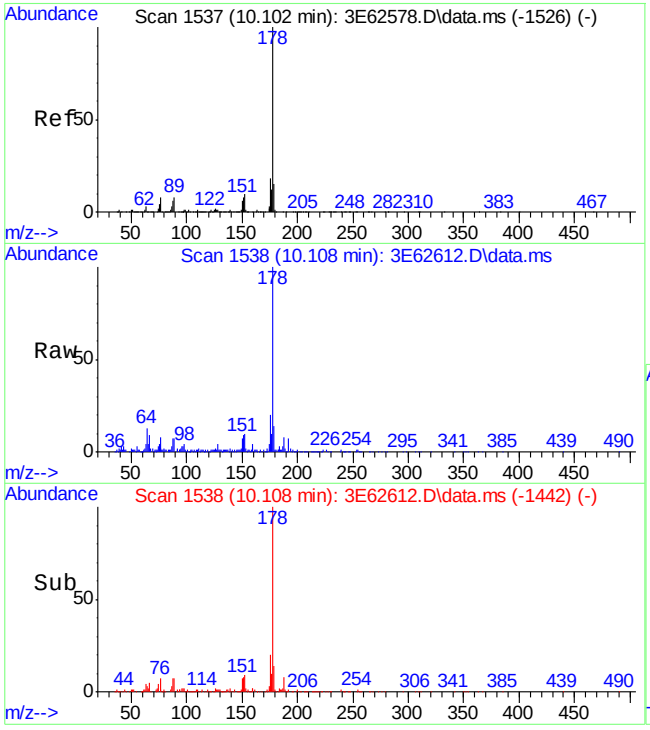


#59
Acenaphthene
Concen: 0.46 ppb
RT: 7.931 min Scan# 1131
Delta R.T. 0.006 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:153 Resp: 8391

Ion	Ratio	Lower	Upper
153	100		
152	40.0	15.1	75.1
154	82.9	65.4	125.4

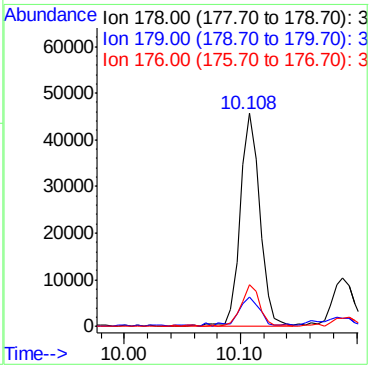


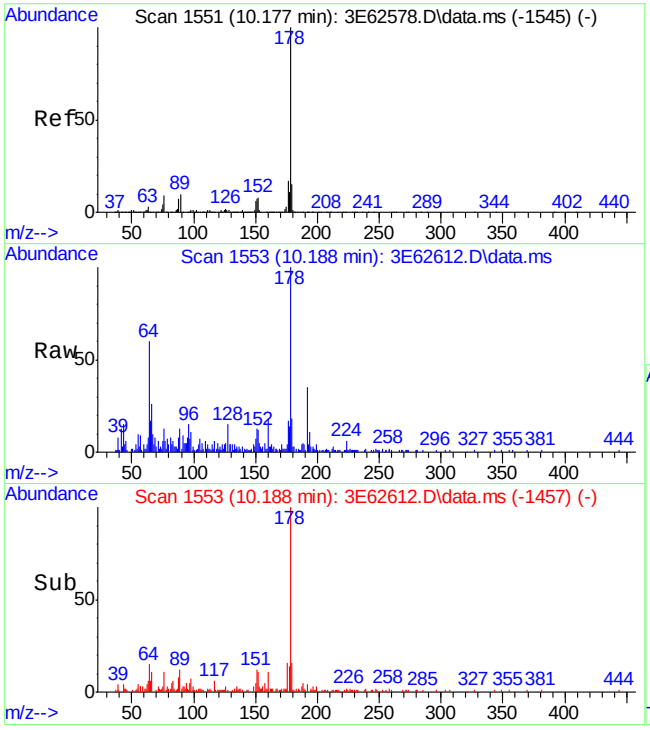


#77
Phenanthrene
Concen: 2.05 ppb
RT: 10.108 min Scan# 1538
Delta R.T. 0.011 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:178 Resp: 53173

Ion	Ratio	Lower	Upper
178	100		
179	13.1	0.0	44.8
176	19.4	0.0	48.4

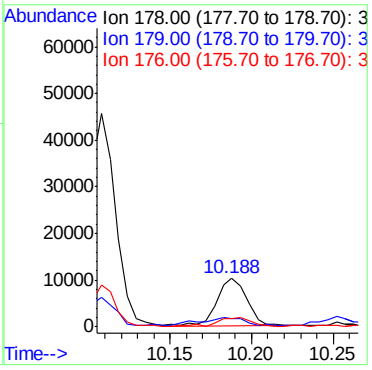


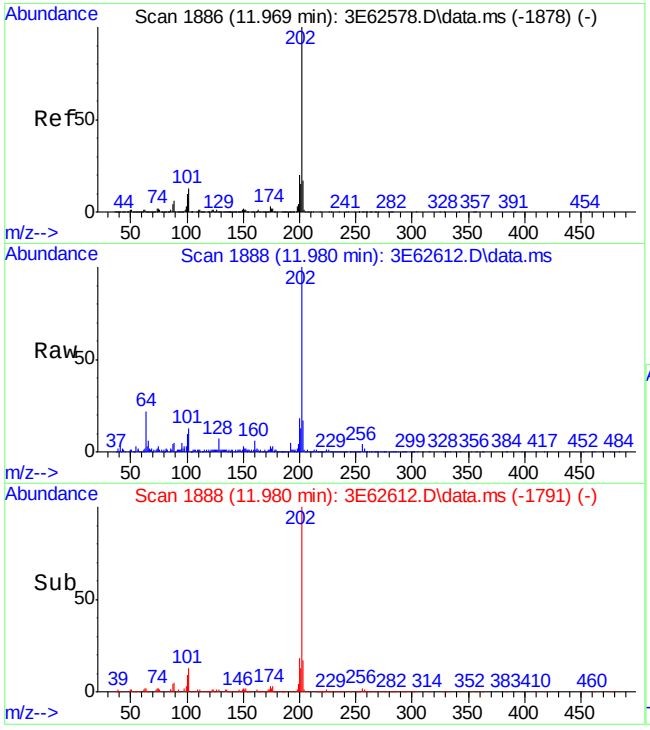


#78
Anthracene
Concen: 0.51 ppb
RT: 10.188 min Scan# 1553
Delta R.T. 0.011 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:178 Resp: 13375

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.3
176	15.6	0.0	47.2

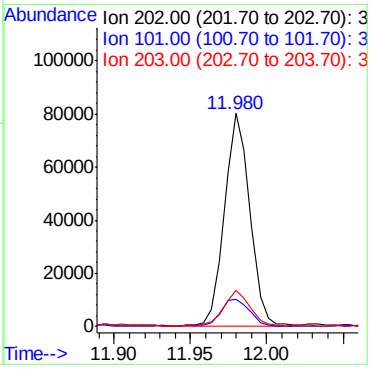


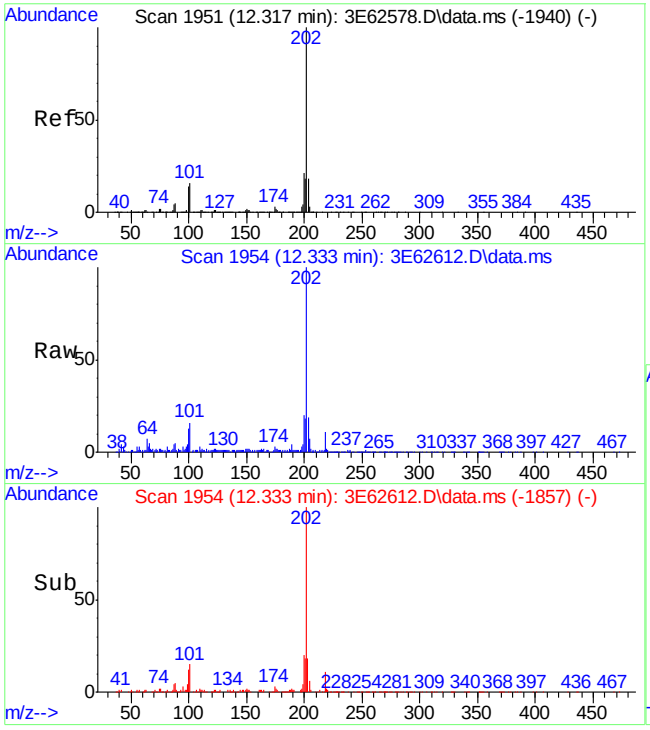


#81
Fluoranthene
Concen: 3.59 ppb
RT: 11.980 min Scan# 1888
Delta R.T. 0.016 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:202 Resp: 93032

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	42.8
203	16.5	0.0	47.0

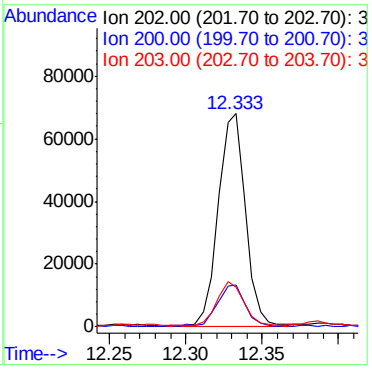


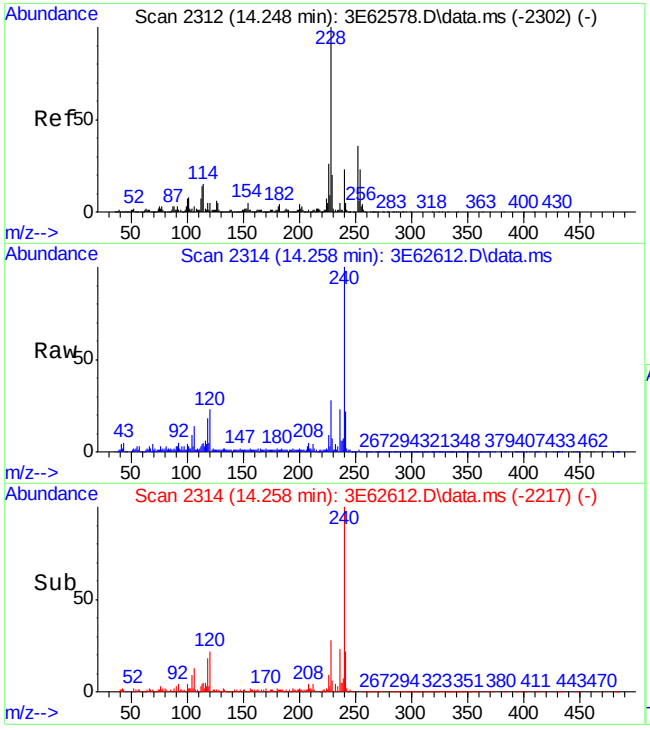


#84
Pyrene
Concen: 3.52 ppb
RT: 12.333 min Scan# 1954
Delta R.T. 0.016 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:202 Resp: 83847

Ion	Ratio	Lower	Upper
202	100		
200	19.6	0.0	50.7
203	17.8	0.0	48.3

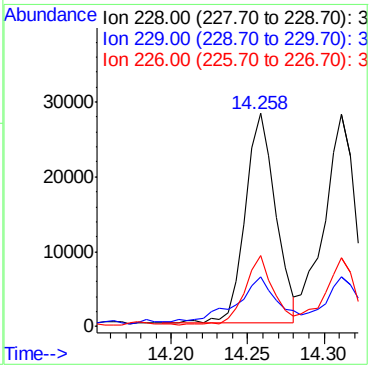


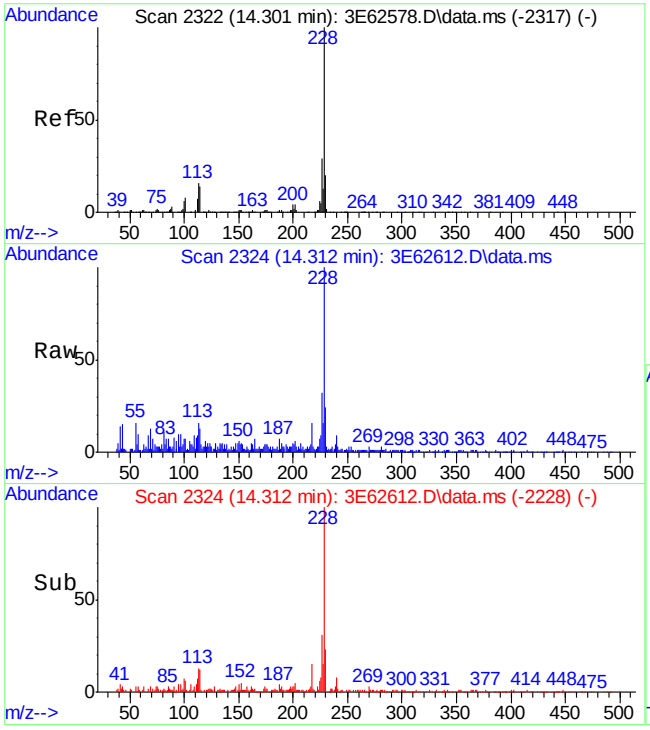


#88
Benzo[a]anthracene
Concen: 1.82 ppb
RT: 14.258 min Scan# 2314
Delta R.T. 0.016 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:228 Resp: 38596

Ion	Ratio	Lower	Upper
228	100		
229	20.2	0.0	49.7
226	32.8	0.0	55.7

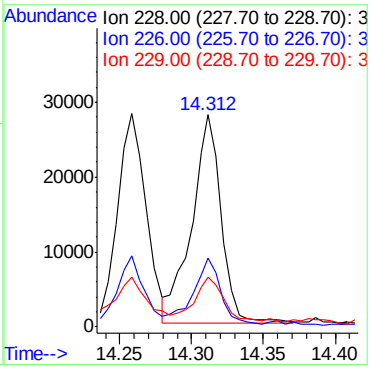


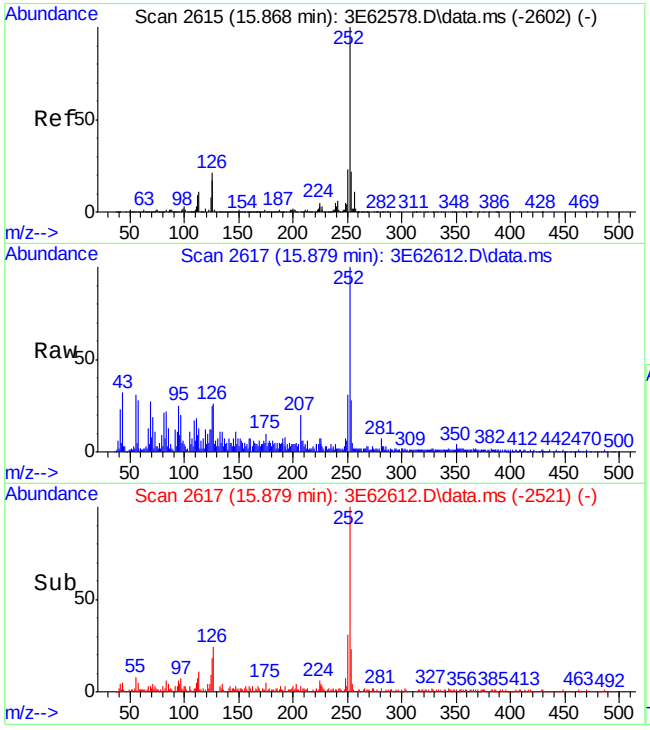


#90
Chrysene
Concen: 2.07 ppb
RT: 14.312 min Scan# 2324
Delta R.T. 0.011 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:228 Resp: 39795

Ion	Ratio	Lower	Upper
228	100		
226	31.3	0.0	58.7
229	19.9	0.0	49.8

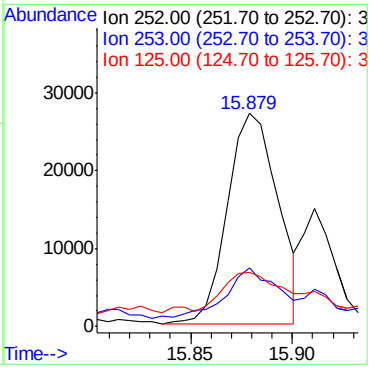


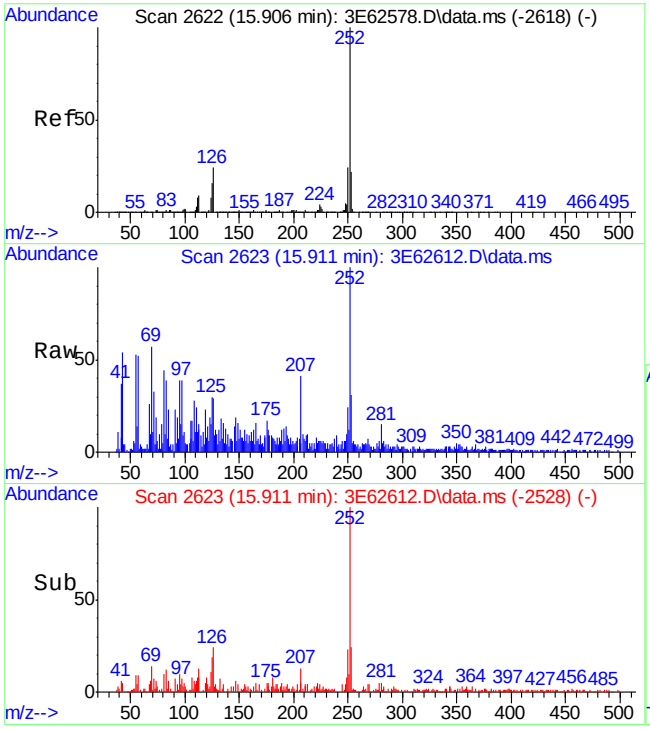


#94
Benzo[b]fluoranthene
Concen: 2.10 ppb
RT: 15.879 min Scan# 2617
Delta R.T. 0.011 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:252 Resp: 46587

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	52.3
125	17.4	0.0	46.7

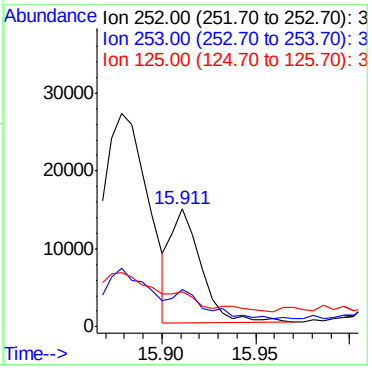


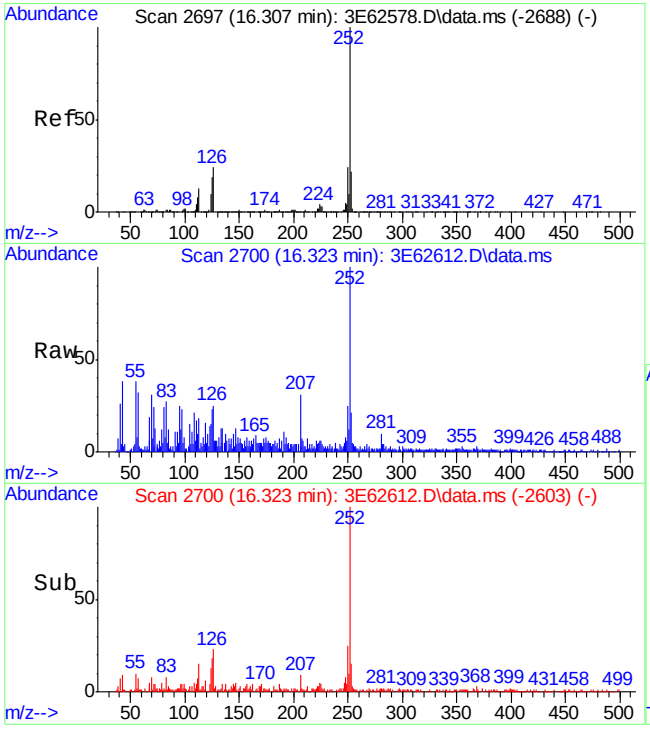


#95
Benzo[k]fluoranthene
Concen: 0.78 ppb
RT: 15.911 min Scan# 2623
Delta R.T. 0.006 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:252 Resp: 16529

Ion	Ratio	Lower	Upper
252	100		
253	25.7	0.0	52.0
125	12.2	0.0	46.2

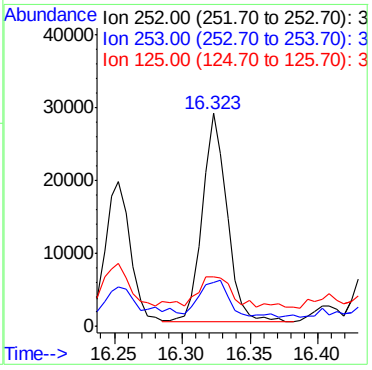


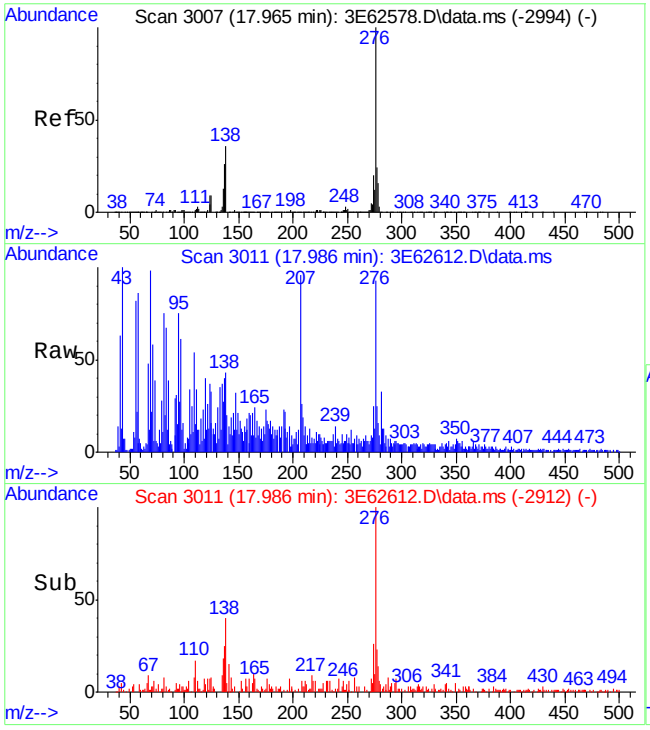


#96
Benzo[a]pyrene
Concen: 1.89 ppb
RT: 16.323 min Scan# 2700
Delta R.T. 0.016 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:252 Resp: 36264

Ion	Ratio	Lower	Upper
252	100		
253	15.0	0.0	51.8
125	13.1	0.0	48.8

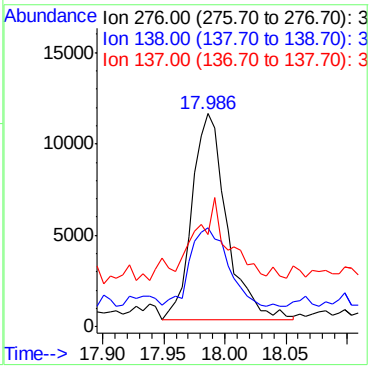


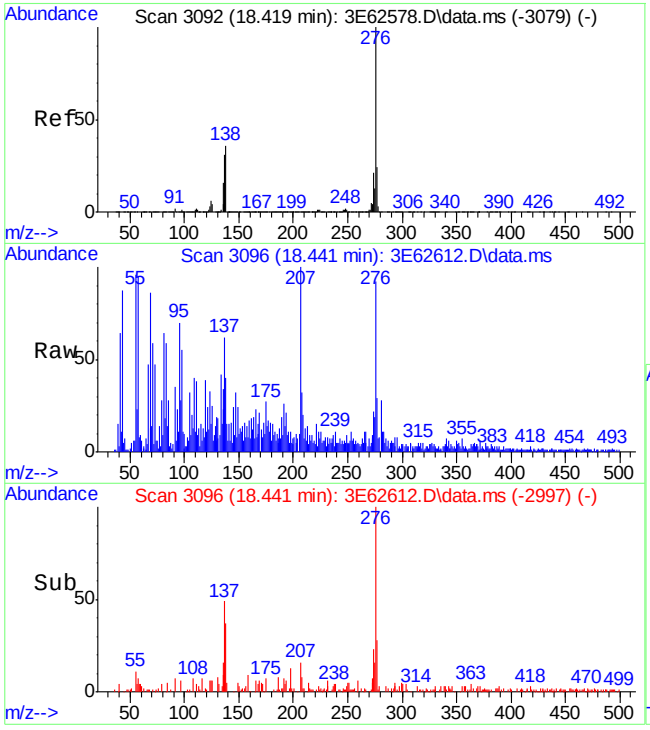


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.99 ppb
RT: 17.986 min Scan# 3011
Delta R.T. 0.027 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:276 Resp: 22424

Ion	Ratio	Lower	Upper
276	100		
138	37.1	6.3	66.3
137	13.5	0.0	56.4

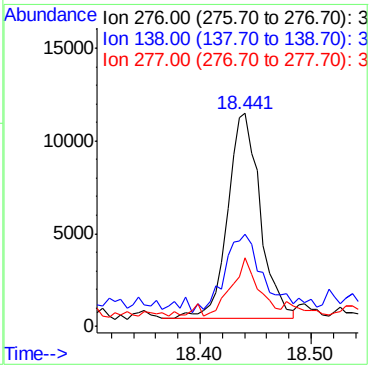




#101
Benzo[g,h,i]perylene
Concen: 1.25 ppb
RT: 18.441 min Scan# 3096
Delta R.T. 0.027 min
Lab File: 3E62612.D
Acq: 27 Jun 2014 11:34 pm

Tgt Ion:276 Resp: 22618

Ion	Ratio	Lower	Upper
276	100		
138	36.0	5.9	65.9
277	25.6	0.0	53.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62627.D
Acq On : 28 Jun 2014 6:32 pm
Operator : andrews1
Sample : jb69534-2
Misc : op75766,e3e2683,31.5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 11:15:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

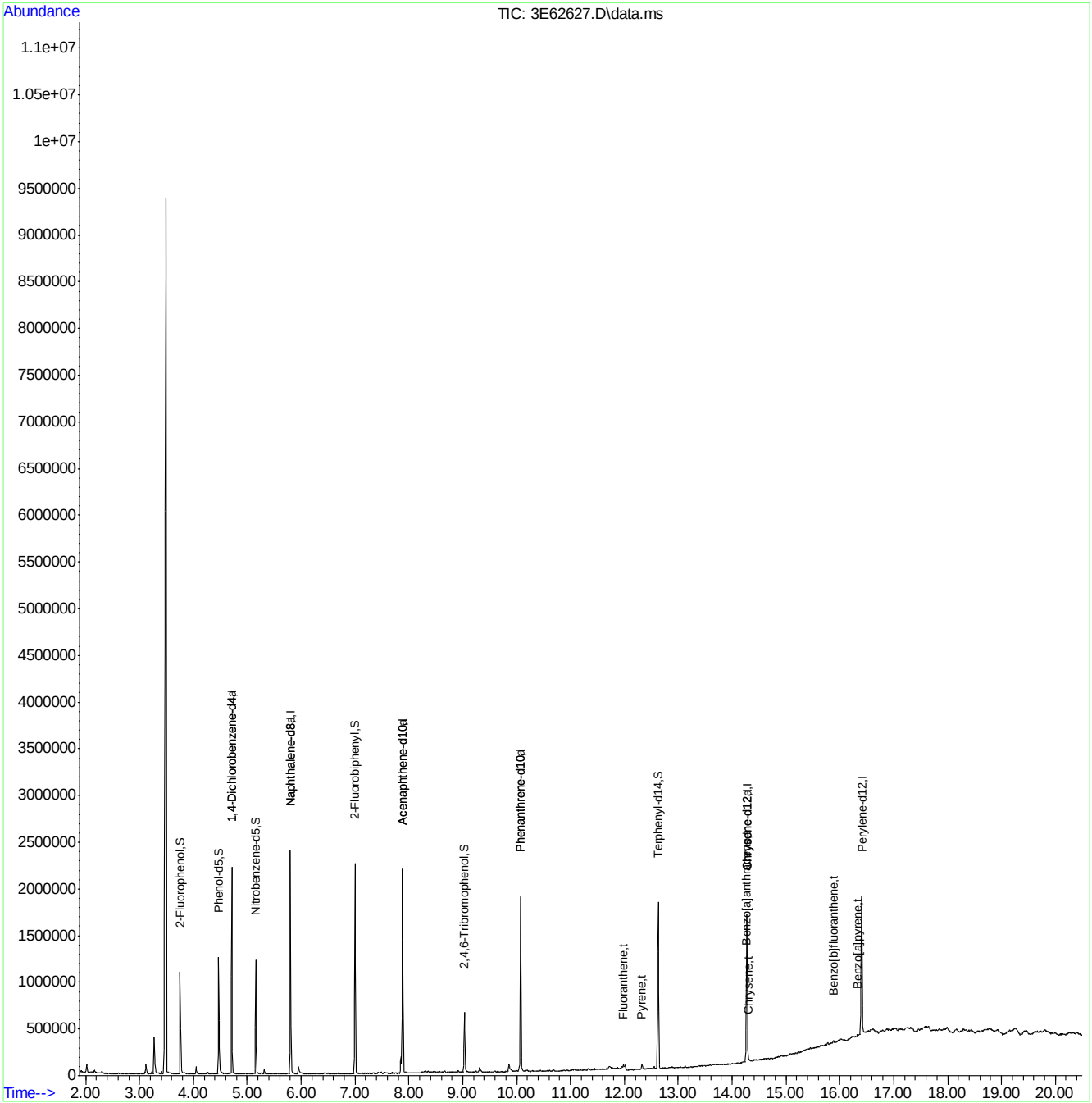
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	278317	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1032545	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	568153	40.00	ppb	0.01
69) Phenanthrene-d10	10.075	188	822748	40.00	ppb	0.02
83) Chrysene-d12	14.274	240	635782	40.00	ppb	0.01
92) Perylene-d12	16.408	264	589274	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	4.711	152	278317	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	568153	40.00	ppb	0.01
106) Phenanthrene-d10a	10.075	188	822748	40.00	ppb	0.02
110) Chrysene-d12a	14.274	240	635782	40.00	ppb	0.01
112) Naphthalene-d8a	5.802	136	1032545	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.759	112	347308	38.44	ppb	0.01
Spiked Amount 50.000			Recovery = 76.88%			
8) Phenol-d5	4.470	99	424168	37.65	ppb	0.00
Spiked Amount 50.000			Recovery = 75.30%			
25) Nitrobenzene-d5	5.155	82	362547	38.85	ppb	0.00
Spiked Amount 50.000			Recovery = 77.70%			
51) 2-Fluorobiphenyl	7.000	172	749786	39.23	ppb	0.01
Spiked Amount 50.000			Recovery = 78.46%			
73) 2,4,6-Tribromophenol	9.032	330	71174	38.86	ppb	0.02
Spiked Amount 50.000			Recovery = 77.72%			
85) Terphenyl-d14	12.627	244	685655	48.44	ppb	0.02
Spiked Amount 50.000			Recovery = 96.88%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
81) Fluoranthene	11.980	202	26986	1.04	ppb	97
84) Pyrene	12.327	202	26311	1.17	ppb	95
88) Benzo[a]anthracene	14.258	228	12319	0.61	ppb	99
90) Chrysene	14.312	228	9526	0.52	ppb	92
94) Benzo[b]fluoranthene	15.879	252	12251	0.58	ppb	84
96) Benzo[a]pyrene	16.323	252	9427	0.52	ppb	98

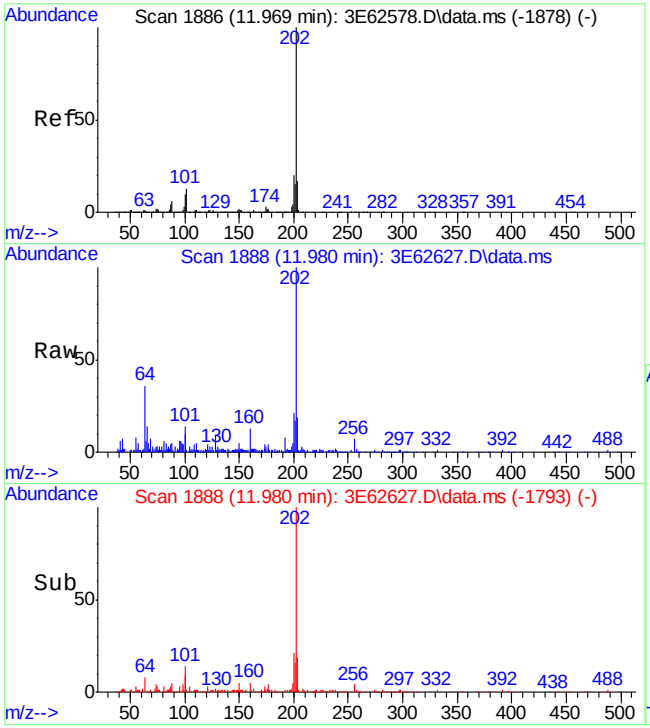
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62627.D
Acq On : 28 Jun 2014 6:32 pm
Operator : andrews1
Sample : jb69534-2
Misc : op75766,e3e2683,31.5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 11:15:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

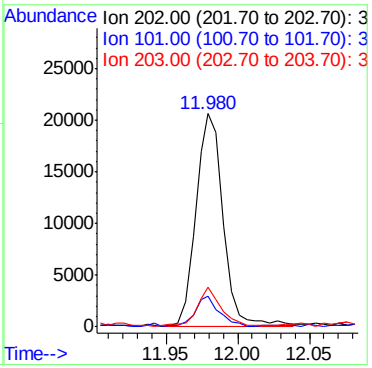


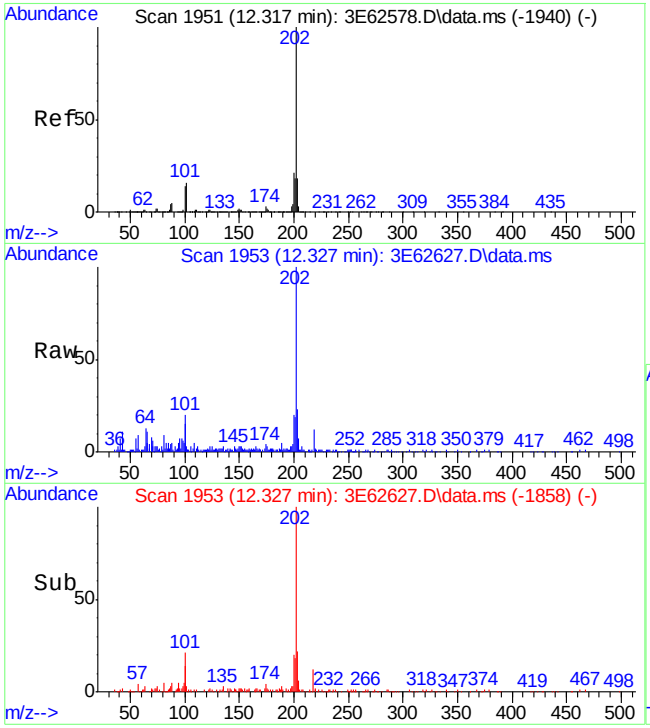


#81
Fluoranthene
Concen: 1.04 ppb
RT: 11.980 min Scan# 1888
Delta R.T. 0.011 min
Lab File: 3E62627.D
Acq: 28 Jun 2014 6:32 pm

Tgt Ion:202 Resp: 26986

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	42.8
203	17.9	0.0	47.0

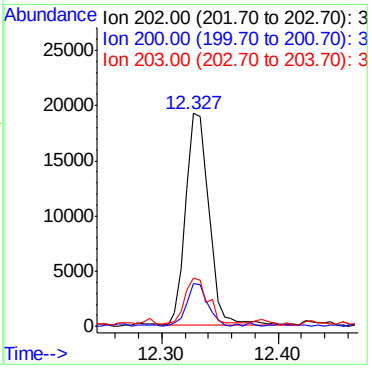


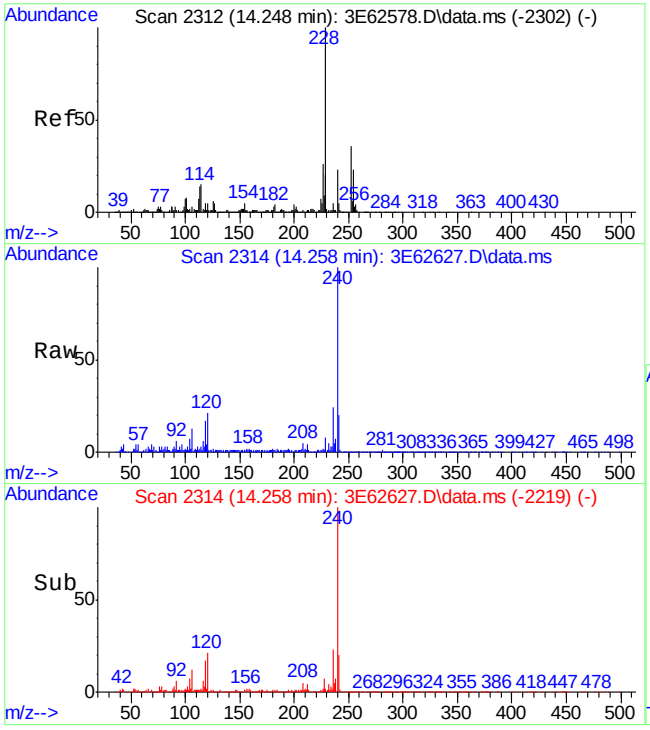


#84
Pyrene
Concen: 1.17 ppb
RT: 12.327 min Scan# 1953
Delta R.T. 0.011 min
Lab File: 3E62627.D
Acq: 28 Jun 2014 6:32 pm

Tgt Ion:202 Resp: 26311

Ion	Ratio	Lower	Upper
202	100		
200	19.7	0.0	50.7
203	22.0	0.0	48.3

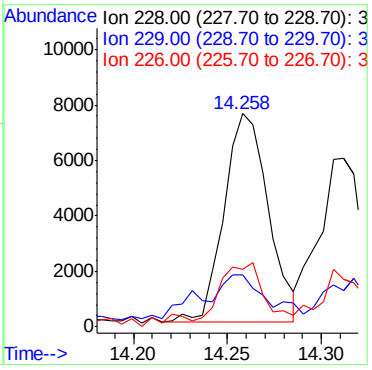


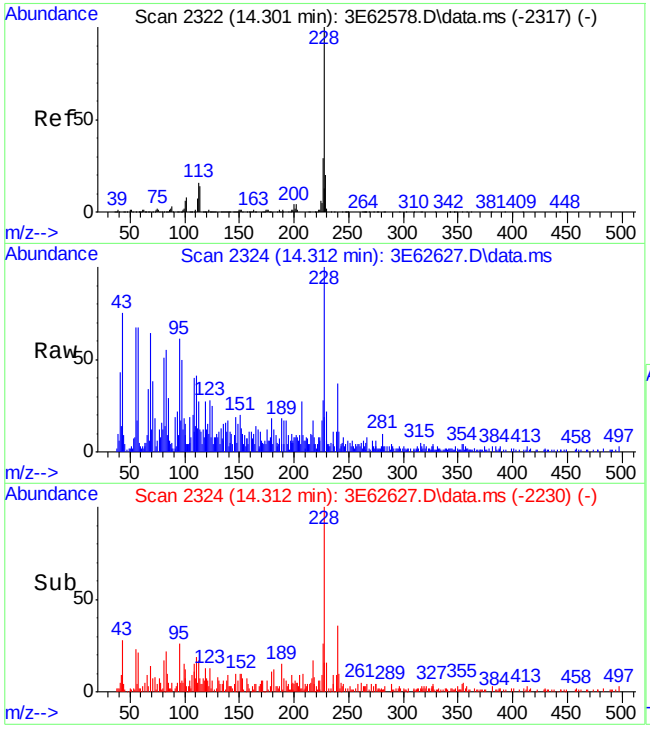


#88
Benzo[a]anthracene
Concen: 0.61 ppb
RT: 14.258 min Scan# 2314
Delta R.T. 0.011 min
Lab File: 3E62627.D
Acq: 28 Jun 2014 6:32 pm

Tgt Ion:228 Resp: 12319

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	49.7
226	25.8	0.0	55.7

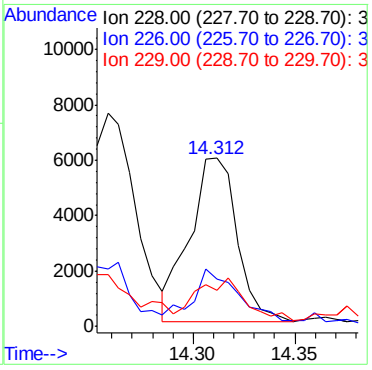


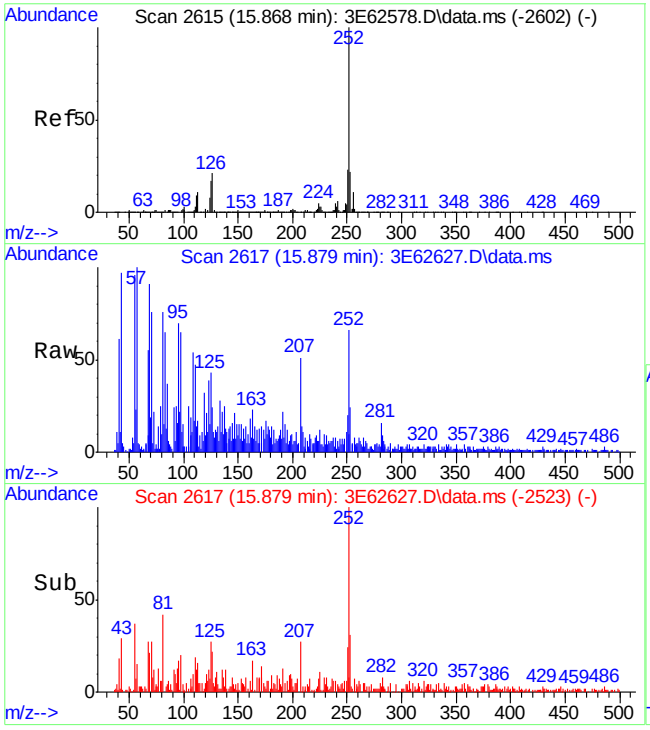


#90
Chrysene
Concen: 0.52 ppb
RT: 14.312 min Scan# 2324
Delta R.T. 0.005 min
Lab File: 3E62627.D
Acq: 28 Jun 2014 6:32 pm

Tgt Ion:228 Resp: 9526

Ion	Ratio	Lower	Upper
228	100		
226	26.4	0.0	58.7
229	14.2	0.0	49.8

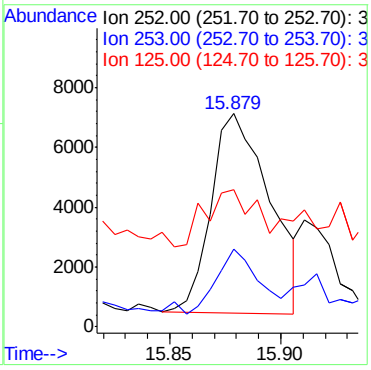


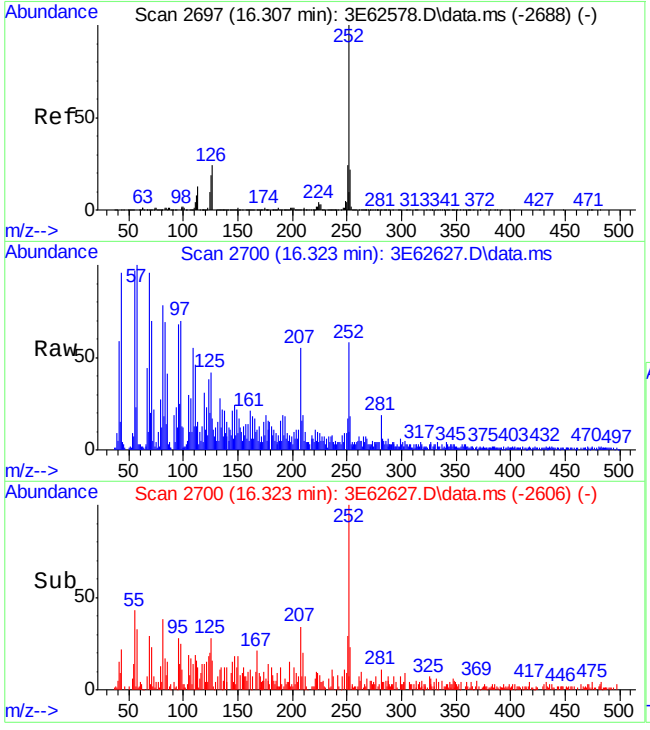


#94
Benzo[b]fluoranthene
Concen: 0.58 ppb
RT: 15.879 min Scan# 2617
Delta R.T. 0.005 min
Lab File: 3E62627.D
Acq: 28 Jun 2014 6:32 pm

Tgt Ion:252 Resp: 12251

Ion	Ratio	Lower	Upper
252	100		
253	31.0	0.0	52.3
125	22.5	0.0	46.7

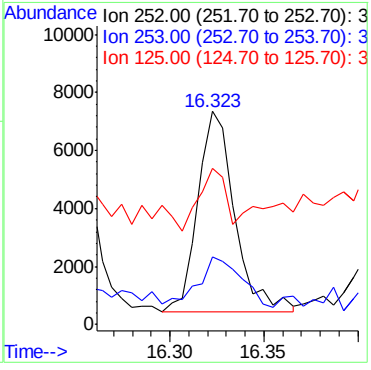




#96
Benzo[a]pyrene
Concen: 0.52 ppb
RT: 16.323 min Scan# 2700
Delta R.T. 0.005 min
Lab File: 3E62627.D
Acq: 28 Jun 2014 6:32 pm

Tgt Ion:252 Resp: 9427

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.8
125	20.4	0.0	48.8



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/01/14 14:16

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62628.D
Acq On : 28 Jun 2014 6:59 pm
Operator : andrews1
Sample : jb69534-3
Misc : op75766,e3e2683,30.5
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 11:16:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

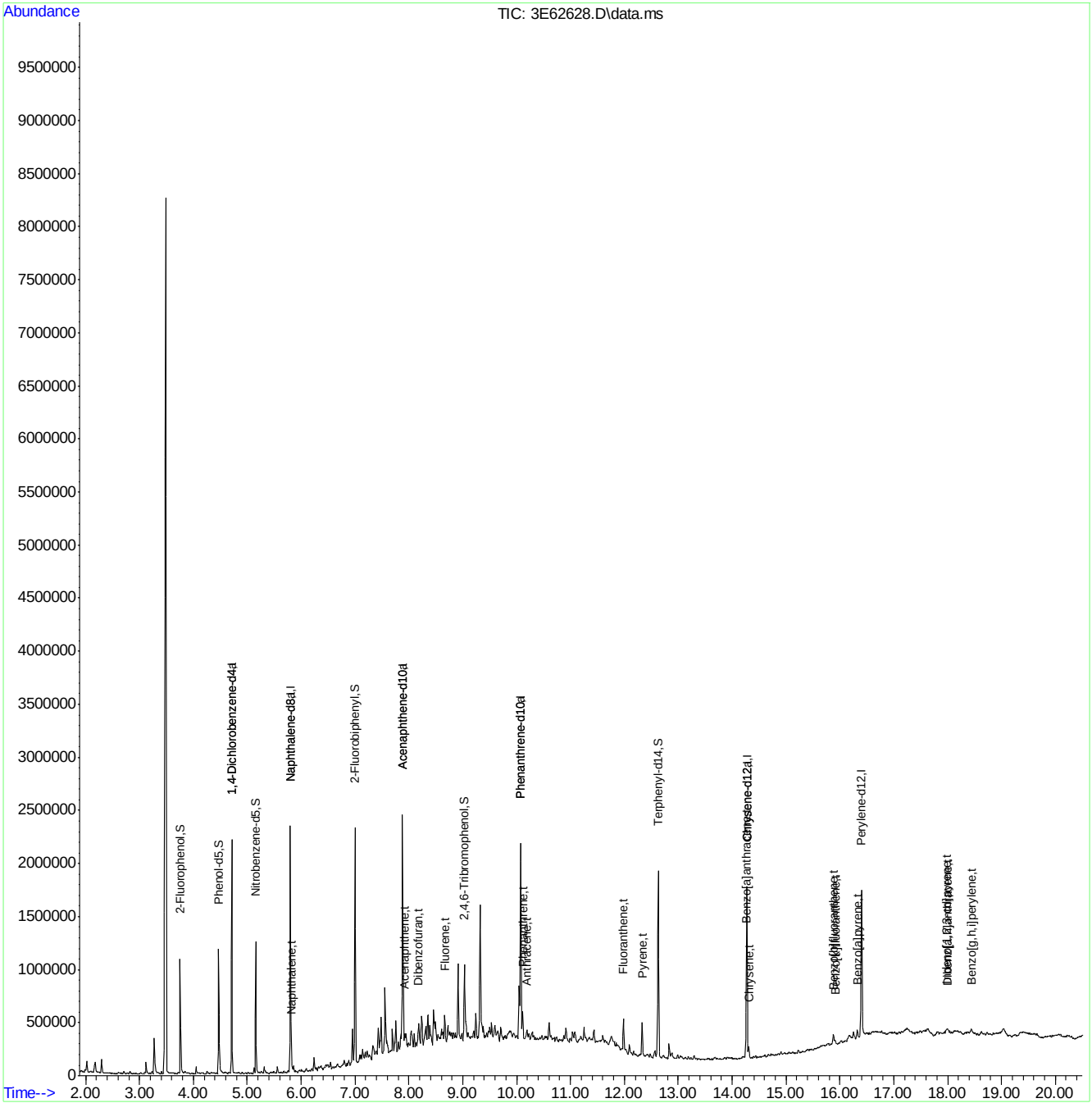
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	271534	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1003648	40.00	ppb	0.00
47) Acenaphthene-d10	7.882	164	562430	40.00	ppb	0.01
69) Phenanthrene-d10	10.075	188	829104	40.00	ppb	0.02
83) Chrysene-d12	14.274	240	633570	40.00	ppb	0.01
92) Perylene-d12	16.403	264	547451	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	4.711	152	271534	40.00	ppb	0.00
104) Acenaphthene-d10a	7.882	164	562430	40.00	ppb	0.01
106) Phenanthrene-d10a	10.075	188	829104	40.00	ppb	0.02
110) Chrysene-d12a	14.274	240	633570	40.00	ppb	0.01
112) Naphthalene-d8a	5.802	136	1003648	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.759	112	336721	38.20	ppb	0.01
Spiked Amount 50.000			Recovery = 76.40%			
8) Phenol-d5	4.470	99	401676	36.55	ppb	0.00
Spiked Amount 50.000			Recovery = 73.10%			
25) Nitrobenzene-d5	5.155	82	345838	38.12	ppb	0.00
Spiked Amount 50.000			Recovery = 76.24%			
51) 2-Fluorobiphenyl	7.000	172	746845	39.47	ppb	0.01
Spiked Amount 50.000			Recovery = 78.94%			
73) 2,4,6-Tribromophenol	9.032	330	73985	40.09	ppb	0.02
Spiked Amount 50.000			Recovery = 80.18%			
85) Terphenyl-d14	12.627	244	677373	48.03	ppb	0.02
Spiked Amount 50.000			Recovery = 96.06%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
38) Naphthalene	5.823	128	22838	0.79	ppb	97
59) Acenaphthene	7.925	153	22202	1.22	ppb	95
62) Dibenzofuran	8.171	168	12025m	0.49	ppb	
66) Fluorene	8.669	166	29754	1.50	ppb	94
77) Phenanthrene	10.113	178	122673	4.70	ppb	98
78) Anthracene	10.188	178	32609	1.23	ppb	99
81) Fluoranthene	11.985	202	149446	5.73	ppb	99
84) Pyrene	12.333	202	140916	6.27	ppb	98
88) Benzo[a]anthracene	14.258	228	46434	2.32	ppb	94
90) Chrysene	14.312	228	48172	2.65	ppb	96
94) Benzo[b]fluoranthene	15.879	252	51251	2.63	ppb	98
95) Benzo[k]fluoranthene	15.911	252	14048	0.76	ppb	95
96) Benzo[a]pyrene	16.323	252	37912	2.25	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.991	276	21630	1.09	ppb	87
99) Dibenz[a,h]anthracene	18.007	278	7270m	0.44	ppb	
101) Benzo[g,h,i]perylene	18.441	276	24770	1.55	ppb	97

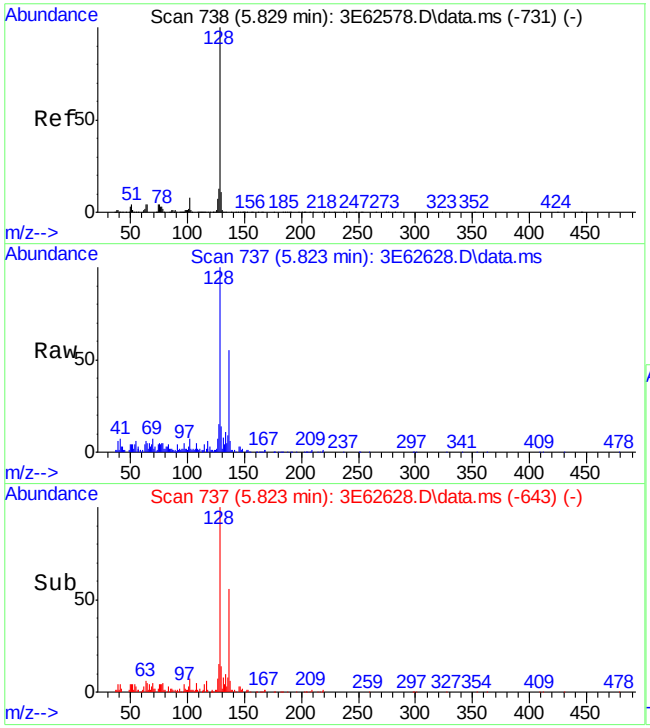
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62628.D
Acq On : 28 Jun 2014 6:59 pm
Operator : andrews1
Sample : jb69534-3
Misc : op75766,e3e2683,30.5
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 11:16:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

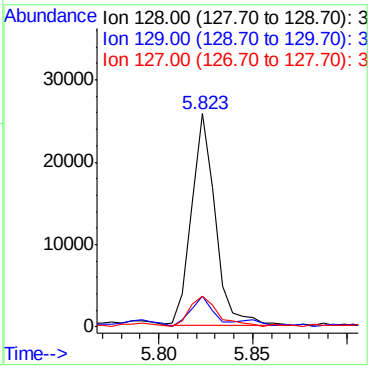


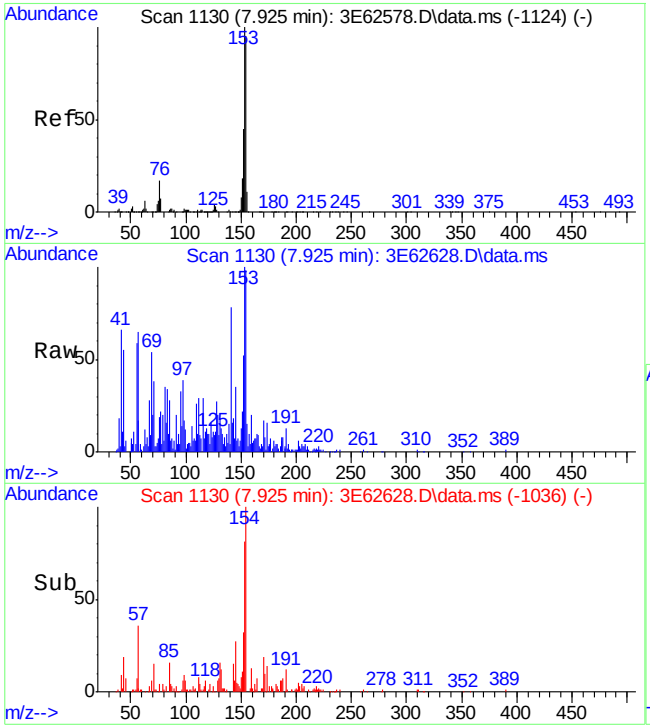


#38
Naphthalene
Concen: 0.79 ppb
RT: 5.823 min Scan# 737
Delta R.T. 0.005 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:128 Resp: 22838

Ion	Ratio	Lower	Upper
128	100		
129	13.1	0.0	41.3
127	14.0	0.0	43.4

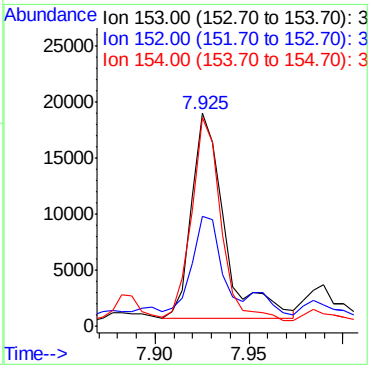


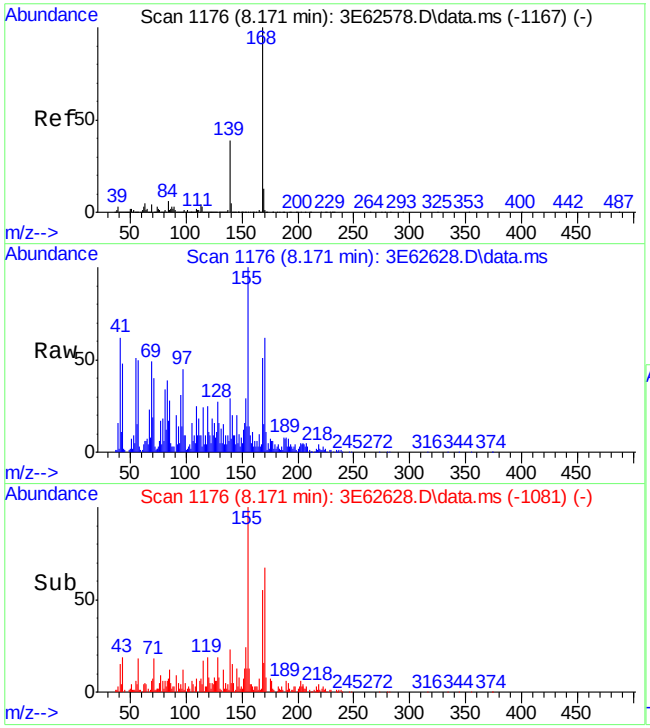


#59
Acenaphthene
Concen: 1.22 ppb
RT: 7.925 min Scan# 1130
Delta R.T. 0.005 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:153 Resp: 22202

Ion	Ratio	Lower	Upper
153	100		
152	48.3	15.1	75.1
154	100.1	65.4	125.4

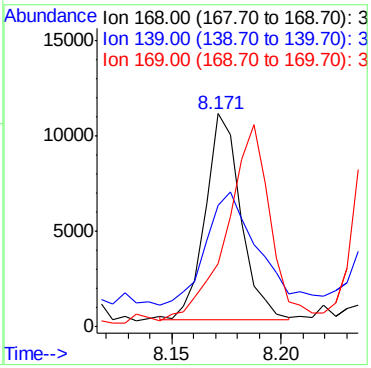


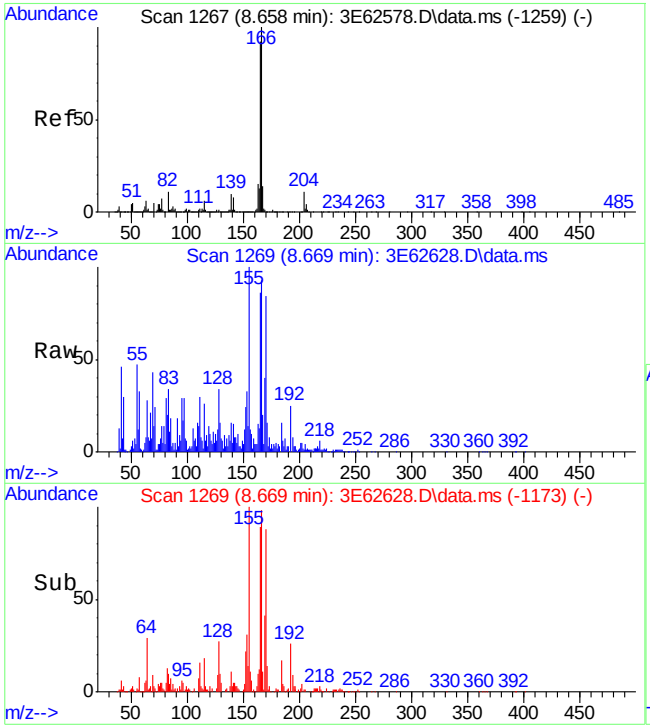


#62
Dibenzofuran
Concen: 0.49 ppb m
RT: 8.171 min Scan# 1176
Delta R.T. 0.011 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:168 Resp: 12025

Ion	Ratio	Lower	Upper
168	100		
139	57.1	9.0	69.0
169	29.7	0.0	43.4

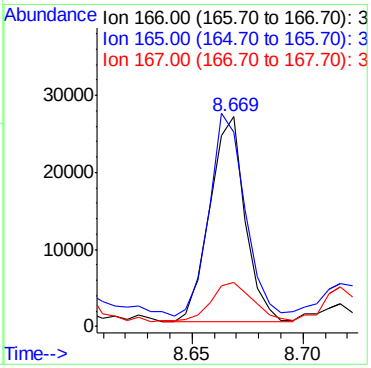


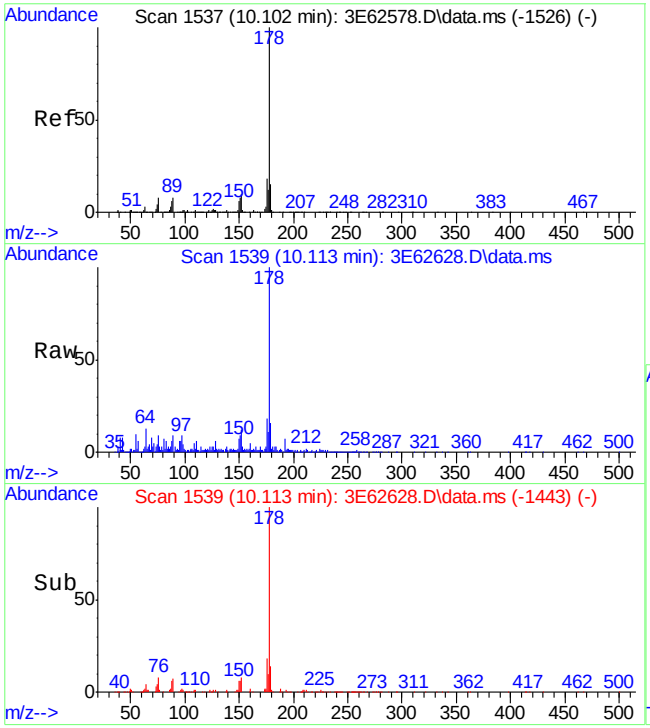


#66
Fluorene
Concen: 1.50 ppb
RT: 8.669 min Scan# 1269
Delta R.T. 0.016 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:166 Resp: 29754

Ion	Ratio	Lower	Upper
166	100		
165	88.0	62.5	122.5
167	18.8	0.0	43.9

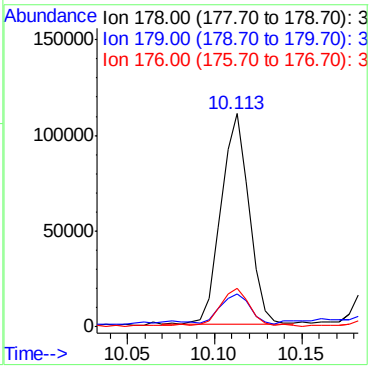


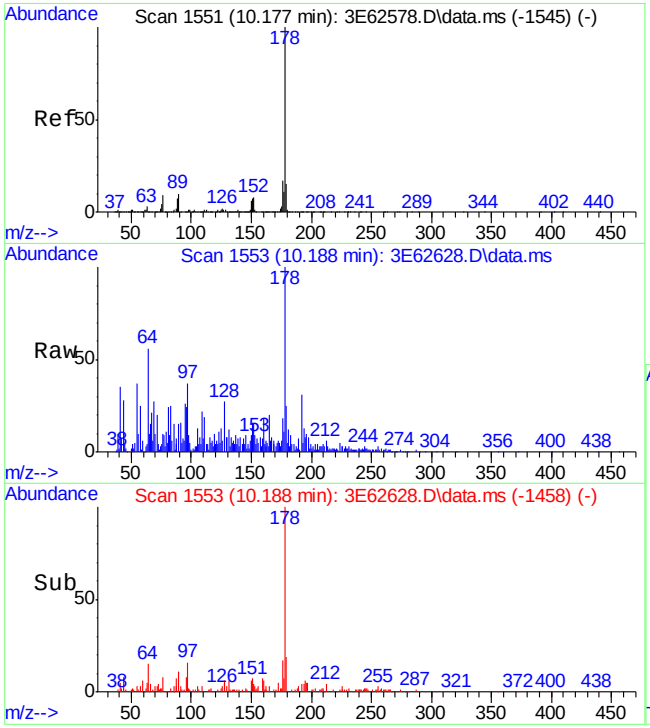


#77
Phenanthrene
Concen: 4.70 ppb
RT: 10.113 min Scan# 1539
Delta R.T. 0.016 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:178 Resp: 122673

Ion	Ratio	Lower	Upper
178	100		
179	13.3	0.0	44.8
176	17.7	0.0	48.4

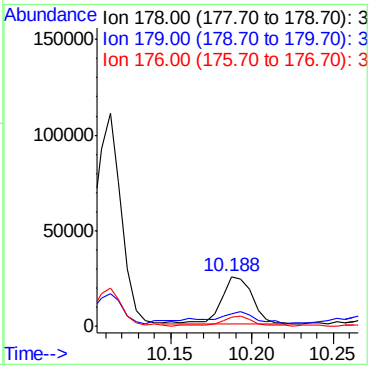


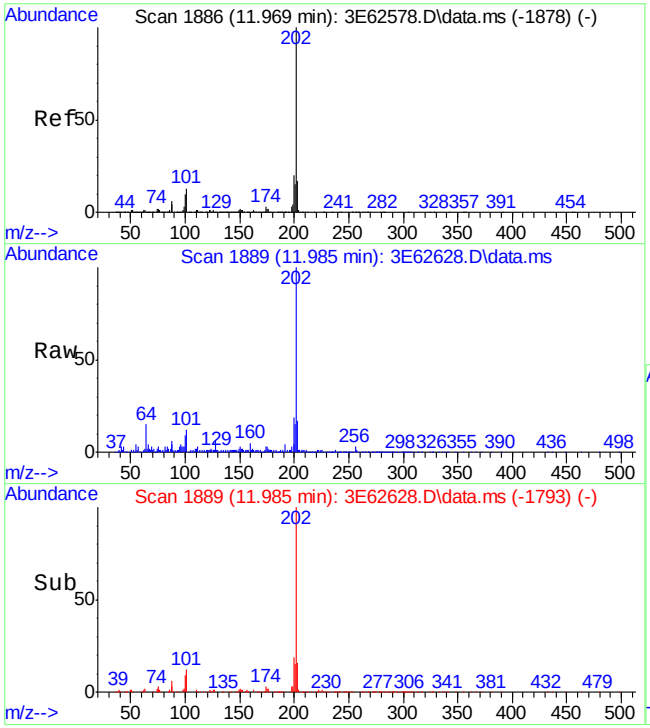


#78
Anthracene
Concen: 1.23 ppb
RT: 10.188 min Scan# 1553
Delta R.T. 0.011 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:178 Resp: 32609

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.3
176	16.8	0.0	47.2

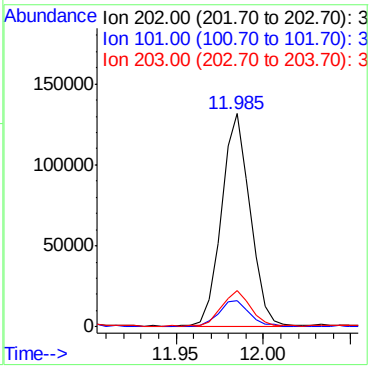


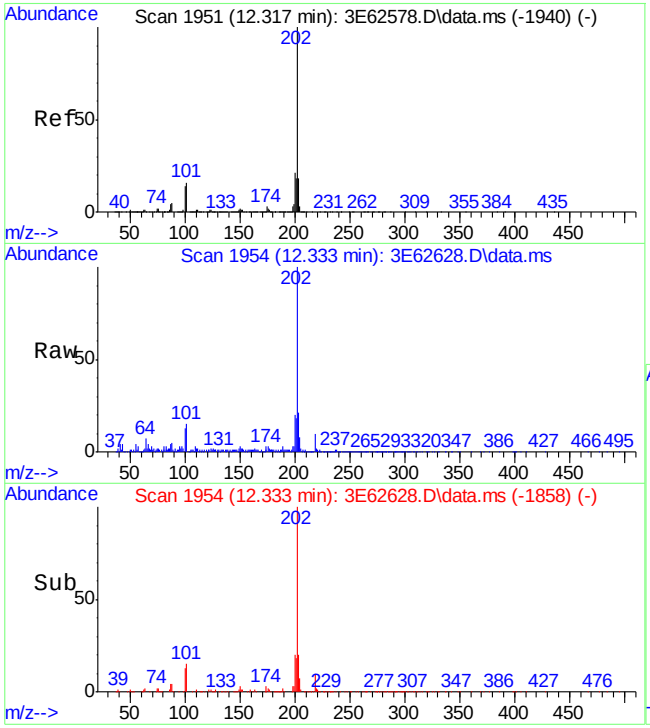


#81
Fluoranthene
Concen: 5.73 ppb
RT: 11.985 min Scan# 1889
Delta R.T. 0.016 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:202 Resp: 149446

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	42.8
203	16.6	0.0	47.0

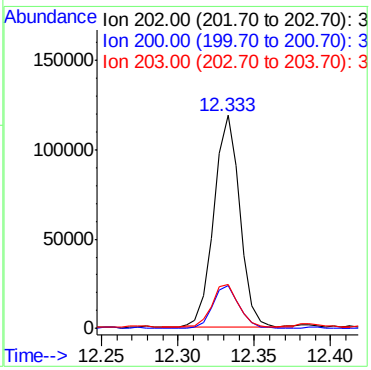


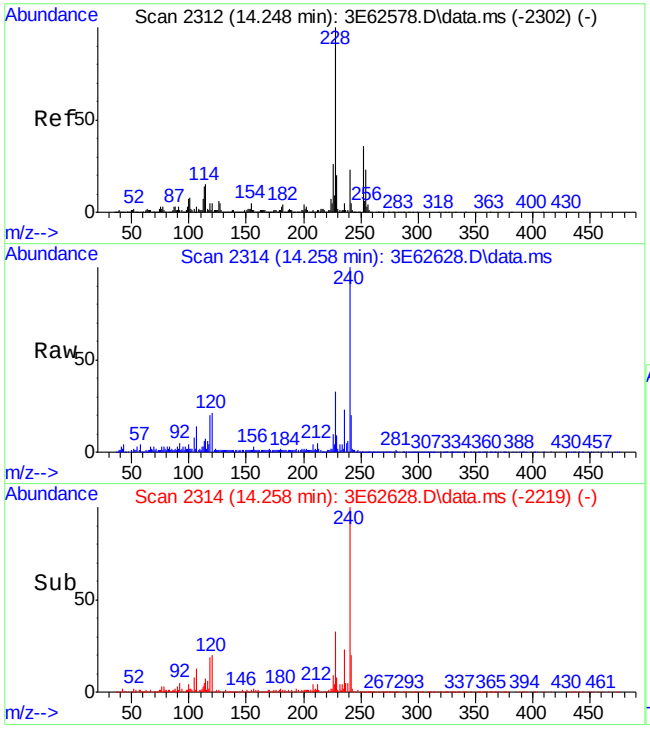


#84
Pyrene
Concen: 6.27 ppb
RT: 12.333 min Scan# 1954
Delta R.T. 0.016 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:202 Resp: 140916

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.0	50.7
203	20.1	0.0	48.3

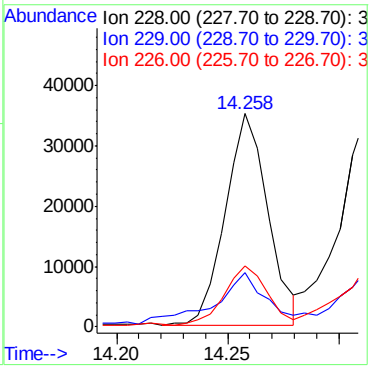


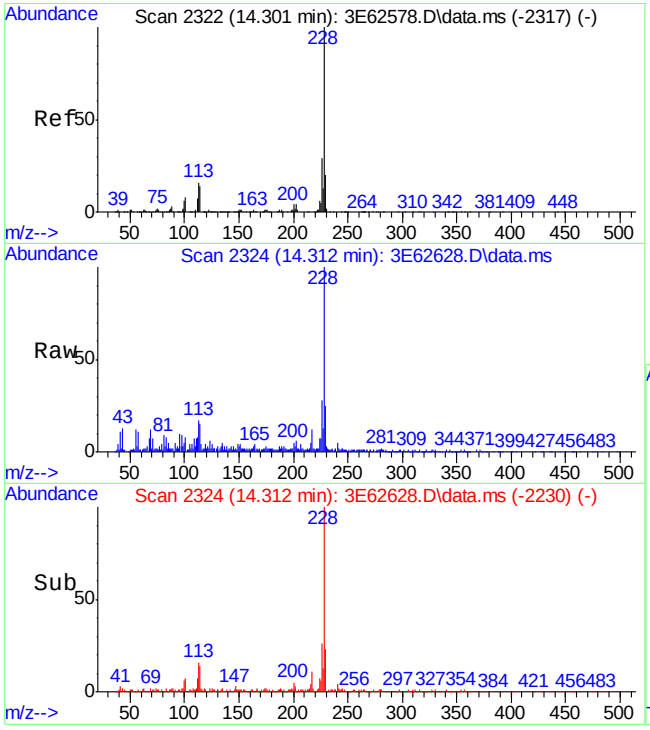


#88
Benzo[a]anthracene
Concen: 2.32 ppb
RT: 14.258 min Scan# 2314
Delta R.T. 0.011 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:228 Resp: 46434

Ion	Ratio	Lower	Upper
228	100		
229	22.1	0.0	49.7
226	28.8	0.0	55.7

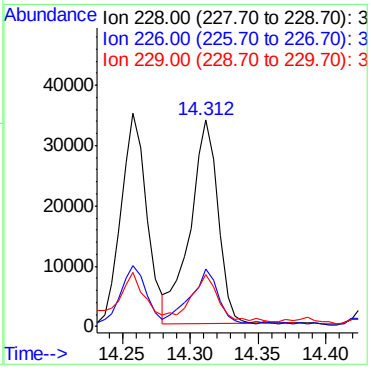


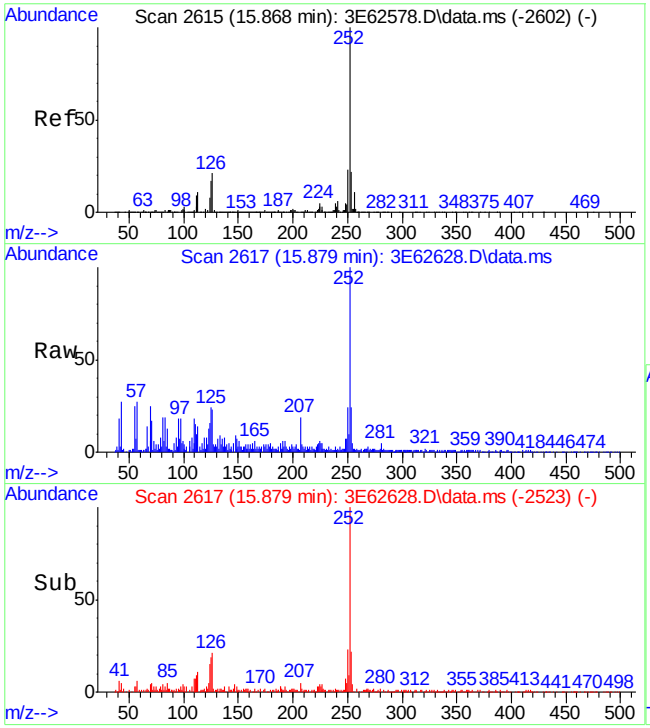


#90
Chrysene
Concen: 2.65 ppb
RT: 14.312 min Scan# 2324
Delta R.T. 0.005 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:228 Resp: 48172

Ion	Ratio	Lower	Upper
228	100		
226	27.5	0.0	58.7
229	22.6	0.0	49.8

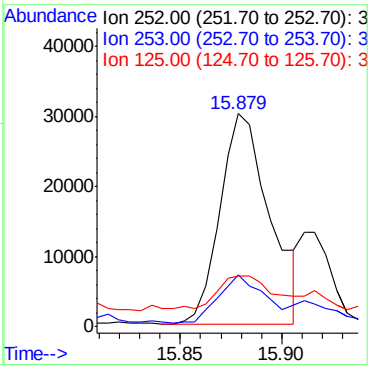


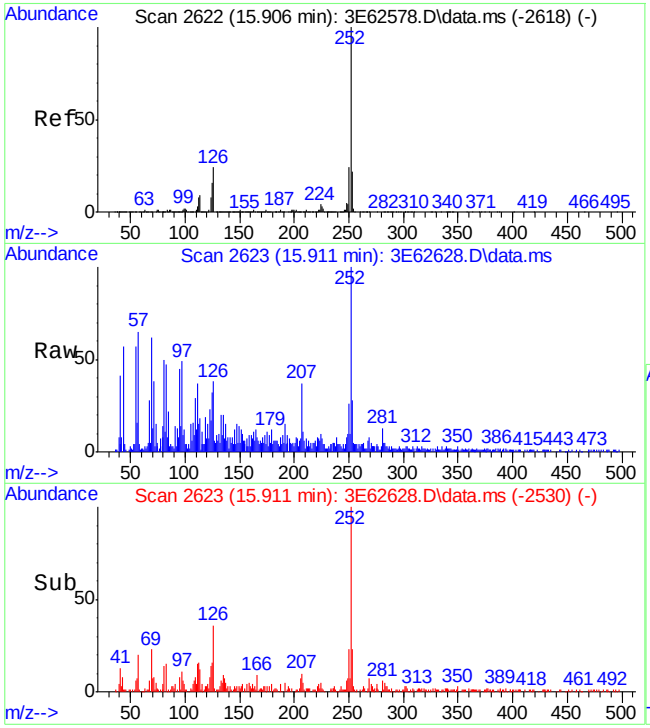


#94
Benzo[b]fluoranthene
Concen: 2.63 ppb
RT: 15.879 min Scan# 2617
Delta R.T. 0.005 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:252 Resp: 51251

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	52.3
125	15.0	0.0	46.7

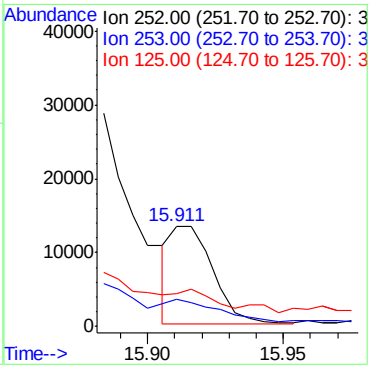


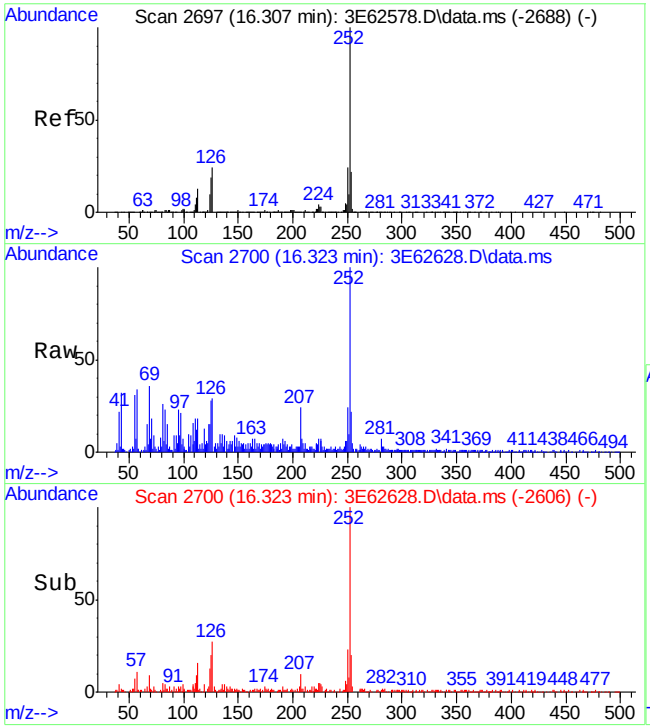


#95
Benzo[k]fluoranthene
Concen: 0.76 ppb
RT: 15.911 min Scan# 2623
Delta R.T. 0.000 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:252 Resp: 14048

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	52.0
125	12.7	0.0	46.2

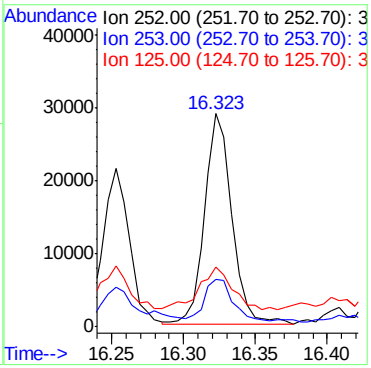


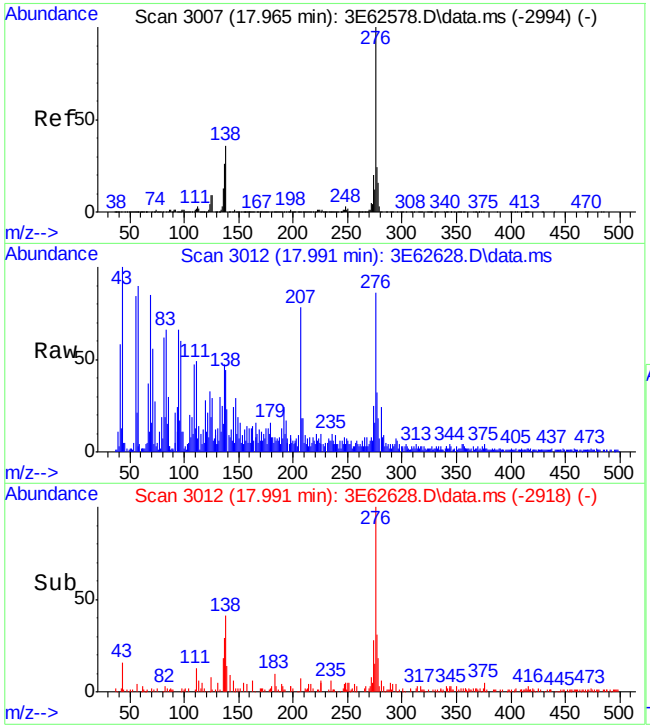


#96
Benzo[a]pyrene
Concen: 2.25 ppb
RT: 16.323 min Scan# 2700
Delta R.T. 0.005 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:252 Resp: 37912

Ion	Ratio	Lower	Upper
252	100		
253	18.2	0.0	51.8
125	18.5	0.0	48.8

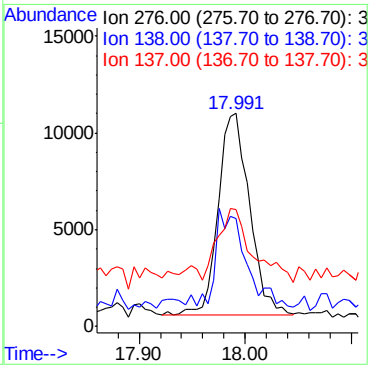


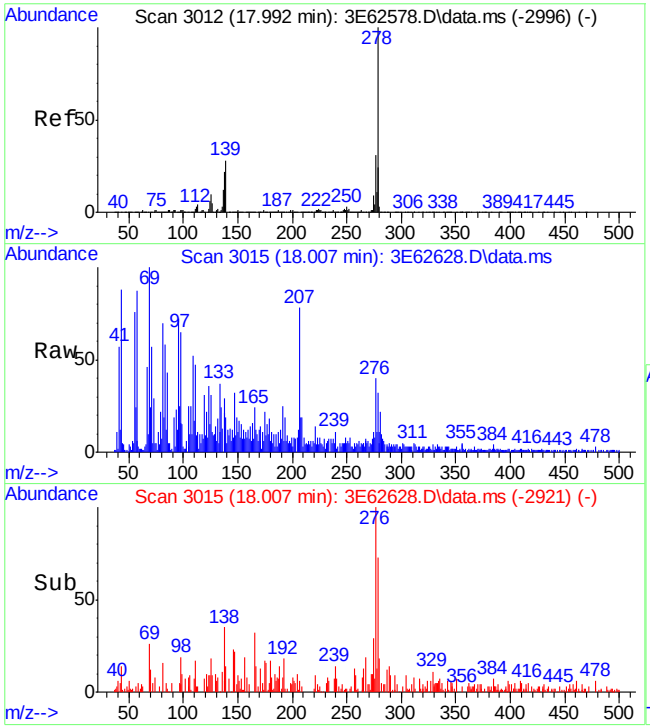


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.09 ppb
RT: 17.991 min Scan# 3012
Delta R.T. 0.005 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:276 Resp: 21630

Ion	Ratio	Lower	Upper
276	100		
138	42.4	6.3	66.3
137	35.2	0.0	56.4

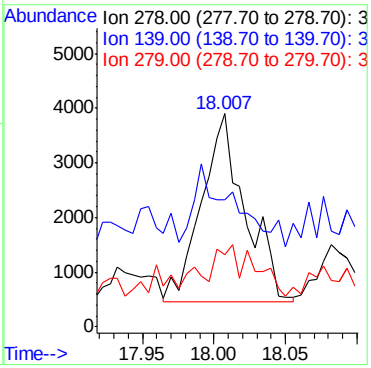


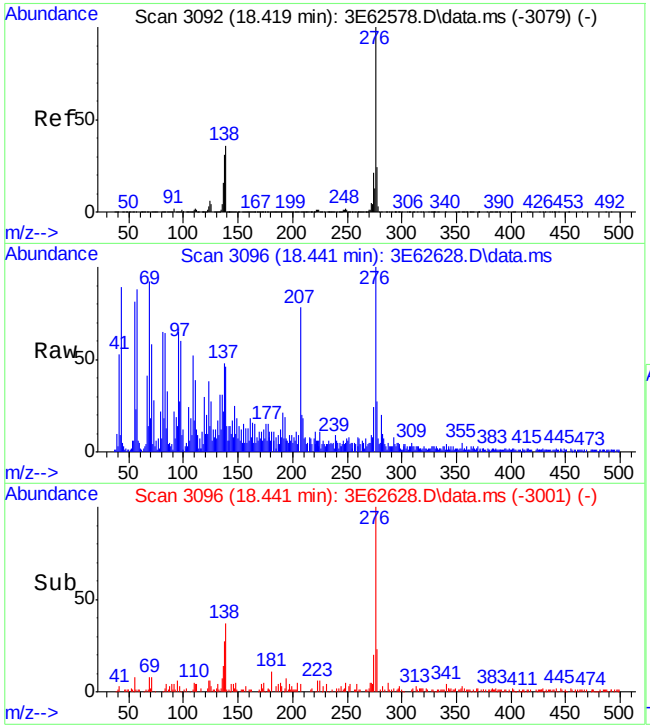


#99
Dibenz[a,h]anthracene
Concen: 0.44 ppb m
RT: 18.007 min Scan# 3015
Delta R.T. 0.005 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:278 Resp: 7270

Ion	Ratio	Lower	Upper
278	100		
139	59.6	0.0	57.6#
279	33.9	0.0	54.1

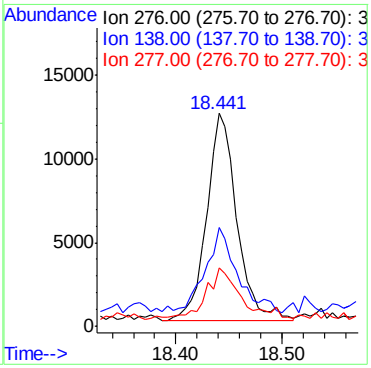




#101
Benzo[g,h,i]perylene
Concen: 1.55 ppb
RT: 18.441 min Scan# 3096
Delta R.T. 0.011 min
Lab File: 3E62628.D
Acq: 28 Jun 2014 6:59 pm

Tgt Ion:276 Resp: 24770

Ion	Ratio	Lower	Upper
276	100		
138	38.5	5.9	65.9
277	23.8	0.0	53.7



Manual Integration Approval Summary

Sample Number: JB69534-3
Lab FileID: 3E62628.D
Injection Time: 06/28/14 18:59
Method: SW846 8270D
Analyst approved: 07/01/14 11:54 Andrew Lee Smith
Supervisor approved: 07/01/14 14:16 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Dibenzofuran	132-64-9		8.17	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		18.01	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62629.D
Acq On : 28 Jun 2014 7:26 pm
Operator : andrews1
Sample : jb69534-4
Misc : op75766,e3e2683,33.5
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 11:17:45 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

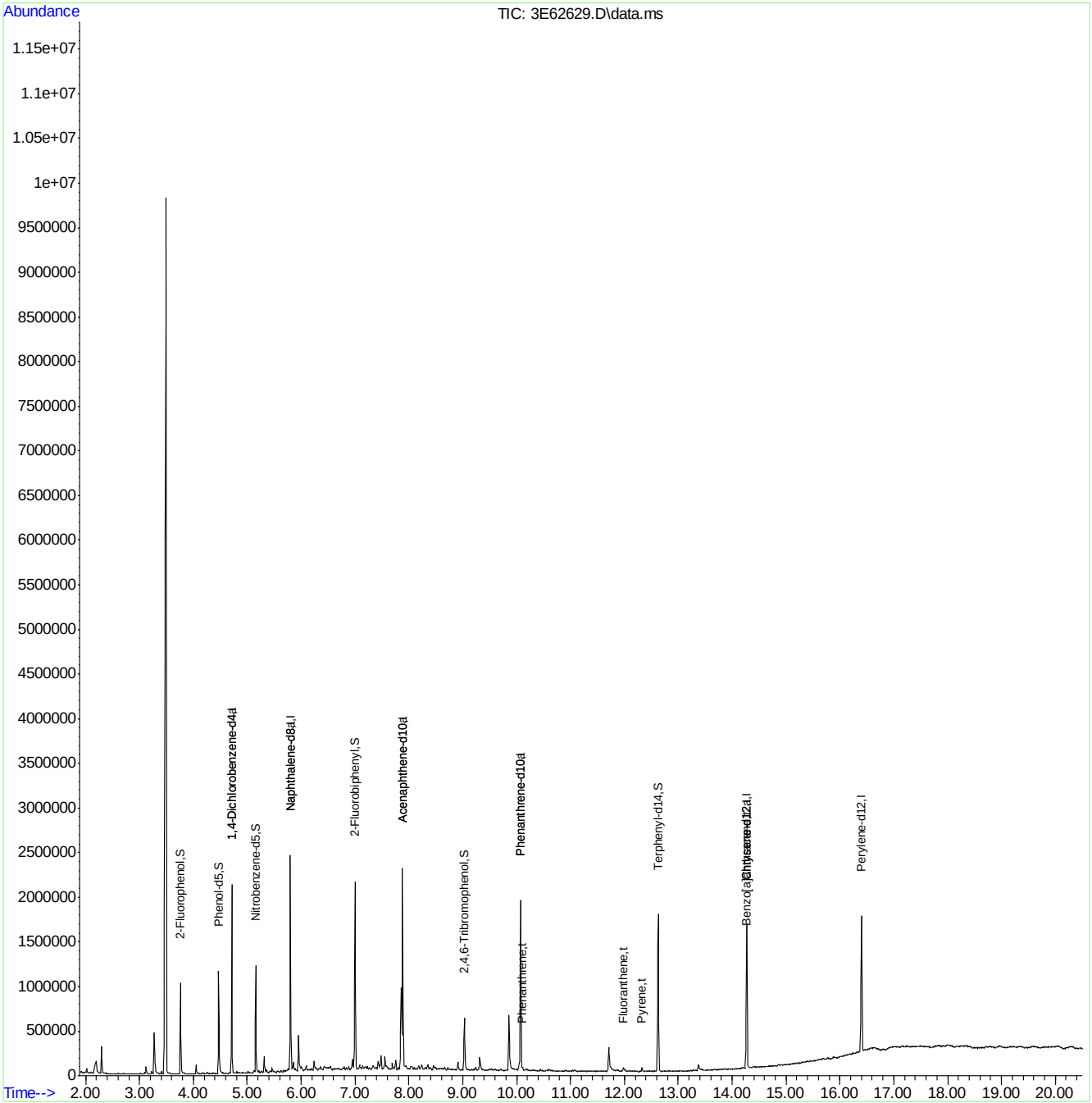
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	272896	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1016589	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	563879	40.00	ppb	0.01
69) Phenanthrene-d10	10.076	188	830019	40.00	ppb	0.02
83) Chrysene-d12	14.274	240	686356	40.00	ppb	0.01
92) Perylene-d12	16.403	264	585718	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	4.711	152	272896	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	563879	40.00	ppb	0.01
106) Phenanthrene-d10a	10.076	188	830019	40.00	ppb	0.02
110) Chrysene-d12a	14.274	240	686356	40.00	ppb	0.01
112) Naphthalene-d8a	5.802	136	1016589	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.759	112	328520	37.09	ppb	0.01
Spiked Amount 50.000			Recovery = 74.18%			
8) Phenol-d5	4.470	99	394100	35.68	ppb	0.00
Spiked Amount 50.000			Recovery = 71.36%			
25) Nitrobenzene-d5	5.155	82	340937	37.11	ppb	0.00
Spiked Amount 50.000			Recovery = 74.22%			
51) 2-Fluorobiphenyl	7.000	172	721808	38.05	ppb	0.01
Spiked Amount 50.000			Recovery = 76.10%			
73) 2,4,6-Tribromophenol	9.033	330	66444	35.96	ppb	0.02
Spiked Amount 50.000			Recovery = 71.92%			
85) Terphenyl-d14	12.627	244	652366	42.70	ppb	0.02
Spiked Amount 50.000			Recovery = 85.40%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
77) Phenanthrene	10.108	178	15532	0.59	ppb	97
81) Fluoranthene	11.980	202	18764	0.72	ppb	99
84) Pyrene	12.327	202	17567	0.72	ppb	98
88) Benzo[a]anthracene	14.258	228	9489	0.44	ppb	92

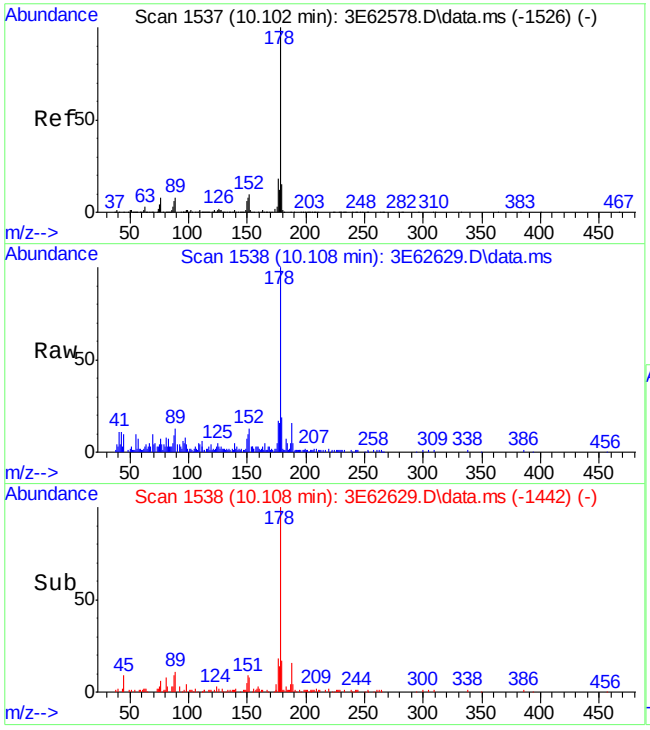
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62629.D
Acq On : 28 Jun 2014 7:26 pm
Operator : andrews1
Sample : jb69534-4
Misc : op75766,e3e2683,33.5
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 11:17:45 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

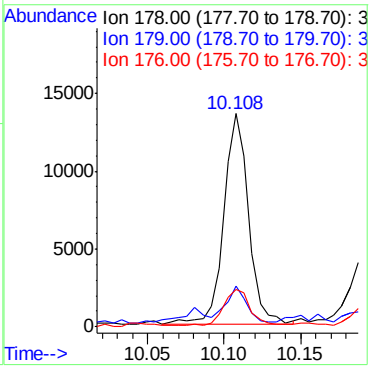


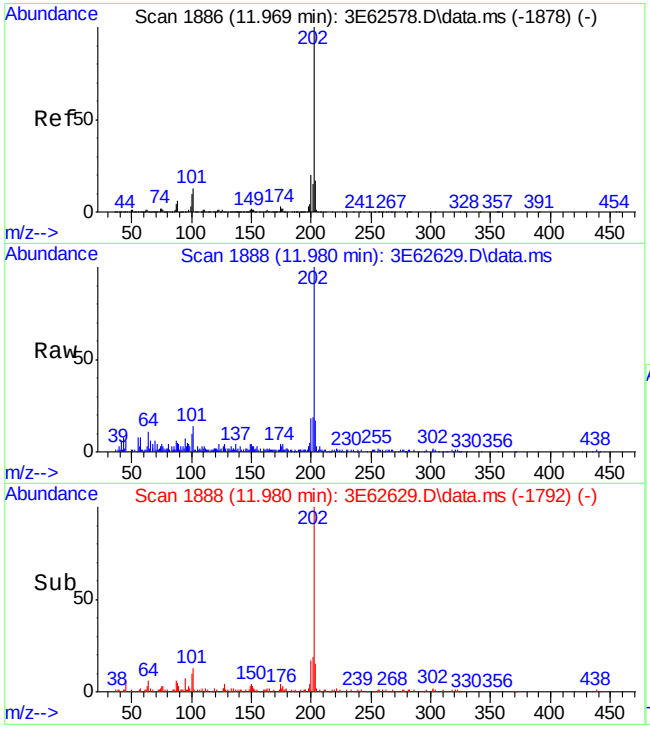


#77
Phenanthrene
Concen: 0.59 ppb
RT: 10.108 min Scan# 1538
Delta R.T. 0.011 min
Lab File: 3E62629.D
Acq: 28 Jun 2014 7:26 pm

Tgt Ion:178 Resp: 15532

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	44.8
176	16.6	0.0	48.4

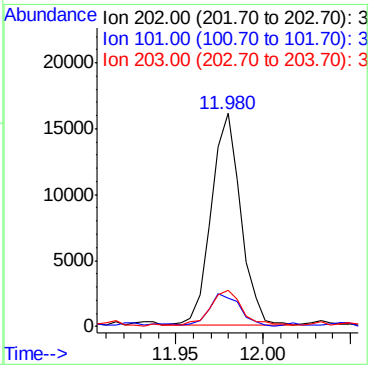


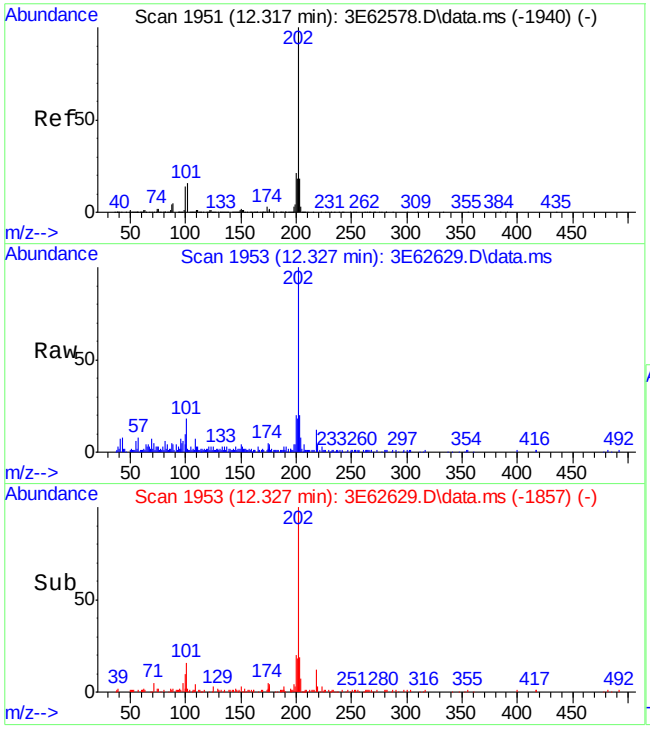


#81
Fluoranthene
Concen: 0.72 ppb
RT: 11.980 min Scan# 1888
Delta R.T. 0.011 min
Lab File: 3E62629.D
Acq: 28 Jun 2014 7:26 pm

Tgt Ion:202 Resp: 18764

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	42.8
203	16.5	0.0	47.0

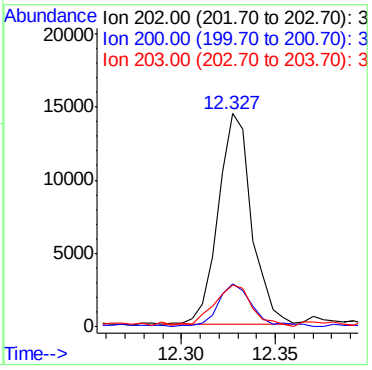


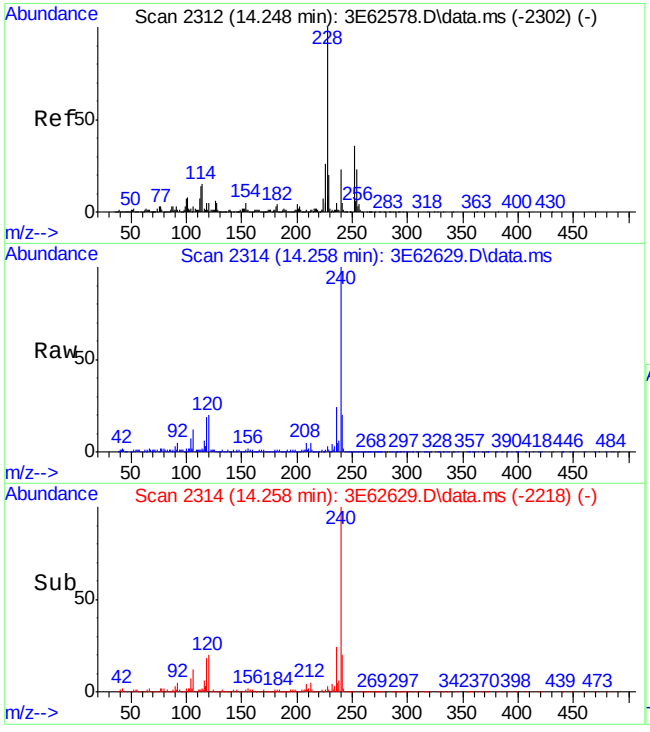


#84
Pyrene
Concen: 0.72 ppb
RT: 12.327 min Scan# 1953
Delta R.T. 0.011 min
Lab File: 3E62629.D
Acq: 28 Jun 2014 7:26 pm

Tgt Ion:202 Resp: 17567

Ion	Ratio	Lower	Upper
202	100		
200	19.7	0.0	50.7
203	18.8	0.0	48.3

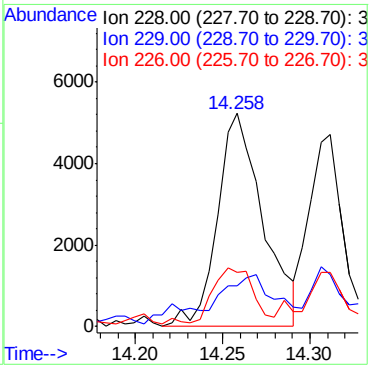




#88
Benzo[a]anthracene
Concen: 0.44 ppb
RT: 14.258 min Scan# 2314
Delta R.T. 0.011 min
Lab File: 3E62629.D
Acq: 28 Jun 2014 7:26 pm

Tgt Ion:228 Resp: 9489

Ion	Ratio	Lower	Upper
228	100		
229	13.2	0.0	49.7
226	23.8	0.0	55.7



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62630.D
Acq On : 28 Jun 2014 7:53 pm
Operator : andrews1
Sample : jb69534-5
Misc : op75766,e3e2683,30.4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 11:19:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

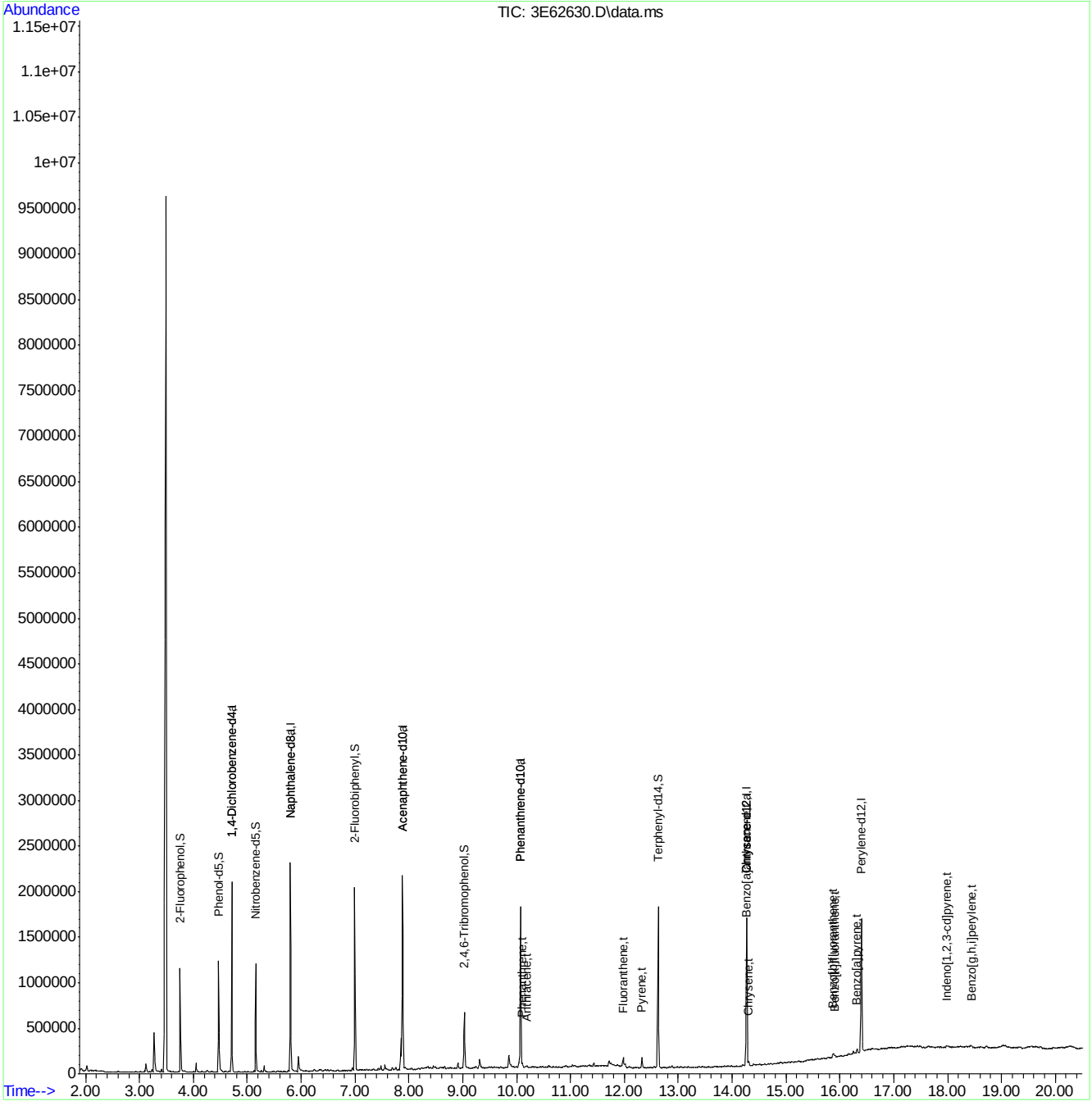
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	264444	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	989802	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	546646	40.00	ppb	0.01
69) Phenanthrene-d10	10.075	188	799625	40.00	ppb	0.02
83) Chrysene-d12	14.269	240	674669	40.00	ppb	0.00
92) Perylene-d12	16.403	264	565316	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	4.711	152	264444	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	546646	40.00	ppb	0.01
106) Phenanthrene-d10a	10.075	188	799625	40.00	ppb	0.02
110) Chrysene-d12a	14.269	240	674669	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	989802	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	329613	38.40	ppb	0.00
Spiked Amount 50.000			Recovery = 76.80%			
8) Phenol-d5	4.465	99	401304	37.49	ppb	0.00
Spiked Amount 50.000			Recovery = 74.98%			
25) Nitrobenzene-d5	5.155	82	331793	37.09	ppb	0.00
Spiked Amount 50.000			Recovery = 74.18%			
51) 2-Fluorobiphenyl	6.995	172	708761	38.54	ppb	0.00
Spiked Amount 50.000			Recovery = 77.08%			
73) 2,4,6-Tribromophenol	9.033	330	68493	38.48	ppb	0.02
Spiked Amount 50.000			Recovery = 76.96%			
85) Terphenyl-d14	12.627	244	650495	43.31	ppb	0.02
Spiked Amount 50.000			Recovery = 86.62%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
77) Phenanthrene	10.108	178	25026	0.99	ppb	96
78) Anthracene	10.188	178	10391	0.41	ppb	96
81) Fluoranthene	11.980	202	50695	2.01	ppb	98
84) Pyrene	12.327	202	53211	2.22	ppb	96
88) Benzo[a]anthracene	14.258	228	25199	1.18	ppb	95
90) Chrysene	14.306	228	21855	1.13	ppb	98
94) Benzo[b]fluoranthene	15.873	252	26124	1.30	ppb	95
95) Benzo[k]fluoranthene	15.911	252	8577	0.45	ppb	73
96) Benzo[a]pyrene	16.317	252	20220	1.16	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.986	276	15675	0.76	ppb	88
101) Benzo[g,h,i]perylene	18.435	276	12672	0.77	ppb	88

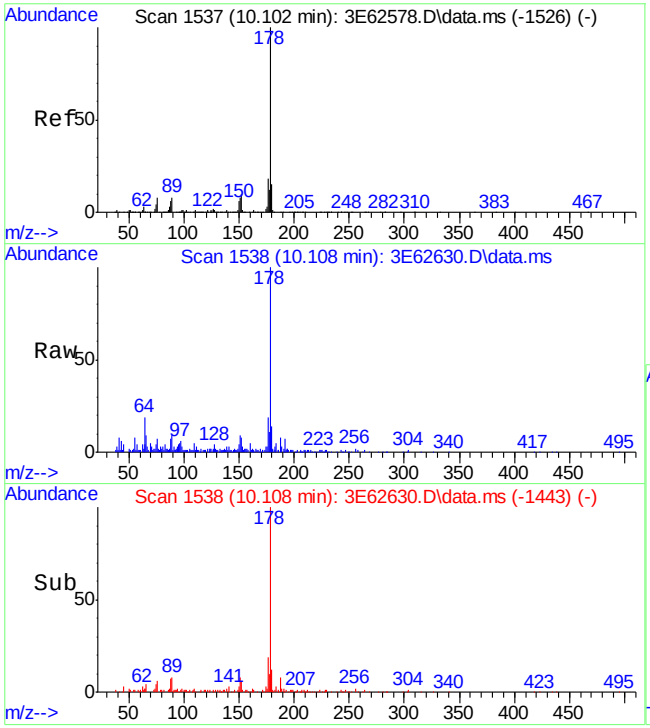
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62630.D
Acq On : 28 Jun 2014 7:53 pm
Operator : andrews1
Sample : jb69534-5
Misc : op75766,e3e2683,30.4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 11:19:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

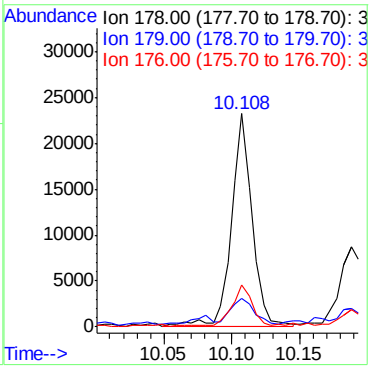


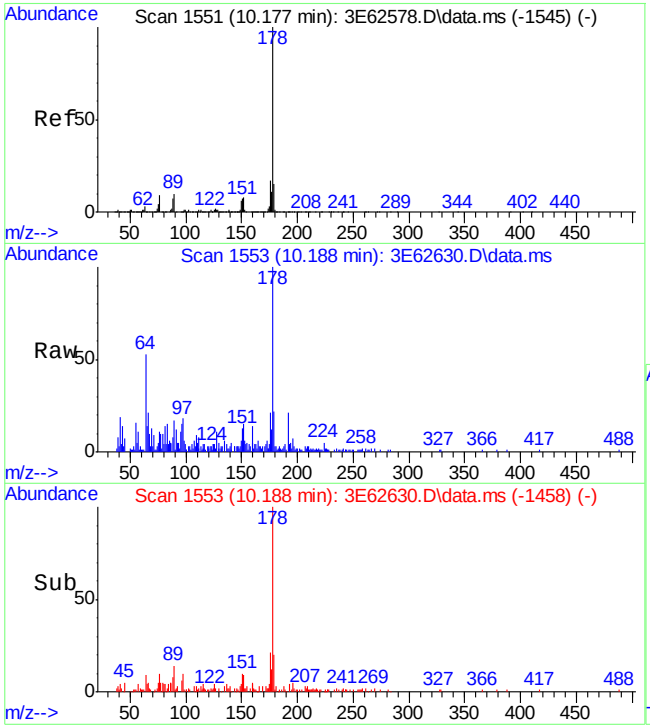


#77
Phenanthrene
Concen: 0.99 ppb
RT: 10.108 min Scan# 1538
Delta R.T. 0.011 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:178 Resp: 25026

Ion	Ratio	Lower	Upper
178	100		
179	11.5	0.0	44.8
176	18.2	0.0	48.4

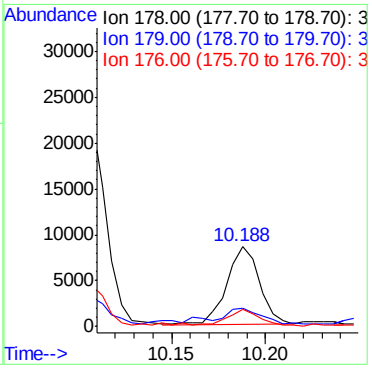


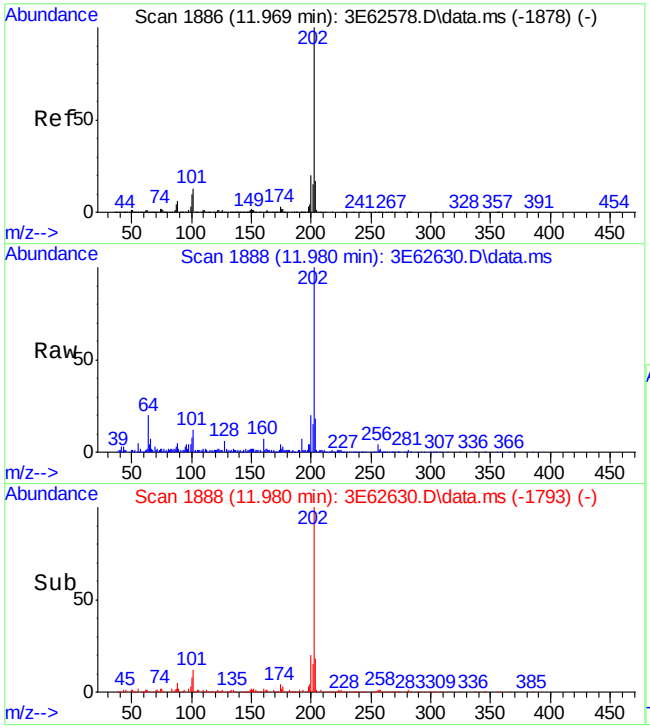


#78
Anthracene
Concen: 0.41 ppb
RT: 10.188 min Scan# 1553
Delta R.T. 0.011 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:178 Resp: 10391

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	45.3
176	18.9	0.0	47.2

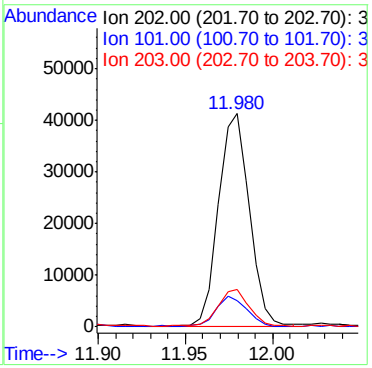


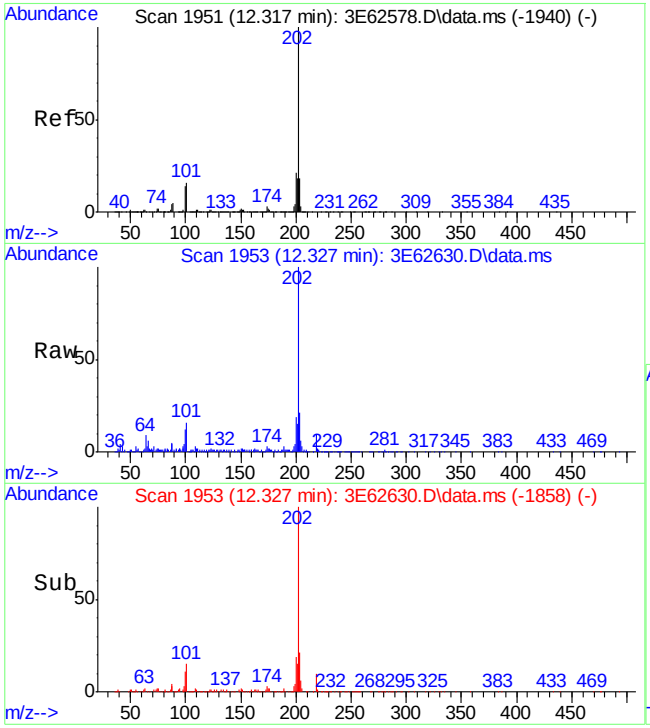


#81
Fluoranthene
Concen: 2.01 ppb
RT: 11.980 min Scan# 1888
Delta R.T. 0.011 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:202 Resp: 50695

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	42.8
203	17.3	0.0	47.0

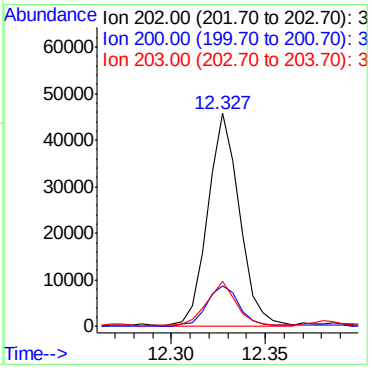


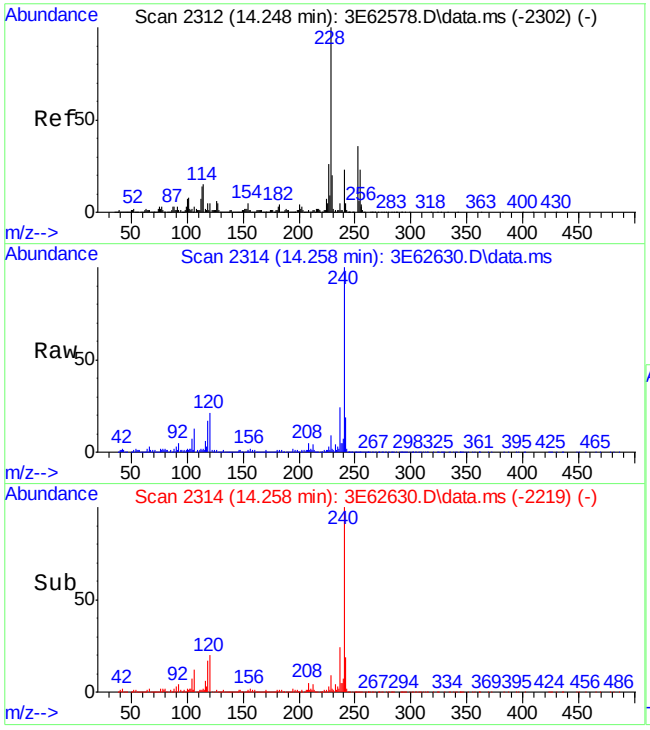


#84
Pyrene
Concen: 2.22 ppb
RT: 12.327 min Scan# 1953
Delta R.T. 0.011 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:202 Resp: 53211

Ion	Ratio	Lower	Upper
202	100		
200	18.9	0.0	50.7
203	20.4	0.0	48.3

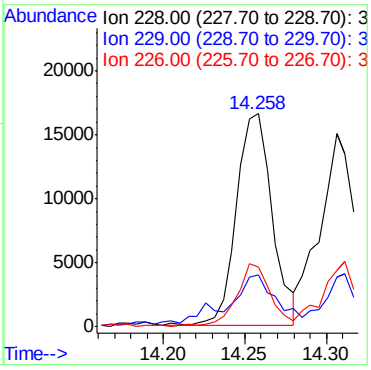


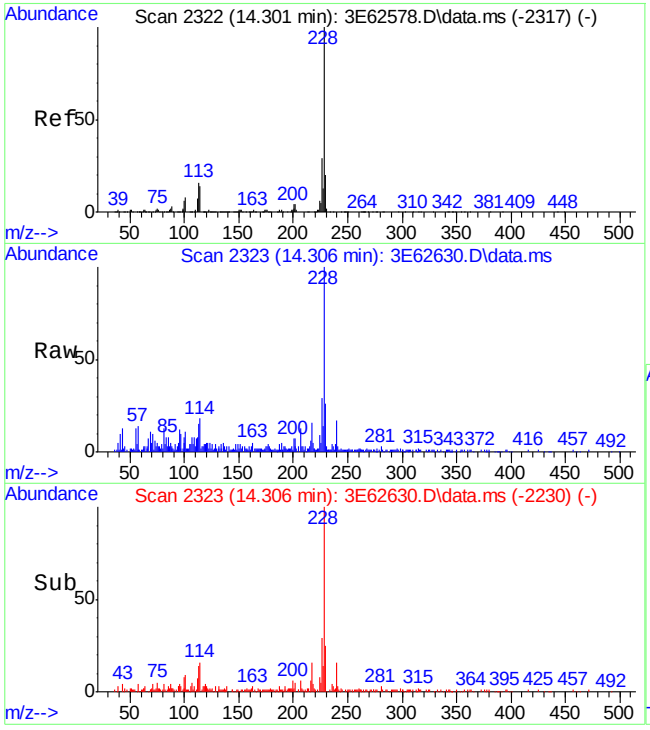


#88
Benzo[a]anthracene
Concen: 1.18 ppb
RT: 14.258 min Scan# 2314
Delta R.T. 0.011 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:228 Resp: 25199

Ion	Ratio	Lower	Upper
228	100		
229	20.9	0.0	49.7
226	29.0	0.0	55.7

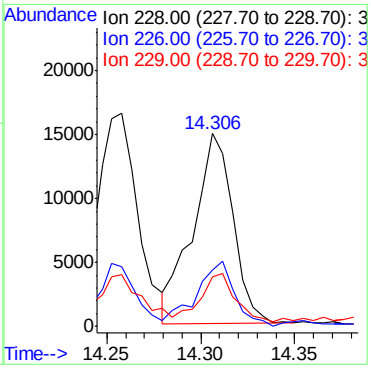


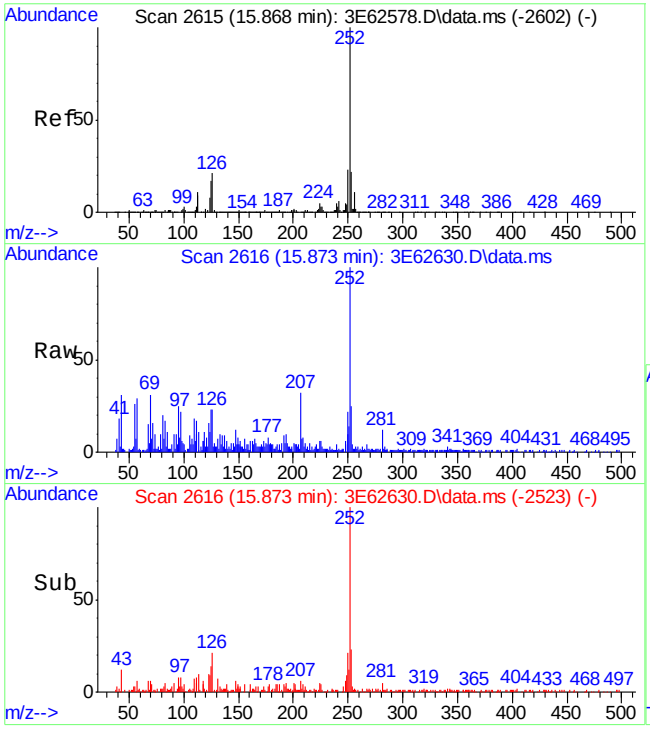


#90
Chrysene
Concen: 1.13 ppb
RT: 14.306 min Scan# 2323
Delta R.T. 0.000 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:228 Resp: 21855

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	58.7
229	21.6	0.0	49.8

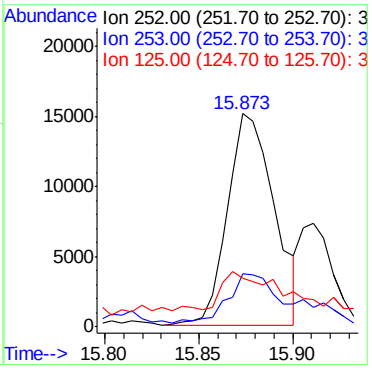


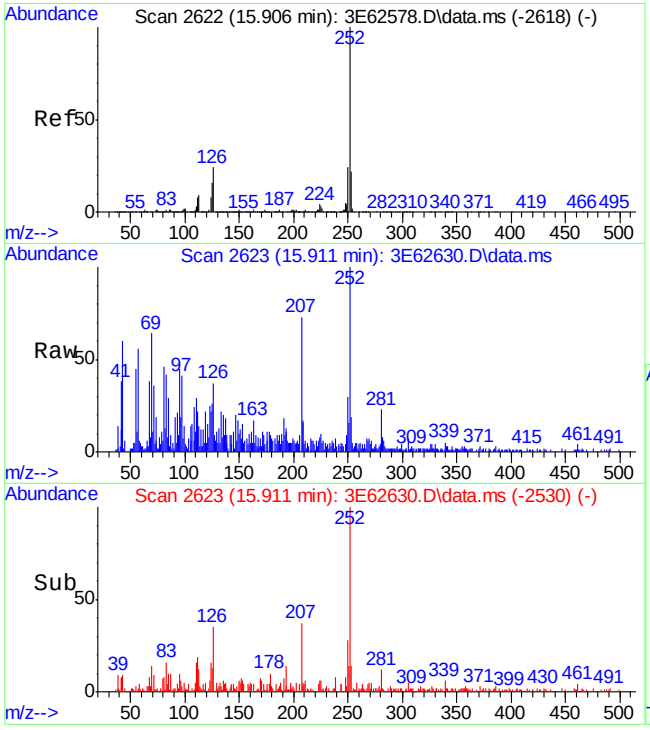


#94
Benzo[b]fluoranthene
Concen: 1.30 ppb
RT: 15.873 min Scan# 2616
Delta R.T. 0.000 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:252 Resp: 26124

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	52.3
125	11.9	0.0	46.7

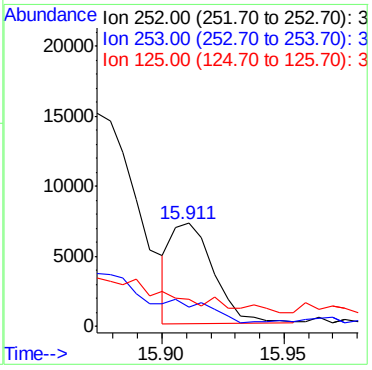


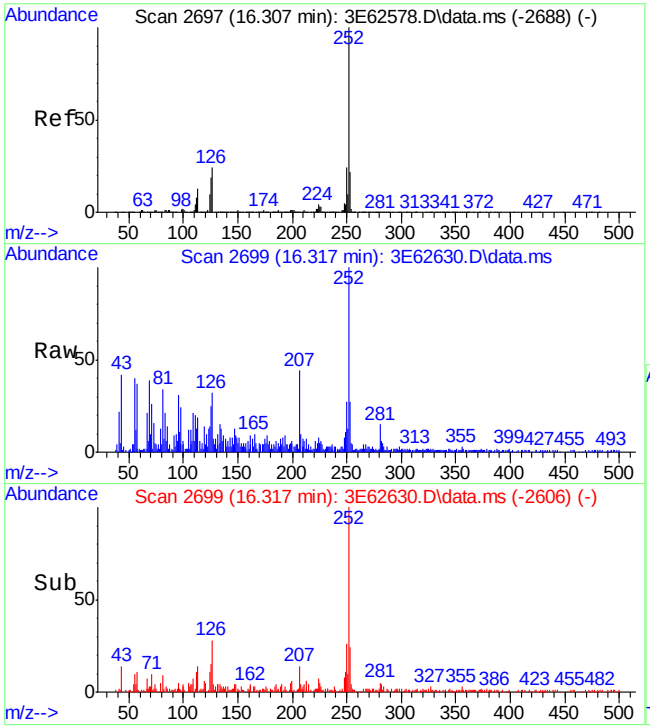


#95
Benzo[k]fluoranthene
Concen: 0.45 ppb
RT: 15.911 min Scan# 2623
Delta R.T. 0.000 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:252 Resp: 8577

Ion	Ratio	Lower	Upper
252	100		
253	9.0	0.0	52.0
125	4.4	0.0	46.2

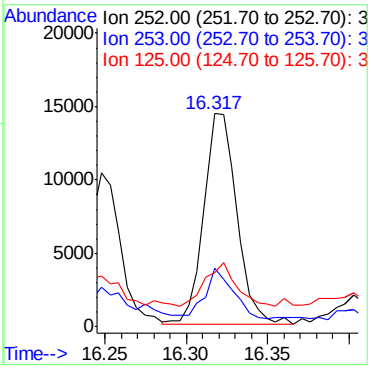


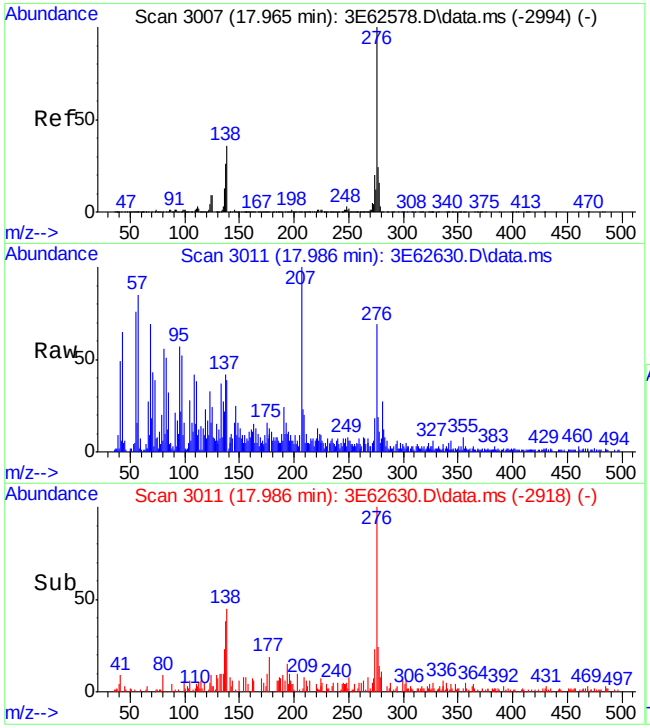


#96
Benzo[a]pyrene
Concen: 1.16 ppb
RT: 16.317 min Scan# 2699
Delta R.T. 0.000 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:252 Resp: 20220

Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	51.8
125	15.1	0.0	48.8

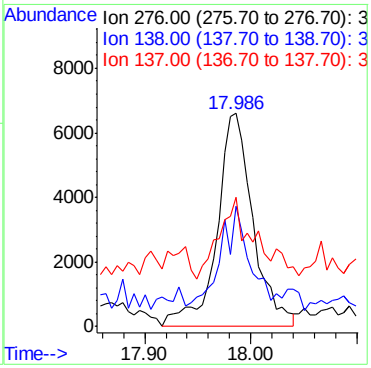


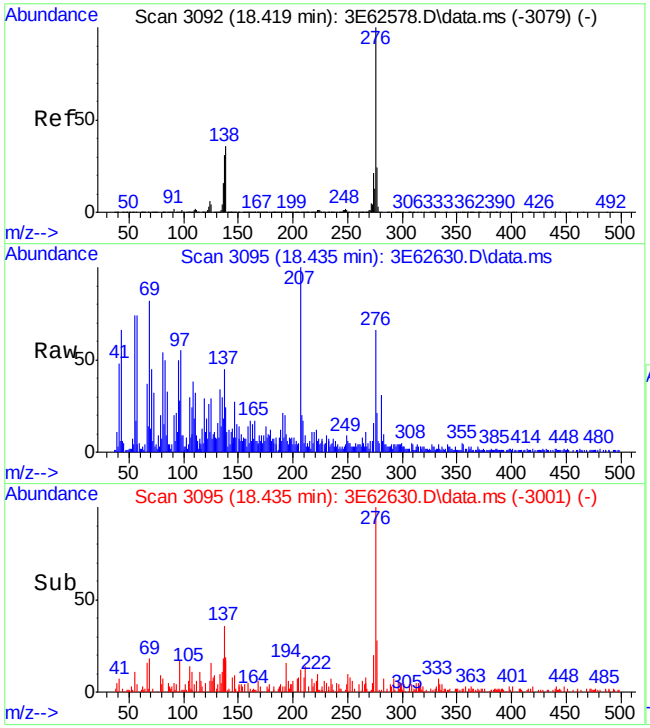


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.76 ppb
RT: 17.986 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:276 Resp: 15675

Ion	Ratio	Lower	Upper
276	100		
138	42.2	6.3	66.3
137	34.2	0.0	56.4

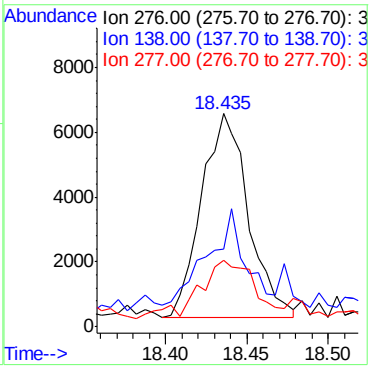




#101
Benzo[g,h,i]perylene
Concen: 0.77 ppb
RT: 18.435 min Scan# 3095
Delta R.T. 0.005 min
Lab File: 3E62630.D
Acq: 28 Jun 2014 7:53 pm

Tgt Ion:276 Resp: 12672

Ion	Ratio	Lower	Upper
276	100		
138	25.9	5.9	65.9
277	22.0	0.0	53.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105687.D
Acq On : 27 Jun 2014 11:28 pm
Operator : saumilp
Sample : JB69534-6
Misc : op75872,em4326,945
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 16:06:26 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration

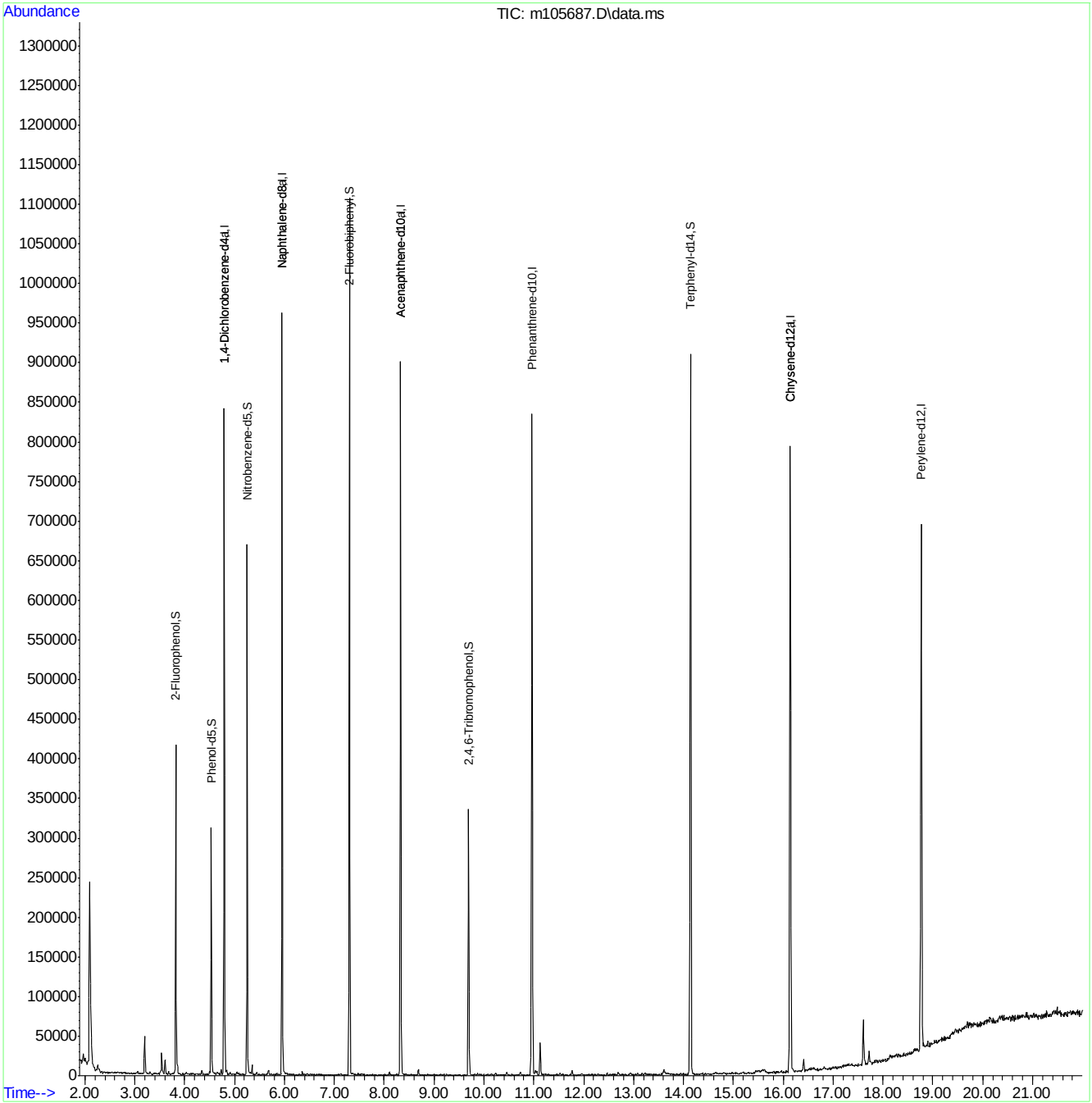
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.794	152	119176	40.00	ppb	0.00
24) Naphthalene-d8	5.953	136	431724	40.00	ppb	0.00
47) Acenaphthene-d10	8.330	164	261456	40.00	ppb	0.00
69) Phenanthrene-d10	10.964	188	443044	40.00	ppb	0.00
83) Chrysene-d12	16.141	240	408373	40.00	ppb	0.00
92) Perylene-d12	18.769	264	327165	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.794	152	119176	40.00	ppb	0.00
104) Acenaphthene-d10a	8.330	164	261456	40.00	ppb	0.00
107) Chrysene-d12a	16.141	240	408373	40.00	ppb	0.00
109) Naphthalene-d8a	5.953	136	431724	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.822	112	120500	28.37	ppb	0.00
Spiked Amount 50.000			Recovery = 56.74%			
8) Phenol-d5	4.532	99	101926	18.42	ppb	0.00
Spiked Amount 50.000			Recovery = 36.84%			
25) Nitrobenzene-d5	5.253	82	212250	47.43	ppb	0.00
Spiked Amount 50.000			Recovery = 94.86%			
51) 2-Fluorobiphenyl	7.305	172	405011	44.68	ppb	0.00
Spiked Amount 50.000			Recovery = 89.36%			
73) 2,4,6-Tribromophenol	9.693	330	45168	46.32	ppb	0.00
Spiked Amount 50.000			Recovery = 92.64%			
86) Terphenyl-d14	14.143	244	423977	46.33	ppb	0.00
Spiked Amount 50.000			Recovery = 92.66%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105687.D
Acq On : 27 Jun 2014 11:28 pm
Operator : saumilp
Sample : JB69534-6
Misc : op75872,em4326,945
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 16:06:26 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/01/14 14:16

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62631.D
Acq On : 28 Jun 2014 8:19 pm
Operator : andrews1
Sample : jb69534-8
Misc : op75766,e3e2683,32.6
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 11:22:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25moTue Jul 01 09:14:40 2014
QLast Update : Tue Jul 01 09:15:02 2014
Response via : Initial Calibration

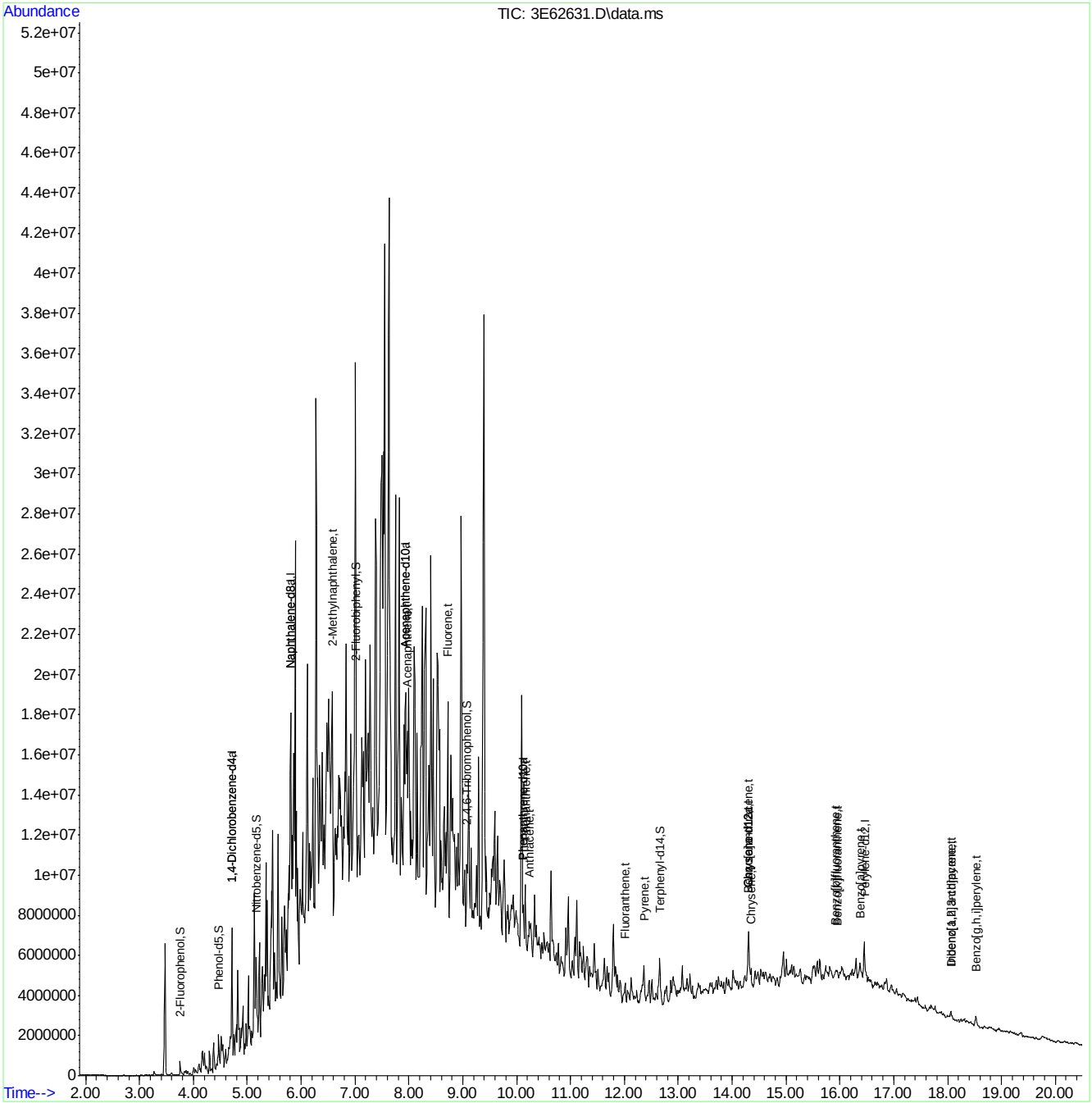
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	300084	40.00	ppb	0.00
24) Naphthalene-d8	5.813	136	1259336	40.00	ppb	0.01
47) Acenaphthene-d10	7.931	164	712274	40.00	ppb	0.06
69) Phenanthrene-d10	10.124	188	881979	40.00	ppb	0.06
83) Chrysene-d12	14.312	240	770230	40.00	ppb	0.05
92) Perylene-d12	16.457	264	704879	40.00	ppb	0.06
102) 1,4-Dichlorobenzene-d4a	4.711	152	300084	40.00	ppb	0.00
104) Acenaphthene-d10a	7.931	164	712274	40.00	ppb	0.06
106) Phenanthrene-d10a	10.124	188	881979	40.00	ppb	0.06
110) Chrysene-d12a	14.312	240	770230	40.00	ppb	0.05
112) Naphthalene-d8a	5.813	136	1259336	40.00	ppb	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.754	112	231856	23.80	ppb	0.00
Spiked Amount 50.000			Recovery = 47.60%			
8) Phenol-d5	4.465	99	346840	28.56	ppb	0.00
Spiked Amount 50.000			Recovery = 57.12%			
25) Nitrobenzene-d5	5.160	82	360014	31.63	ppb	0.00
Spiked Amount 50.000			Recovery = 63.26%			
51) 2-Fluorobiphenyl	7.027	172	852604	35.58	ppb	0.04
Spiked Amount 50.000			Recovery = 71.16%			
73) 2,4,6-Tribromophenol	9.086	330	90403	46.05	ppb	0.07
Spiked Amount 50.000			Recovery = 92.10%			
85) Terphenyl-d14	12.654	244	664219	38.74	ppb	0.04
Spiked Amount 50.000			Recovery = 77.48%			
108) o-Terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
44) 2-Methylnaphthalene	6.583	141	427437	19.86	ppb	89
59) Acenaphthene	7.974	153	356099	15.48	ppb	97
66) Fluorene	8.717	166	634943	25.20	ppb	88
77) Phenanthrene	10.161	178	1175425	42.30	ppb	97
78) Anthracene	10.236	178	248944	8.82	ppb	71
81) Fluoranthene	12.017	202	300436m	10.82	ppb	
84) Pyrene	12.365	202	756791	27.70	ppb	96
88) Benzo[a]anthracene	14.296	228	485217	19.96	ppb	88
90) Chrysene	14.349	228	471229	21.36	ppb	96
94) Benzo[b]fluoranthene	15.927	252	172346	6.88	ppb	96
95) Benzo[k]fluoranthene	15.959	252	42826m	1.80	ppb	
96) Benzo[a]pyrene	16.376	252	333580	15.35	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.061	276	112758	4.39	ppb	89
99) Dibenz[a,h]anthracene	18.072	278	82777	3.85	ppb	85
101) Benzo[g,h,i]perylene	18.526	276	257258	12.54	ppb	96

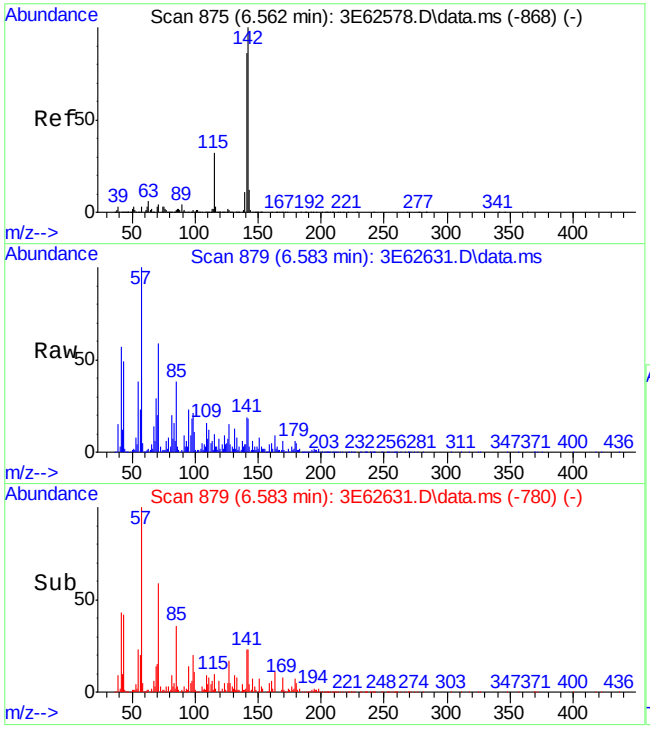
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62631.D
Acq On : 28 Jun 2014 8:19 pm
Operator : andrews1
Sample : jb69534-8
Misc : op75766,e3e2683,32.6
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 11:22:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jul 01 09:14:40 2014
QLast Update : Tue Jul 01 09:15:02 2014
Response via : Initial Calibration

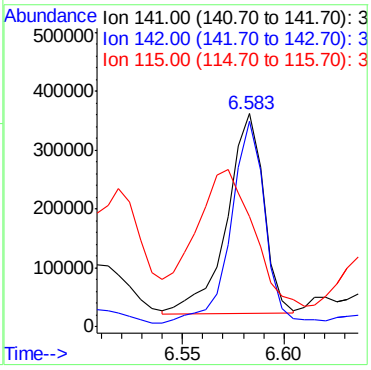


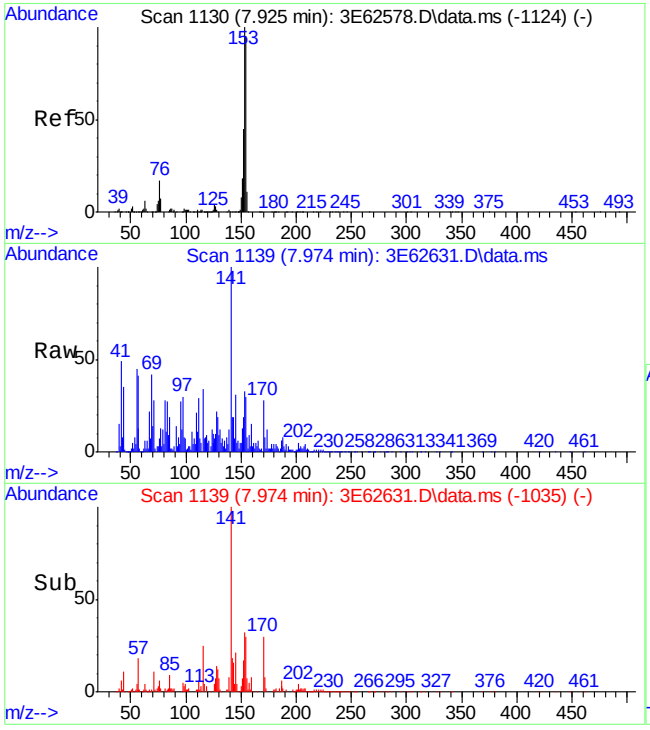


#44
2-Methylnaphthalene
Concen: 19.86 ppb
RT: 6.583 min Scan# 879
Delta R.T. 0.027 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:141 Resp: 427437

Ion	Ratio	Lower	Upper
141	100		
142	101.1	86.4	146.4
115	36.7	6.8	66.8

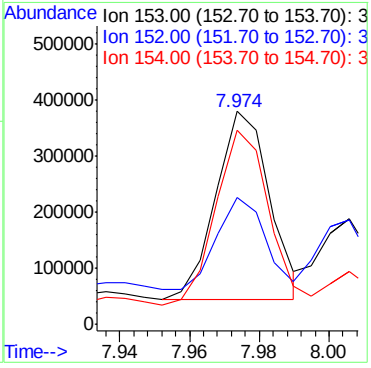


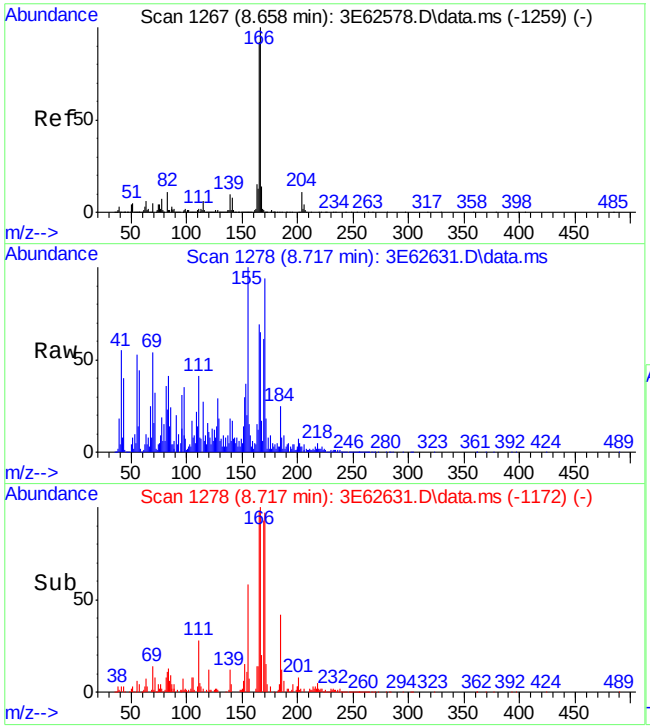


#59
Acenaphthene
Concen: 15.48 ppb
RT: 7.974 min Scan# 1139
Delta R.T. 0.054 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:153 Resp: 356099

Ion	Ratio	Lower	Upper
153	100		
152	50.4	15.1	75.1
154	95.0	65.4	125.4

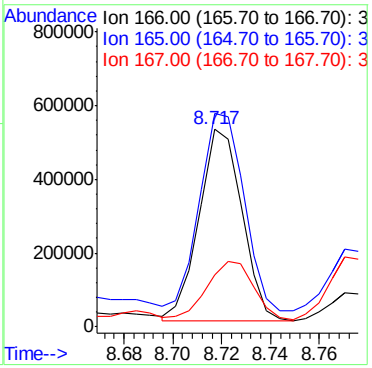


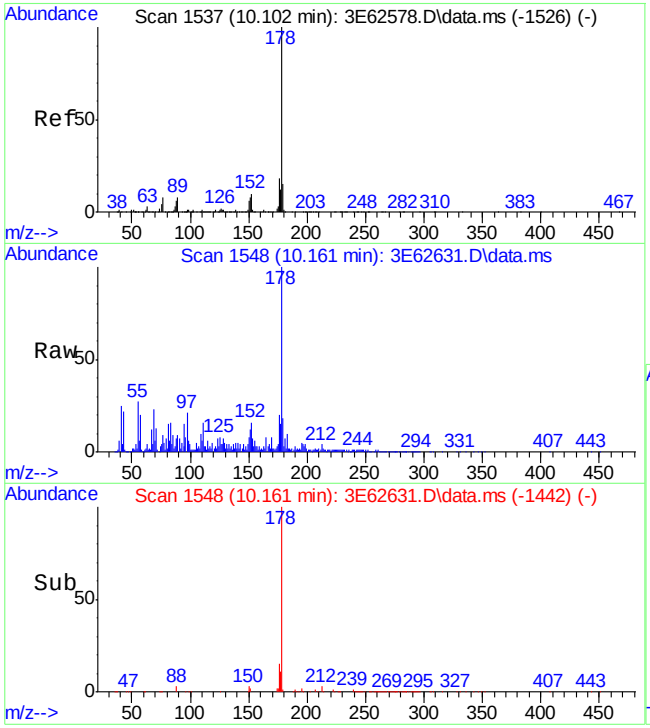


#66
Fluorene
Concen: 25.20 ppb
RT: 8.717 min Scan# 1278
Delta R.T. 0.064 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:166 Resp: 634943

Ion	Ratio	Lower	Upper
166	100		
165	102.8	62.5	122.5
167	22.9	0.0	43.9

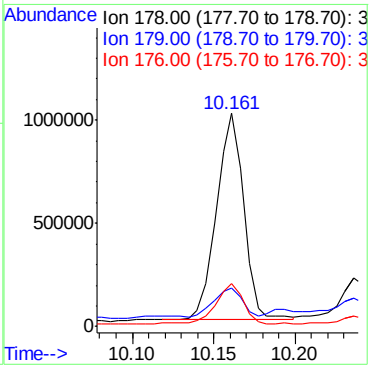


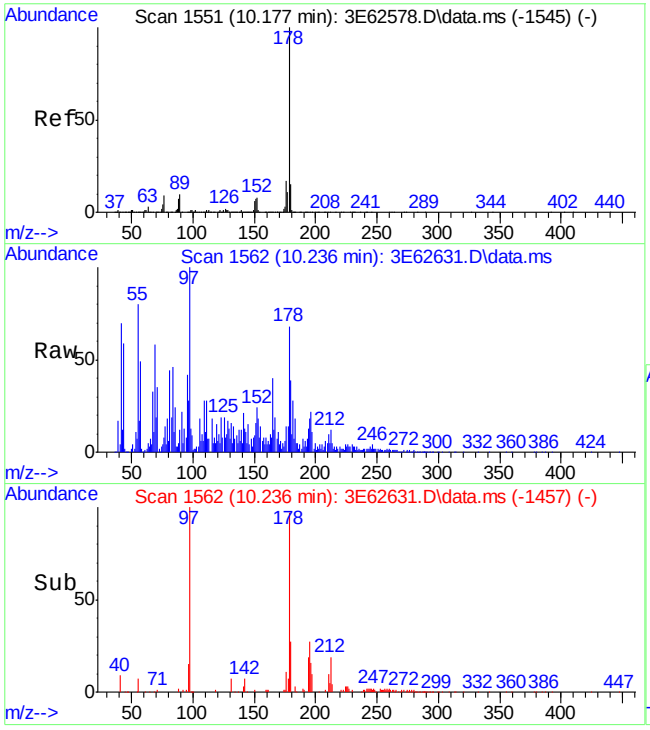


#77
Phenanthrene
Concen: 42.30 ppb
RT: 10.161 min Scan# 1548
Delta R.T. 0.064 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:178 Resp: 1175425

Ion	Ratio	Lower	Upper
178	100		
179	12.8	0.0	44.8
176	19.3	0.0	48.4

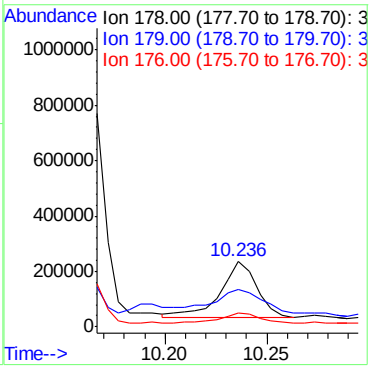


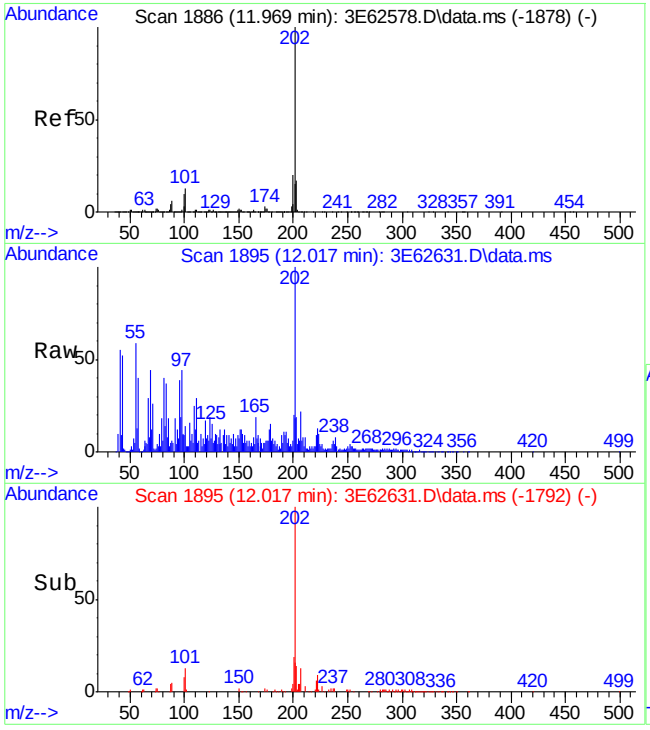


#78
Anthracene
Concen: 8.82 ppb
RT: 10.236 min Scan# 1562
Delta R.T. 0.059 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:178 Resp: 248944

Ion	Ratio	Lower	Upper
178	100		
179	39.2	0.0	45.3
176	18.5	0.0	47.2

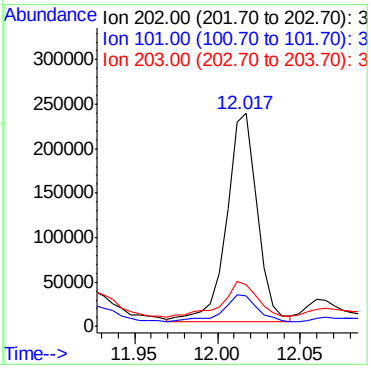


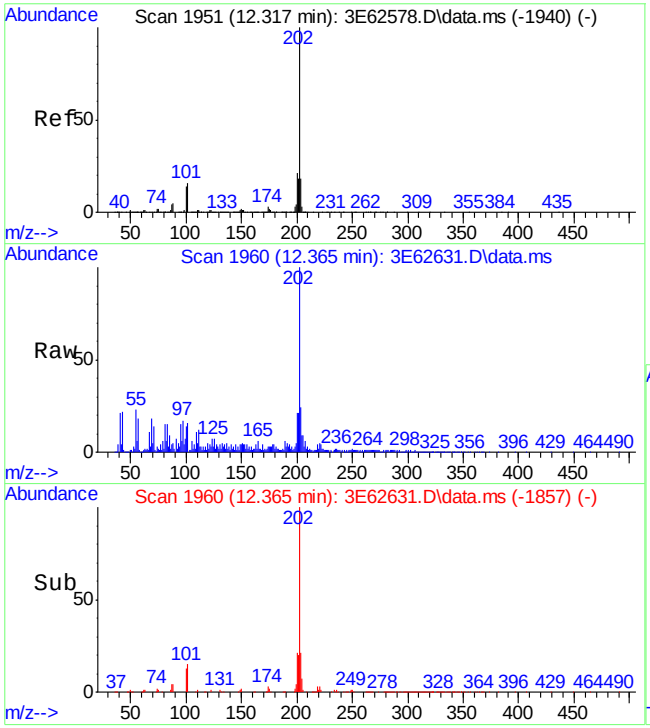


#81
Fluoranthene
Concen: 10.82 ppb m
RT: 12.017 min Scan# 1895
Delta R.T. 0.048 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:202 Resp: 300436

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	42.8
203	19.4	0.0	47.0

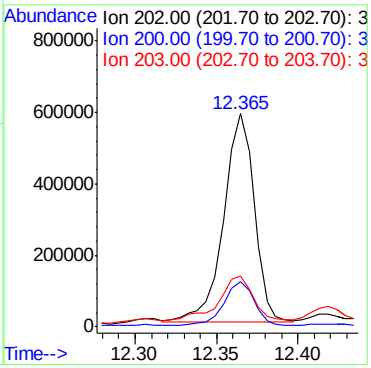


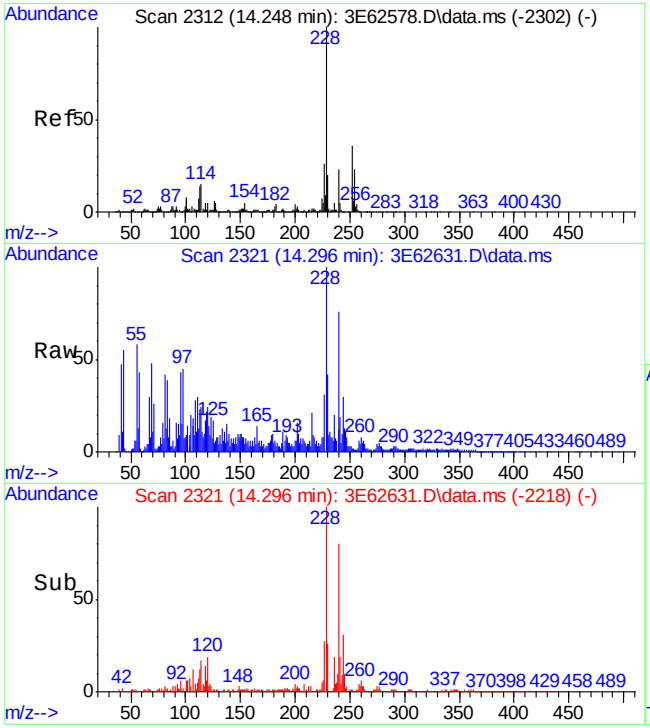


#84
Pyrene
Concen: 27.70 ppb
RT: 12.365 min Scan# 1960
Delta R.T. 0.048 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:202 Resp: 756791

Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.0	50.7
203	21.3	0.0	48.3

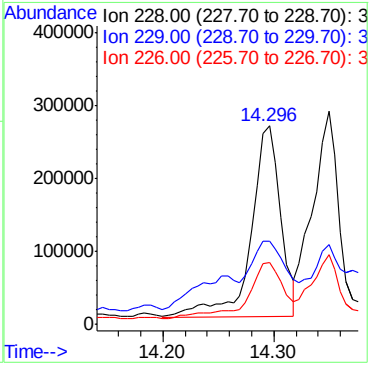


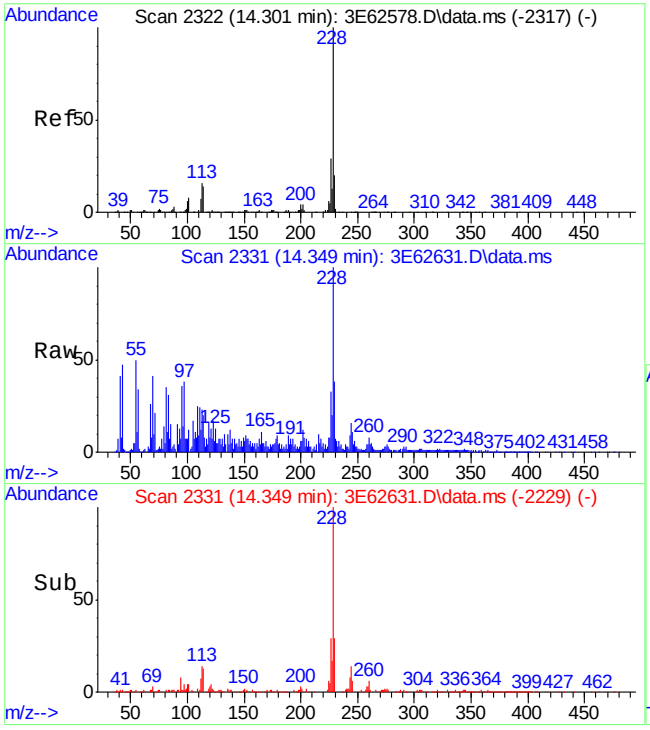


#88
Benzo[a]anthracene
Concen: 19.96 ppb
RT: 14.296 min Scan# 2321
Delta R.T. 0.048 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:228 Resp: 485217

Ion	Ratio	Lower	Upper
228	100		
229	30.4	0.0	49.7
226	27.6	0.0	55.7

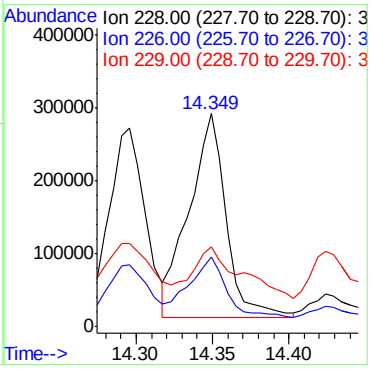


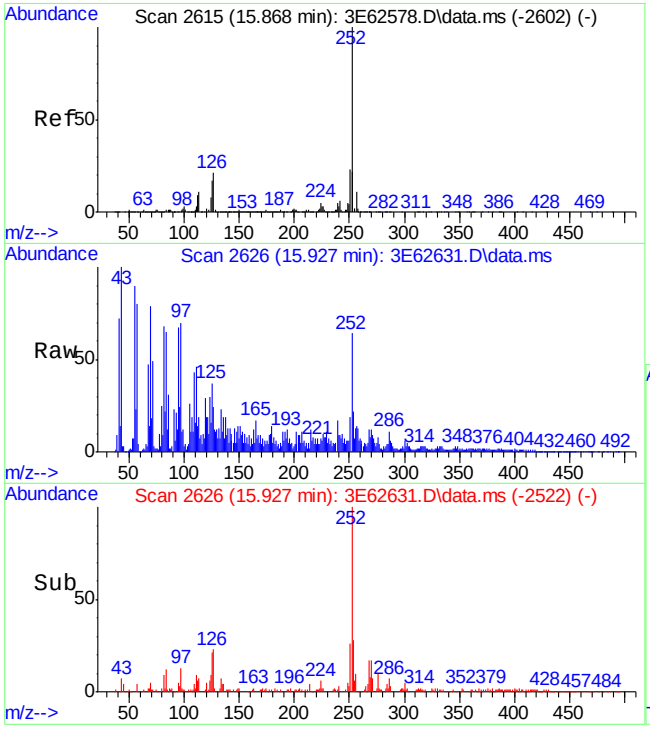


#90
Chrysene
Concen: 21.36 ppb
RT: 14.349 min Scan# 2331
Delta R.T. 0.043 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:228 Resp: 471229

Ion	Ratio	Lower	Upper
228	100		
226	29.1	0.0	58.7
229	23.5	0.0	49.8

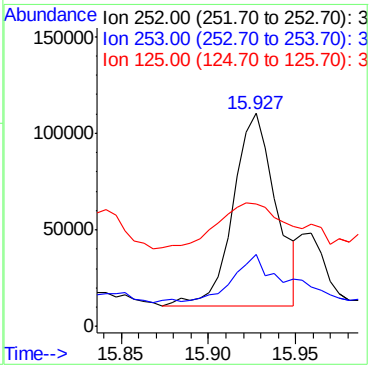


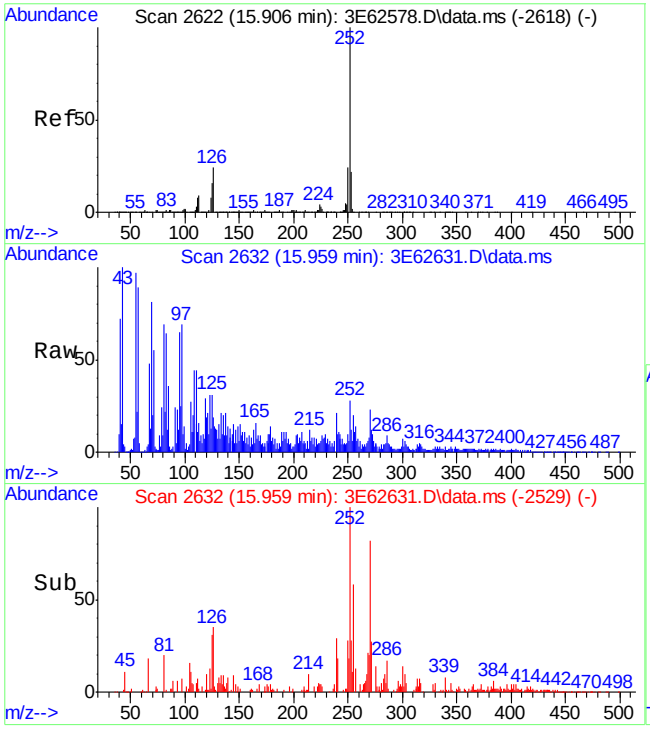


#94
Benzo[b]fluoranthene
Concen: 6.88 ppb
RT: 15.927 min Scan# 2626
Delta R.T. 0.054 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:252 Resp: 172346

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.3
125	20.9	0.0	46.7

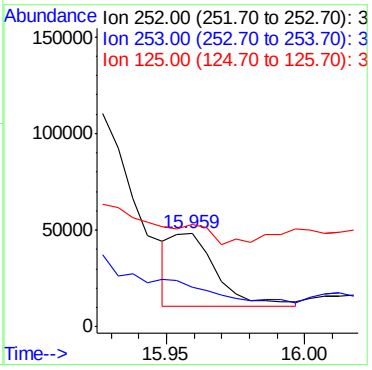


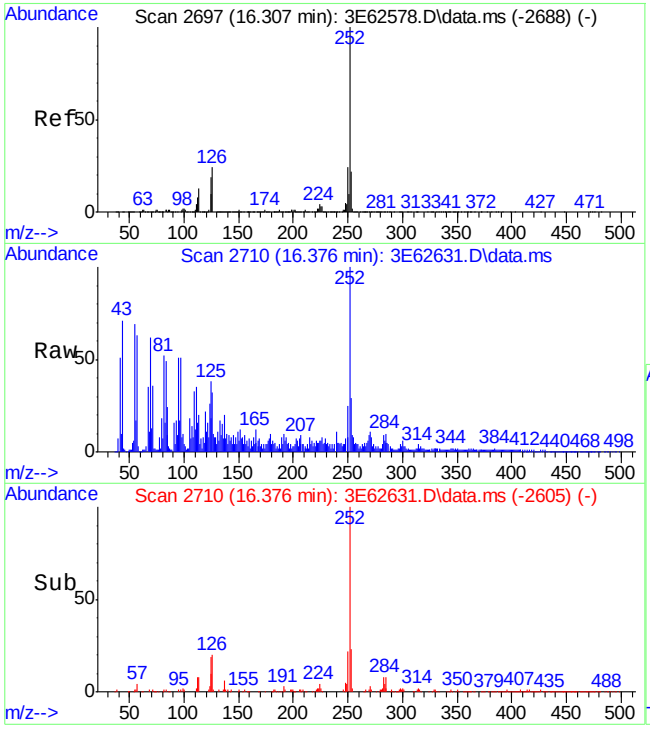


#95
Benzo[k]fluoranthene
Concen: 1.80 ppb m
RT: 15.959 min Scan# 2632
Delta R.T. 0.048 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:252 Resp: 42826

Ion	Ratio	Lower	Upper
252	100		
253	42.4	0.0	52.0
125	109.9	0.0	46.2#

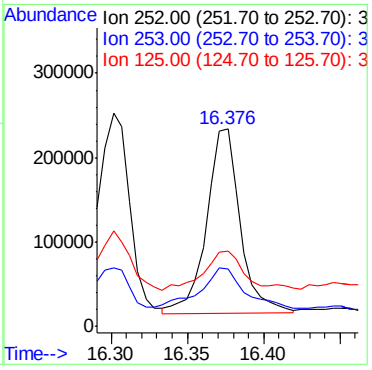


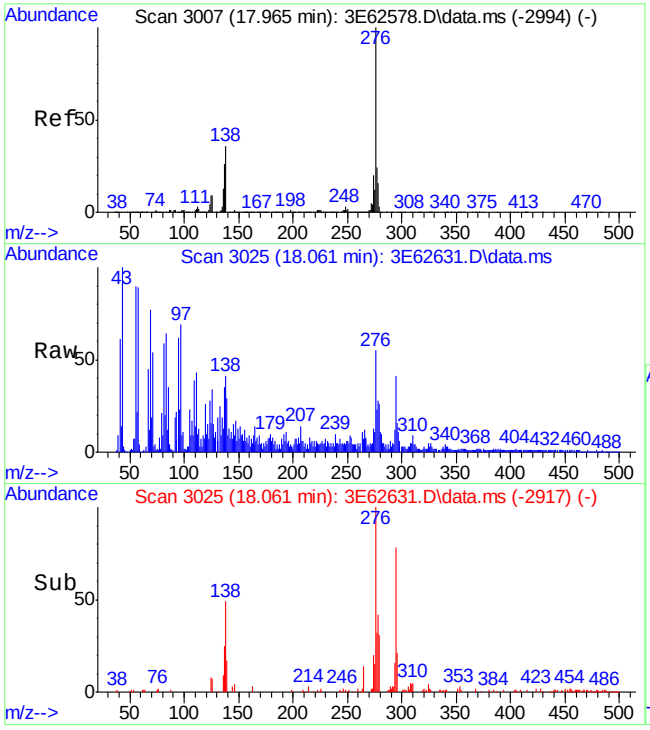


#96
Benzo[a]pyrene
Concen: 15.35 ppb
RT: 16.376 min Scan# 2710
Delta R.T. 0.059 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:252 Resp: 333580

Ion	Ratio	Lower	Upper
252	100		
253	20.8	0.0	51.8
125	20.7	0.0	48.8

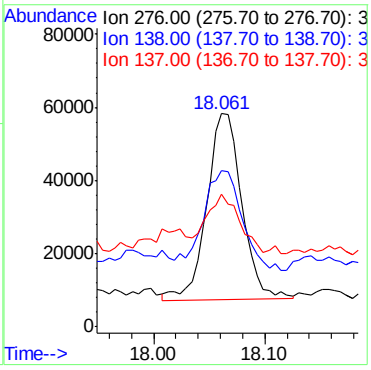


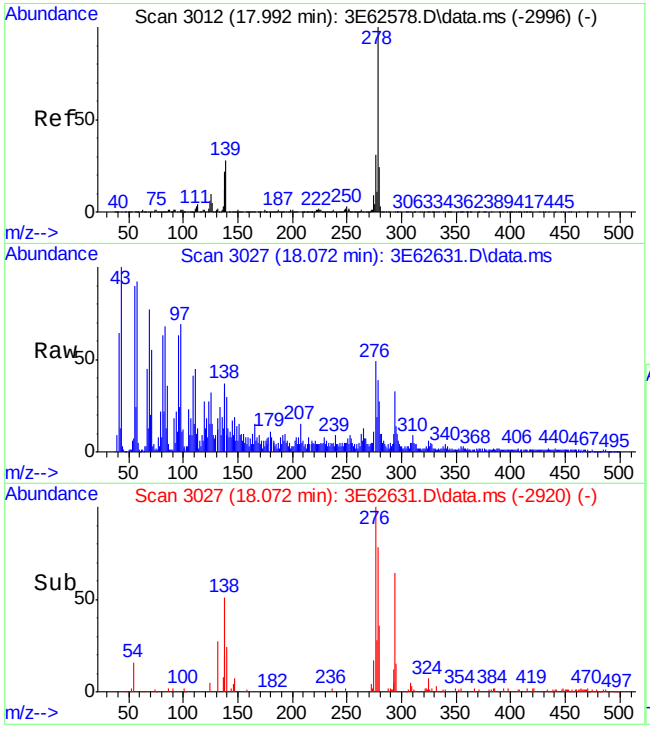


#97
Indeno[1,2,3-cd]pyrene
Concen: 4.39 ppb
RT: 18.061 min Scan# 3025
Delta R.T. 0.075 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:276 Resp: 112758

Ion	Ratio	Lower	Upper
276	100		
138	46.9	6.3	66.3
137	25.3	0.0	56.4

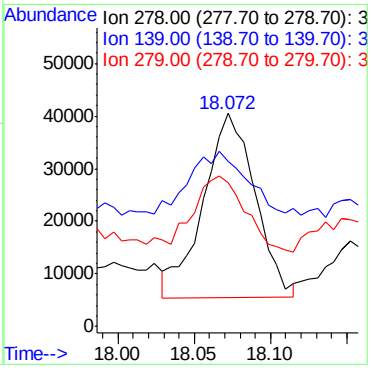


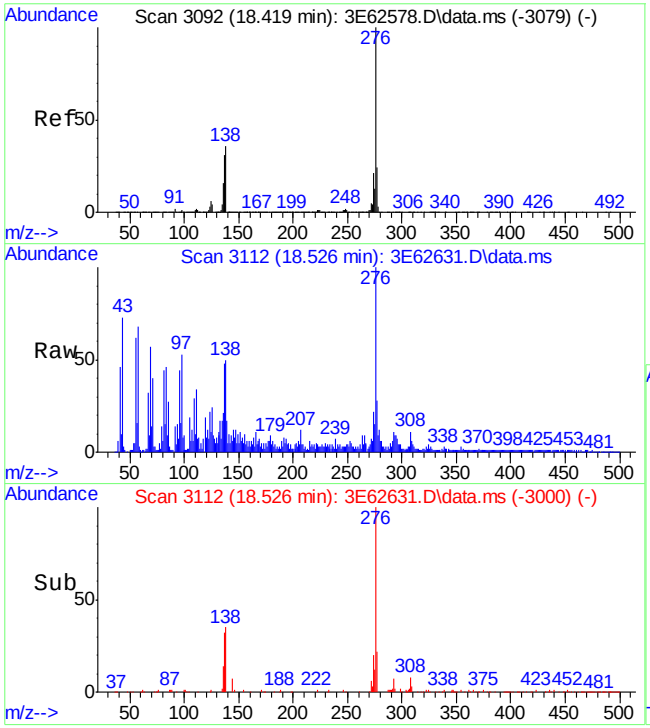


#99
Dibenz[a,h]anthracene
Concen: 3.85 ppb
RT: 18.072 min Scan# 3027
Delta R.T. 0.070 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:278 Resp: 82777

Ion	Ratio	Lower	Upper
278	100		
139	26.4	0.0	57.6
279	39.0	0.0	54.1

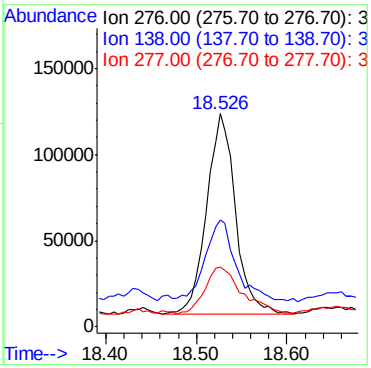




#101
Benzo[g,h,i]perylene
Concen: 12.54 ppb
RT: 18.526 min Scan# 3112
Delta R.T. 0.097 min
Lab File: 3E62631.D
Acq: 28 Jun 2014 8:19 pm

Tgt Ion:276 Resp: 257258

Ion	Ratio	Lower	Upper
276	100		
138	38.4	5.9	65.9
277	22.5	0.0	53.7



Manual Integration Approval Summary

Sample Number:	JB69534-8	**Method:**	SW846 8270D
Lab FileID:	3E62631.D	**Analyst approved:**	07/01/14 11:54 Andrew Lee Smith
Injection Time:	06/28/14 20:19	**Supervisor approved:**	07/01/14 14:16 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Fluoranthene	206-44-0		12.02	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		15.96	Overlapping peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62632.D
Acq On : 28 Jun 2014 8:46 pm
Operator : andrews1
Sample : jb69534-9
Misc : op75766,e3e2683,30.3
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 15:06:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jul 01 09:15:02 2014
QLast Update : Tue Jul 01 09:15:02 2014
Response via : Initial Calibration

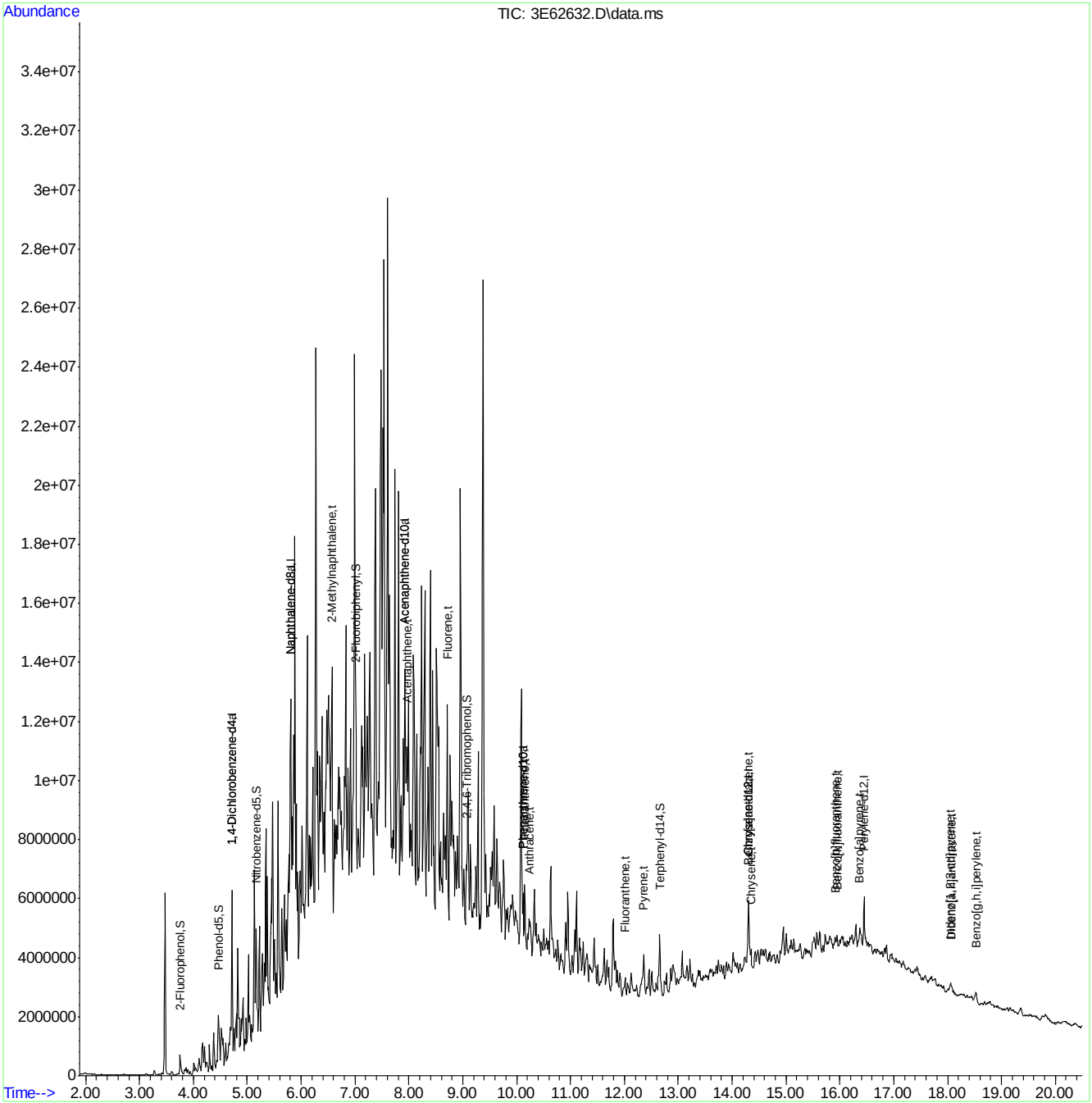
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	271235	40.00	ppb	0.01
24) Naphthalene-d8	5.813	136	1077750	40.00	ppb	0.01
47) Acenaphthene-d10	7.925	164	574113	40.00	ppb	0.05
69) Phenanthrene-d10	10.118	188	753294	40.00	ppb	0.06
83) Chrysene-d12	14.312	240	656018	40.00	ppb	0.05
92) Perylene-d12	16.451	264	604556	40.00	ppb	0.06
102) 1,4-Dichlorobenzene-d4a	4.716	152	270604	40.00	ppb	0.01
104) Acenaphthene-d10a	7.925	164	574113	40.00	ppb	0.05
106) Phenanthrene-d10a	10.118	188	753294	40.00	ppb	0.06
110) Chrysene-d12a	14.312	240	656018	40.00	ppb	0.05
112) Naphthalene-d8a	5.813	136	1077750	40.00	ppb	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.759	112	250613	28.46	ppb	0.01
Spiked Amount 50.000			Recovery = 56.92%			
8) Phenol-d5	4.470	99	352072	32.07	ppb	0.00
Spiked Amount 50.000			Recovery = 64.14%			
25) Nitrobenzene-d5	5.160	82	347040	35.63	ppb	0.00
Spiked Amount 50.000			Recovery = 71.26%			
51) 2-Fluorobiphenyl	7.021	172	763797	39.55	ppb	0.03
Spiked Amount 50.000			Recovery = 79.10%			
73) 2,4,6-Tribromophenol	9.075	330	81199	48.43	ppb	0.06
Spiked Amount 50.000			Recovery = 96.86%			
85) Terphenyl-d14	12.653	244	613593	42.02	ppb	0.04
Spiked Amount 50.000			Recovery = 84.04%			
108) o-Terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
44) 2-Methylnaphthalene	6.577	141	313691	17.03	ppb	90
59) Acenaphthene	7.968	153	253567	13.67	ppb	99
66) Fluorene	8.712	166	434682	21.40	ppb	79
77) Phenanthrene	10.150	178	842578	35.50	ppb	98
78) Anthracene	10.231	178	167422	6.94	ppb	74
81) Fluoranthene	12.012	202	216145	9.11	ppb	98
84) Pyrene	12.365	202	574257	24.68	ppb	99
88) Benzo[a]anthracene	14.296	228	338475	16.35	ppb	93
90) Chrysene	14.349	228	354957	18.89	ppb	98
94) Benzo[b]fluoranthene	15.922	252	135828	6.32	ppb	95
95) Benzo[k]fluoranthene	15.954	252	26383	1.29	ppb	84
96) Benzo[a]pyrene	16.371	252	252684	13.56	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.061	276	78367	3.56	ppb	81
99) Dibenz[a,h]anthracene	18.066	278	56923	3.09	ppb	90
101) Benzo[g,h,i]perylene	18.526	276	194018	11.03	ppb	96

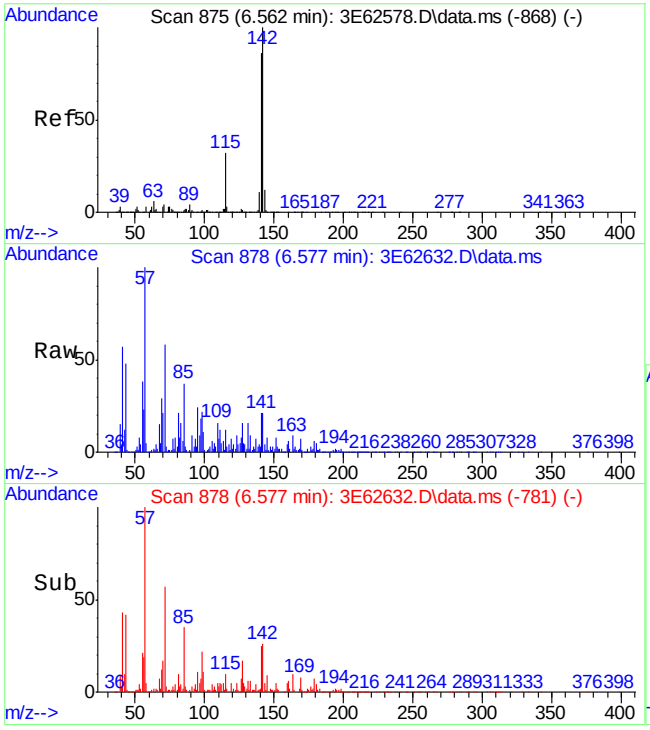
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62632.D
Acq On : 28 Jun 2014 8:46 pm
Operator : andrews1
Sample : jb69534-9
Misc : op75766,e3e2683,30.3
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 15:06:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jul 01 09:15:02 2014
QLast Update : Tue Jul 01 09:15:02 2014
Response via : Initial Calibration

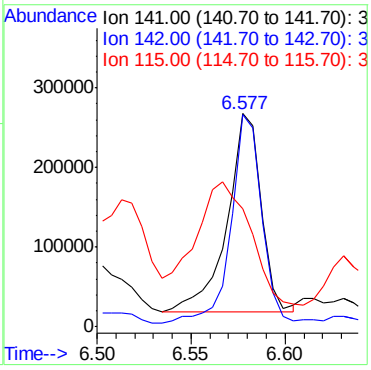


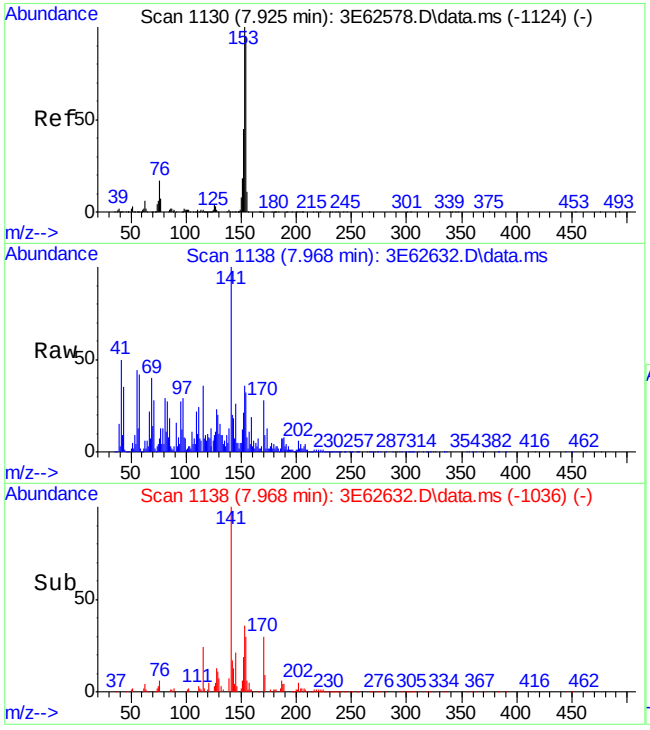


#44
2-Methylnaphthalene
Concen: 17.03 ppb
RT: 6.577 min Scan# 878
Delta R.T. 0.021 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:141 Resp: 313691

Ion	Ratio	Lower	Upper
141	100		
142	105.9	86.4	146.4
115	42.4	6.8	66.8

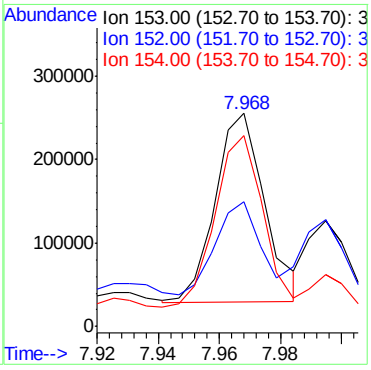


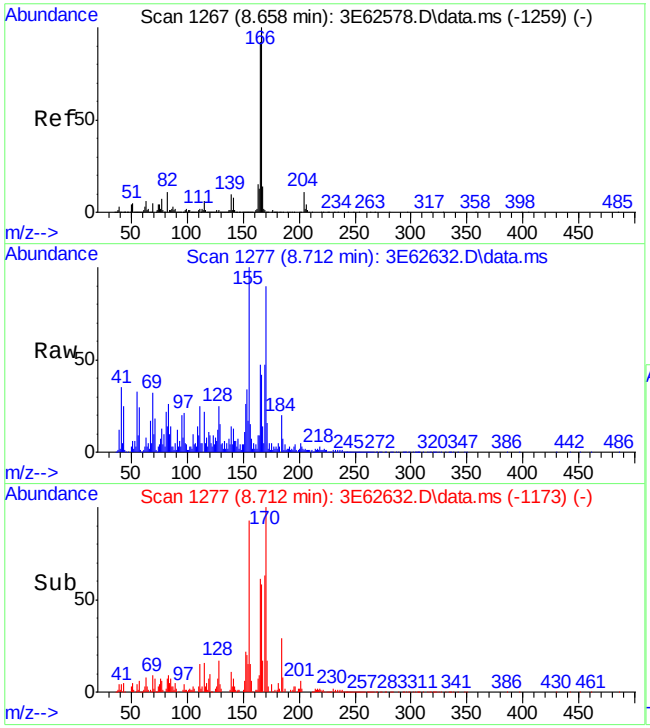


#59
Acenaphthene
Concen: 13.67 ppb
RT: 7.968 min Scan# 1138
Delta R.T. 0.048 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:153 Resp: 253567

Ion	Ratio	Lower	Upper
153	100		
152	45.2	15.1	75.1
154	96.6	65.4	125.4

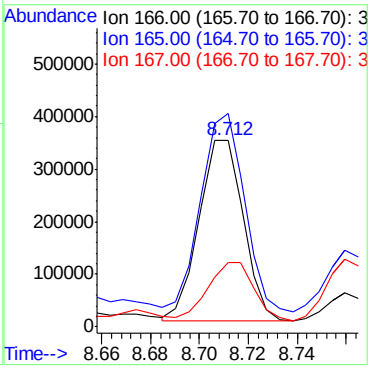


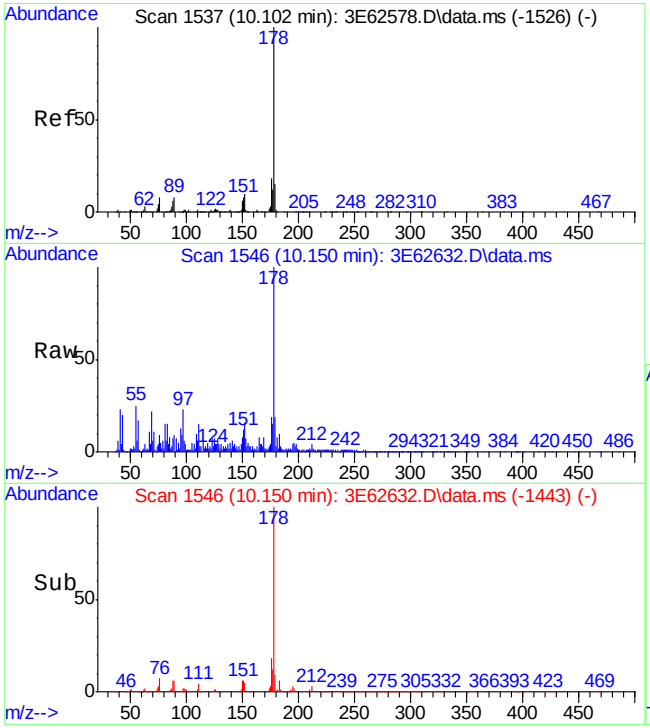


#66
Fluorene
Concen: 21.40 ppb
RT: 8.712 min Scan# 1277
Delta R.T. 0.059 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:166 Resp: 434682

Ion	Ratio	Lower	Upper
166	100		
165	109.4	62.5	122.5
167	31.4	0.0	43.9

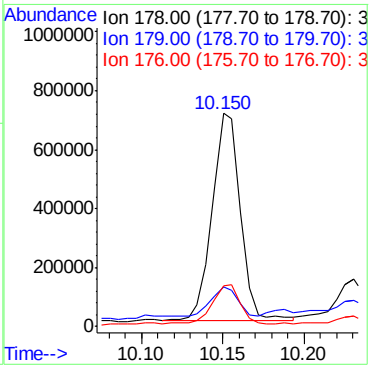


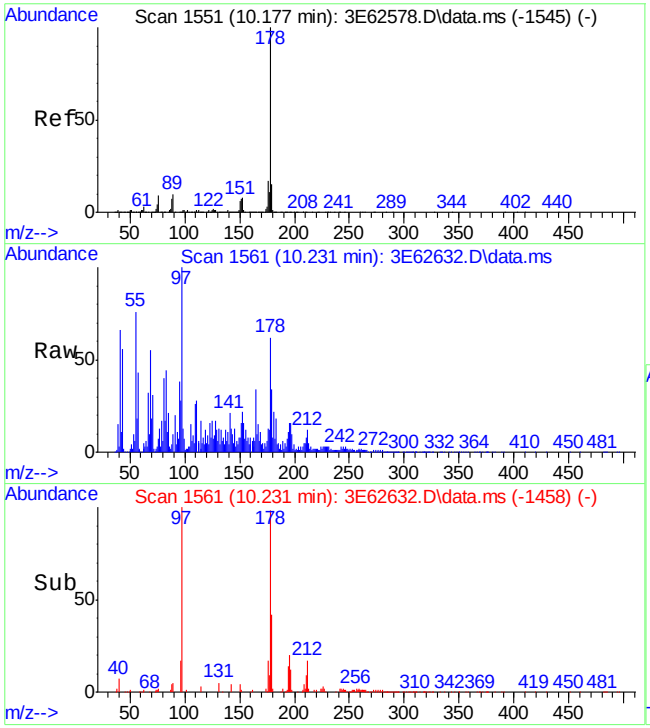


#77
Phenanthrene
Concen: 35.50 ppb
RT: 10.150 min Scan# 1546
Delta R.T. 0.054 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:178 Resp: 842578

Ion	Ratio	Lower	Upper
178	100		
179	13.6	0.0	44.8
176	18.6	0.0	48.4

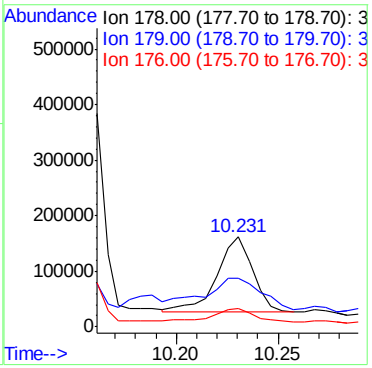


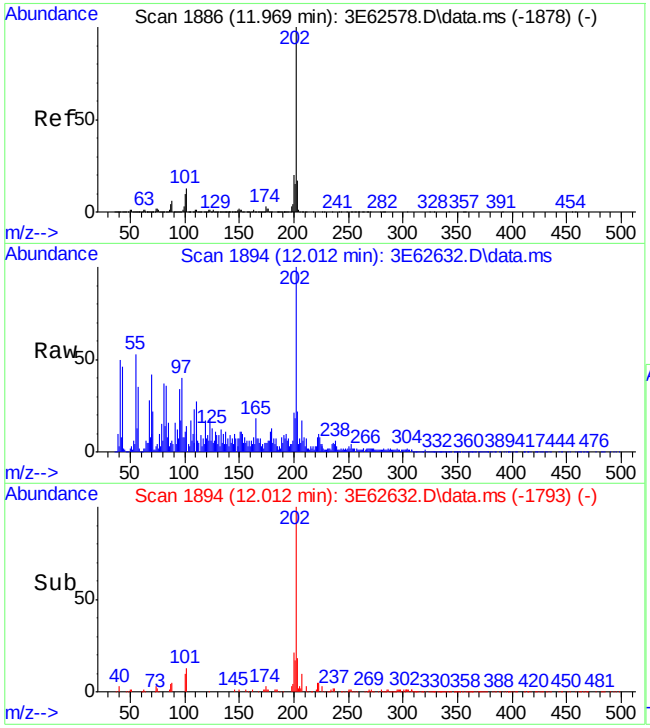


#78
Anthracene
Concen: 6.94 ppb
RT: 10.231 min Scan# 1561
Delta R.T. 0.054 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:178 Resp: 167422

Ion	Ratio	Lower	Upper
178	100		
179	37.5	0.0	45.3
176	17.9	0.0	47.2

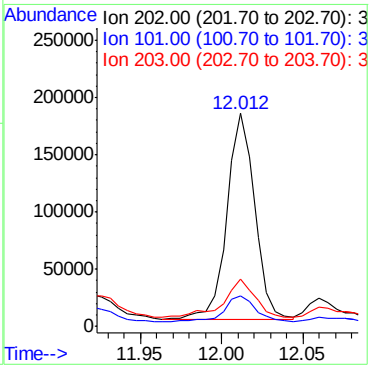


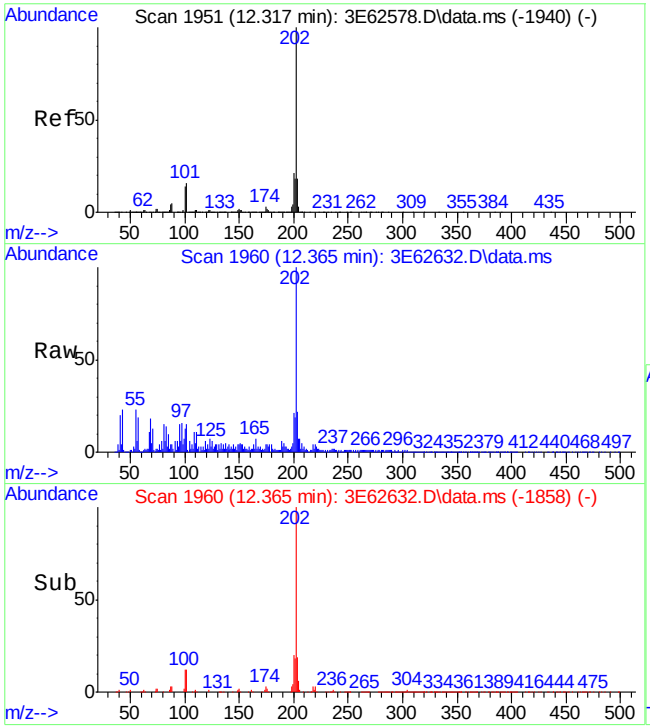


#81
Fluoranthene
Concen: 9.11 ppb
RT: 12.012 min Scan# 1894
Delta R.T. 0.043 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:202 Resp: 216145

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	42.8
203	18.5	0.0	47.0

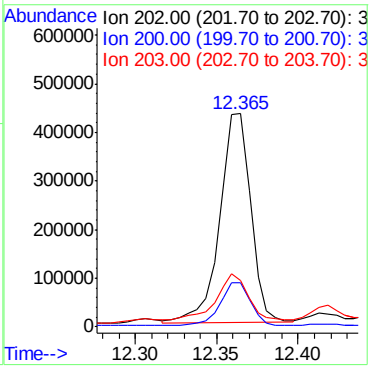


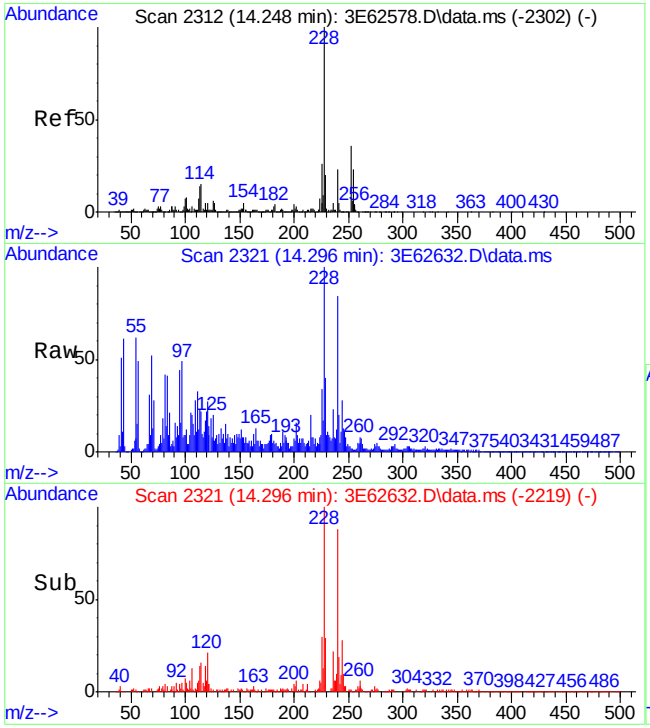


#84
Pyrene
Concen: 24.68 ppb
RT: 12.365 min Scan# 1960
Delta R.T. 0.048 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:202 Resp: 574257

Ion	Ratio	Lower	Upper
202	100		
200	20.6	0.0	50.7
203	19.2	0.0	48.3

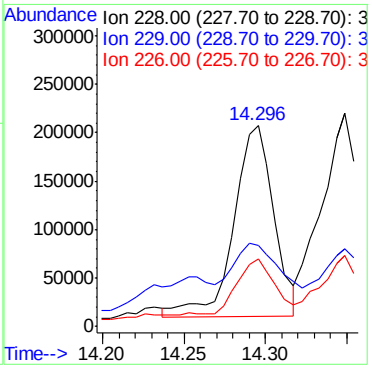


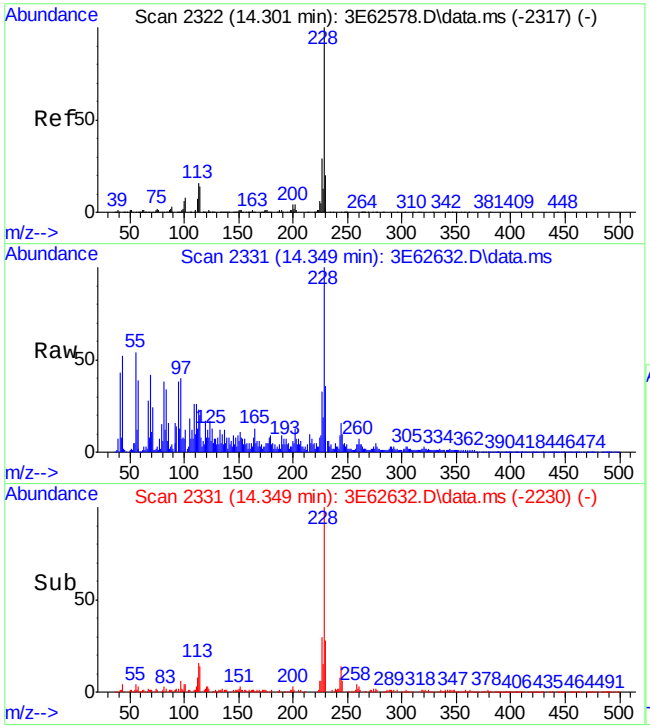


#88
Benzo[a]anthracene
Concen: 16.35 ppb
RT: 14.296 min Scan# 2321
Delta R.T. 0.048 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:228 Resp: 338475

Ion	Ratio	Lower	Upper
228	100		
229	22.3	0.0	49.7
226	29.7	0.0	55.7

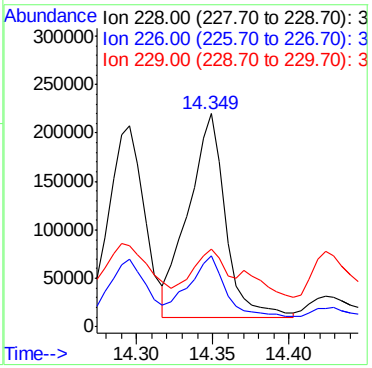


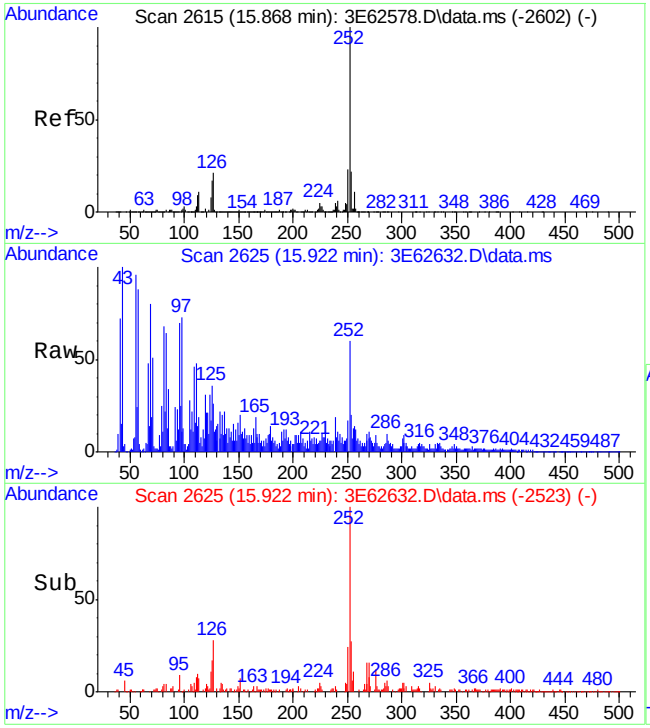


#90
Chrysene
Concen: 18.89 ppb
RT: 14.349 min Scan# 2331
Delta R.T. 0.043 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:228 Resp: 354957

Ion	Ratio	Lower	Upper
228	100		
226	29.1	0.0	58.7
229	21.6	0.0	49.8

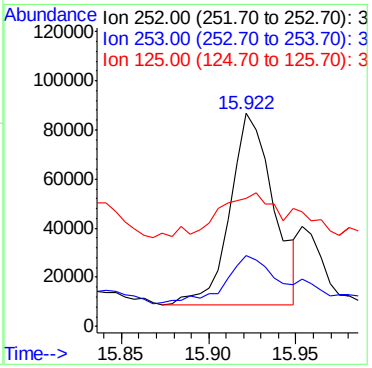


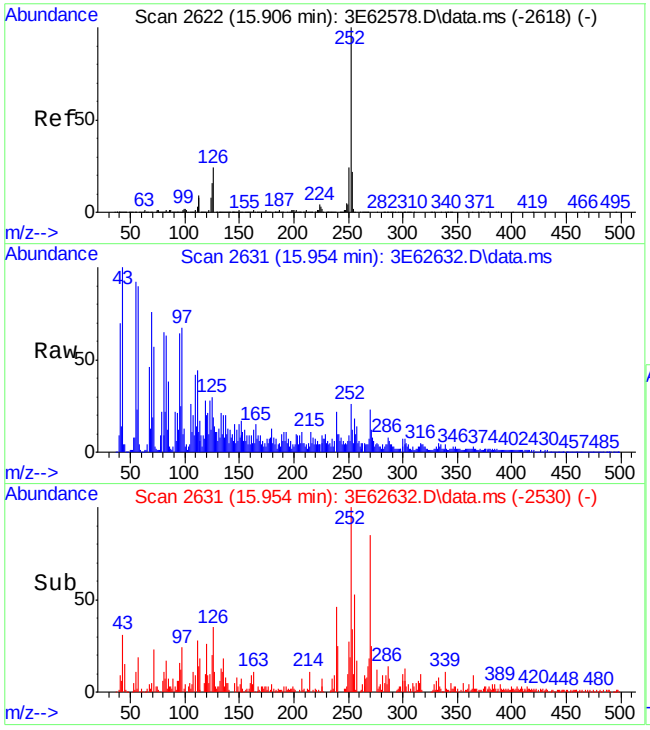


#94
Benzo[b]fluoranthene
Concen: 6.32 ppb
RT: 15.922 min Scan# 2625
Delta R.T. 0.048 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:252 Resp: 135828

Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	52.3
125	13.8	0.0	46.7

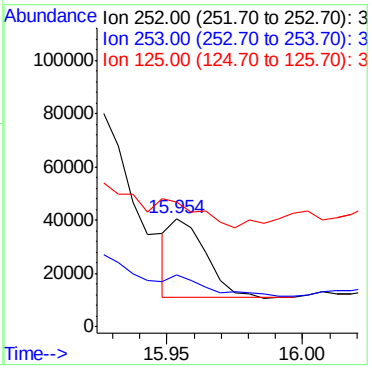


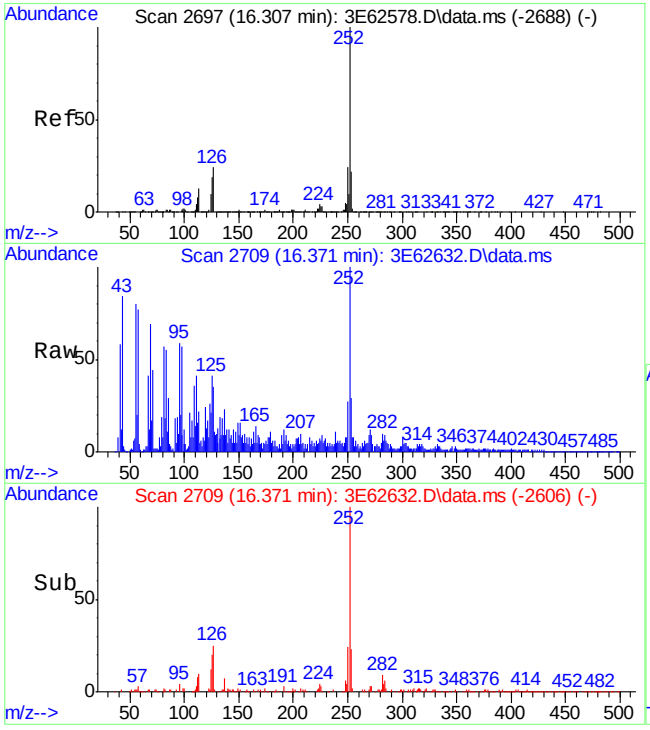


#95
Benzo[k]fluoranthene
Concen: 1.29 ppb
RT: 15.954 min Scan# 2631
Delta R.T. 0.043 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:252 Resp: 26383

Ion	Ratio	Lower	Upper
252	100		
253	28.9	0.0	52.0
125	7.9	0.0	46.2

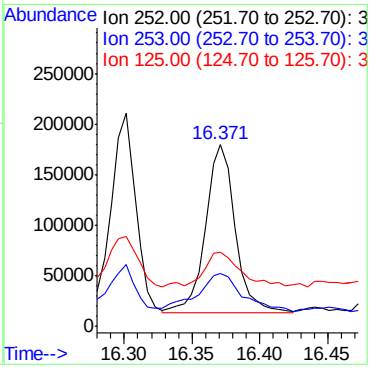


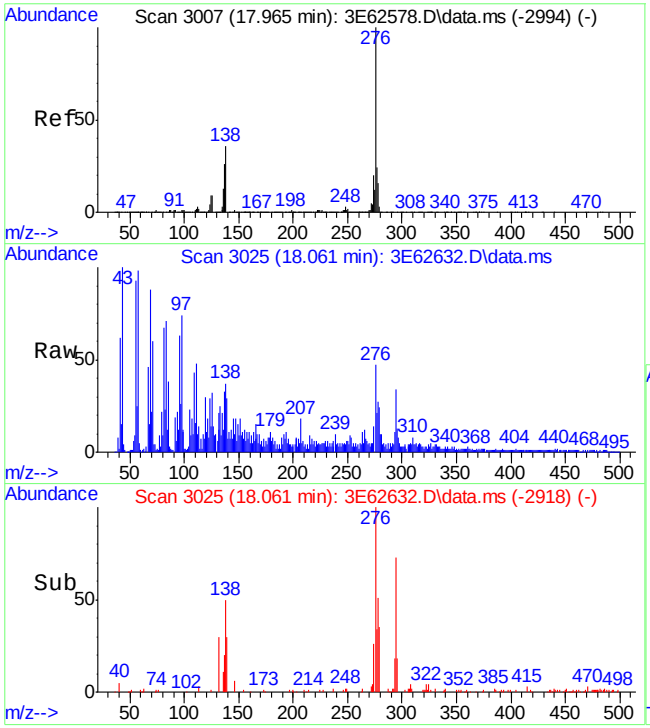


#96
Benzo[a]pyrene
Concen: 13.56 ppb
RT: 16.371 min Scan# 2709
Delta R.T. 0.054 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:252 Resp: 252684

Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	51.8
125	19.9	0.0	48.8

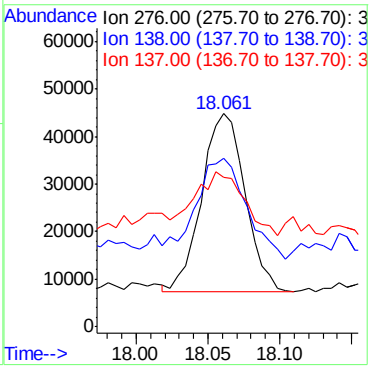


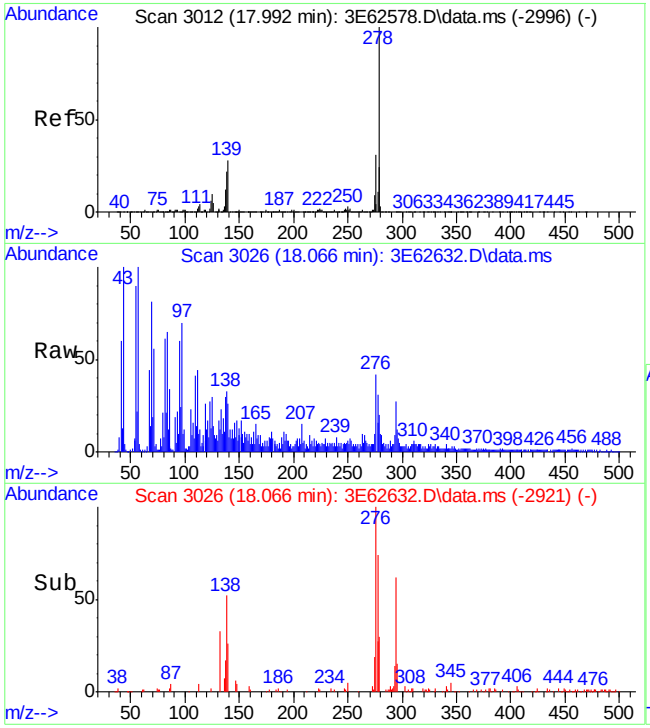


#97
Indeno[1,2,3-cd]pyrene
Concen: 3.56 ppb
RT: 18.061 min Scan# 3025
Delta R.T. 0.075 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:276 Resp: 78367

Ion	Ratio	Lower	Upper
276	100		
138	51.2	6.3	66.3
137	21.3	0.0	56.4

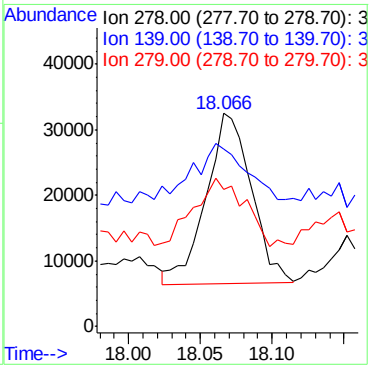


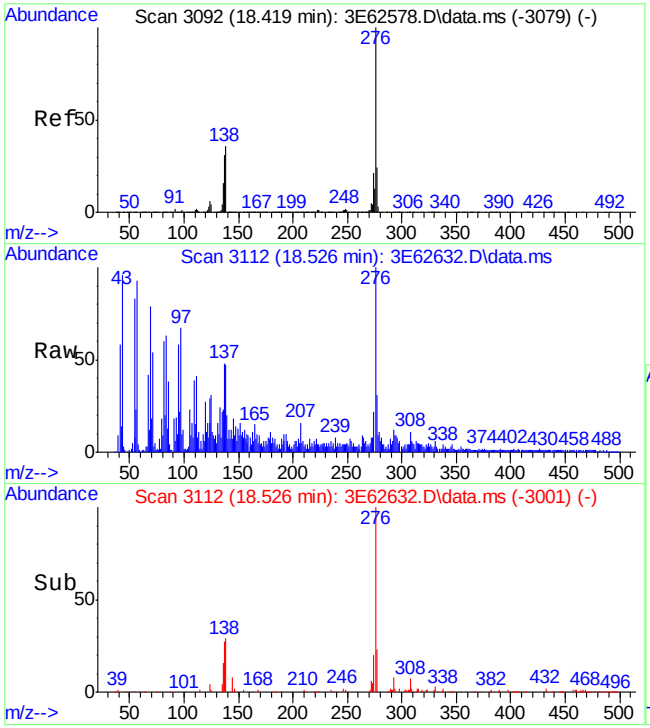


#99
Dibenz[a,h]anthracene
Concen: 3.09 ppb
RT: 18.066 min Scan# 3026
Delta R.T. 0.064 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:278 Resp: 56923

Ion	Ratio	Lower	Upper
278	100		
139	26.7	0.0	57.6
279	33.5	0.0	54.1

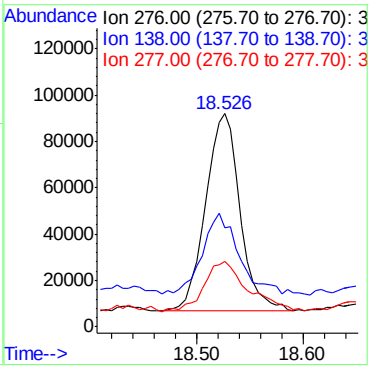




#101
Benzo[g,h,i]perylene
Concen: 11.03 ppb
RT: 18.526 min Scan# 3112
Delta R.T. 0.096 min
Lab File: 3E62632.D
Acq: 28 Jun 2014 8:46 pm

Tgt Ion:276 Resp: 194018

Ion	Ratio	Lower	Upper
276	100		
138	33.3	5.9	65.9
277	25.0	0.0	53.7



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/01/14 14:16

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62633.D
Acq On : 28 Jun 2014 9:13 pm
Operator : andrews1
Sample : jb69534-10
Misc : op75766,e3e2683,30.5
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 11:26:23 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jul 01 09:15:02 2014
QLast Update : Tue Jul 01 09:15:02 2014
Response via : Initial Calibration

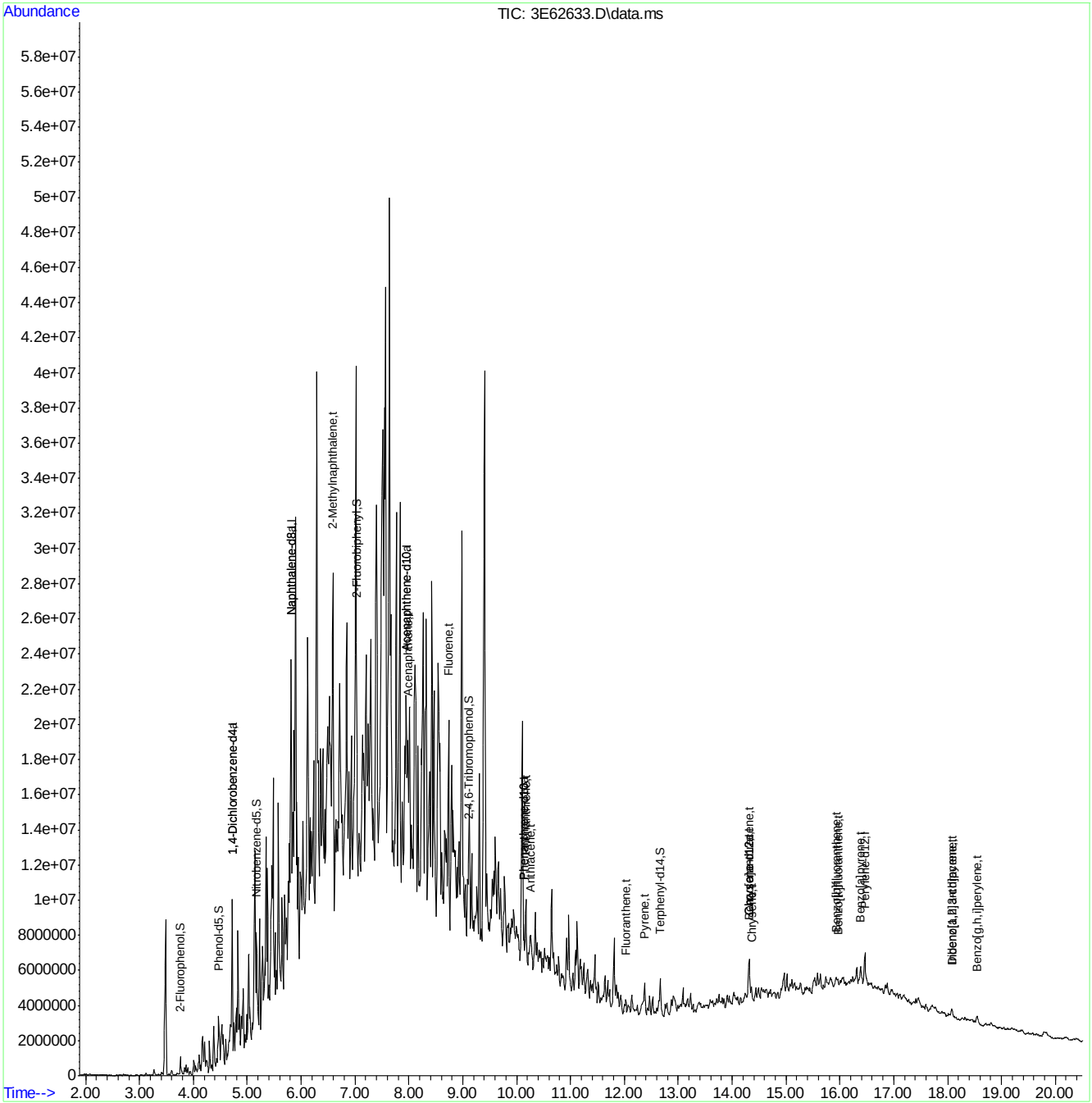
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	309148	40.00	ppb	0.01
24) Naphthalene-d8	5.818	136	1196585	40.00	ppb	0.02
47) Acenaphthene-d10	7.947	164	661231	40.00	ppb	0.08
69) Phenanthrene-d10	10.135	188	770349	40.00	ppb	0.08
83) Chrysene-d12	14.323	240	667864	40.00	ppb	0.06
92) Perylene-d12	16.467	264	638657	40.00	ppb	0.08
102) 1,4-Dichlorobenzene-d4a	4.716	152	306634	40.00	ppb	0.01
104) Acenaphthene-d10a	7.947	164	661231	40.00	ppb	0.08
106) Phenanthrene-d10a	10.135	188	770349	40.00	ppb	0.08
110) Chrysene-d12a	14.323	240	667864	40.00	ppb	0.06
112) Naphthalene-d8a	5.818	136	1196585	40.00	ppb	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.759	112	335265	33.41	ppb	0.01
Spiked Amount 50.000			Recovery = 66.82%			
8) Phenol-d5	4.470	99	425251	33.98	ppb	0.00
Spiked Amount 50.000			Recovery = 67.96%			
25) Nitrobenzene-d5	5.160	82	451868	41.78	ppb	0.00
Spiked Amount 50.000			Recovery = 83.56%			
51) 2-Fluorobiphenyl	7.032	172	890471	40.03	ppb	0.04
Spiked Amount 50.000			Recovery = 80.06%			
73) 2,4,6-Tribromophenol	9.102	330	86009	50.16	ppb	0.09
Spiked Amount 50.000			Recovery = 100.32%			
85) Terphenyl-d14	12.664	244	615596	41.40	ppb	0.05
Spiked Amount 50.000			Recovery = 82.80%			
108) o-Terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
44) 2-Methylnaphthalene	6.594	141	2033673	99.45	ppb	98
59) Acenaphthene	7.990	153	410919	19.24	ppb	99
66) Fluorene	8.733	166	710614	30.38	ppb	84
77) Phenanthrene	10.172	178	1289863	53.15	ppb	97
78) Anthracene	10.247	178	237987	9.65	ppb	68
81) Fluoranthene	12.028	202	288004m	11.88	ppb	
84) Pyrene	12.376	202	679634	28.69	ppb	96
88) Benzo[a]anthracene	14.306	228	443191	21.03	ppb	92
90) Chrysene	14.360	228	432685	22.62	ppb	98
94) Benzo[b]fluoranthene	15.938	252	205041	9.03	ppb	93
95) Benzo[k]fluoranthene	15.970	252	50752	2.35	ppb	76
96) Benzo[a]pyrene	16.387	252	341573	17.35	ppb	96
97) Indeno[1,2,3-cd]pyrene	18.083	276	125661	5.40	ppb	91
99) Dibenz[a,h]anthracene	18.088	278	85160	4.37	ppb	66
101) Benzo[g,h,i]perylene	18.548	276	268702	14.45	ppb	100

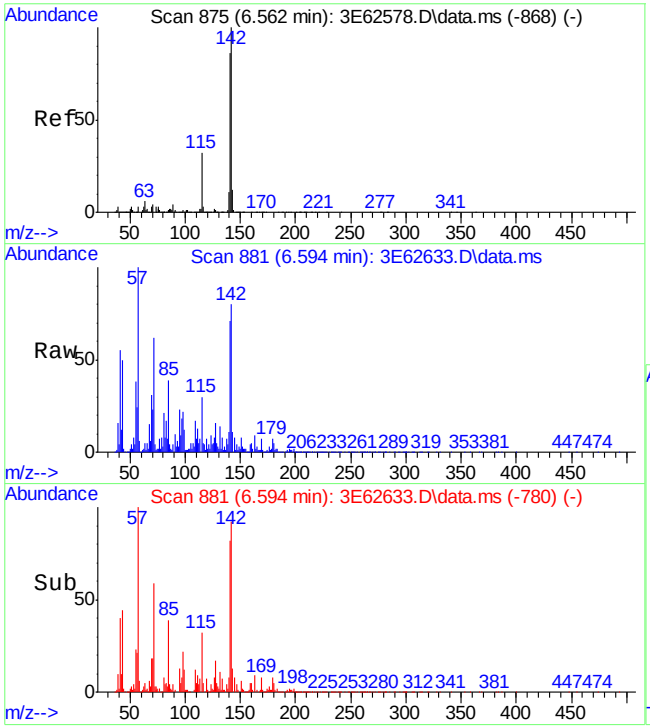
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62633.D
Acq On : 28 Jun 2014 9:13 pm
Operator : andrews1
Sample : jb69534-10
Misc : op75766,e3e2683,30.5
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 11:26:23 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jul 01 09:15:02 2014
QLast Update : Tue Jul 01 09:15:02 2014
Response via : Initial Calibration

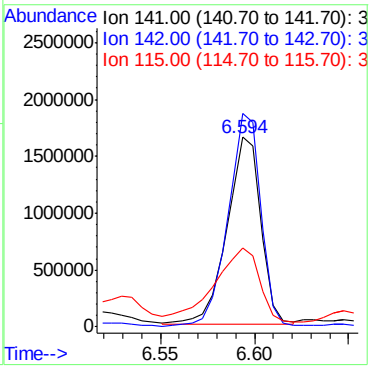


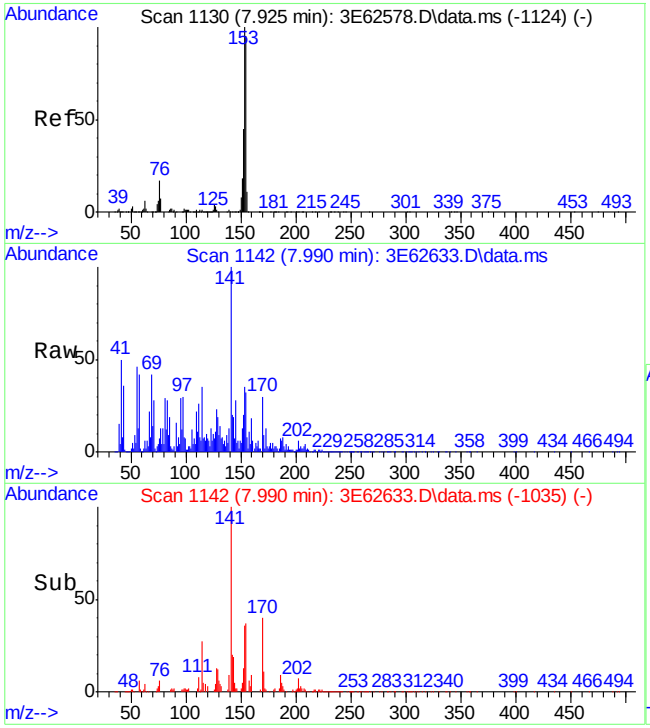


#44
2-Methylnaphthalene
Concen: 99.45 ppb
RT: 6.594 min Scan# 881
Delta R.T. 0.038 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:141 Resp: 2033673

Ion	Ratio	Lower	Upper
141	100		
142	114.3	86.4	146.4
115	38.4	6.8	66.8

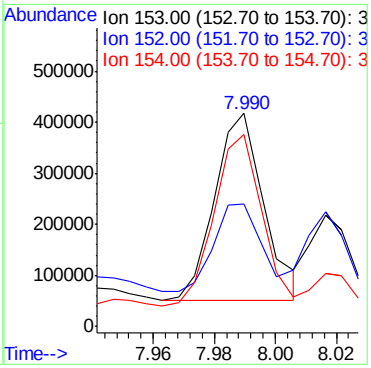


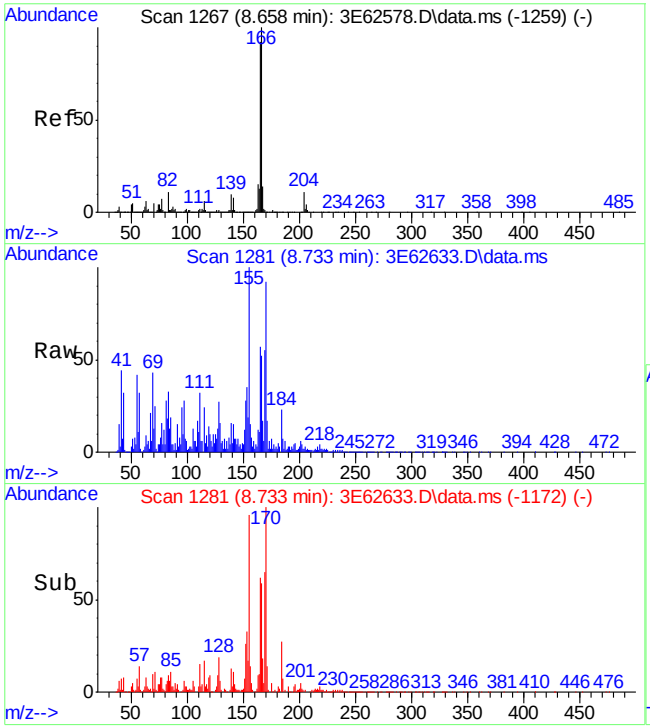


#59
Acenaphthene
Concen: 19.24 ppb
RT: 7.990 min Scan# 1142
Delta R.T. 0.070 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:153 Resp: 410919

Ion	Ratio	Lower	Upper
153	100		
152	44.7	15.1	75.1
154	96.6	65.4	125.4

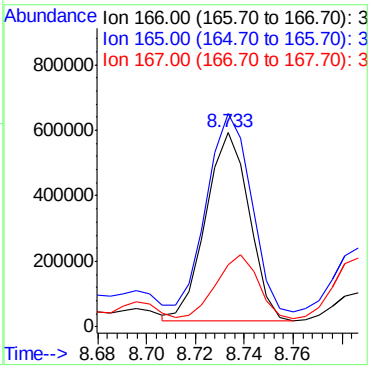


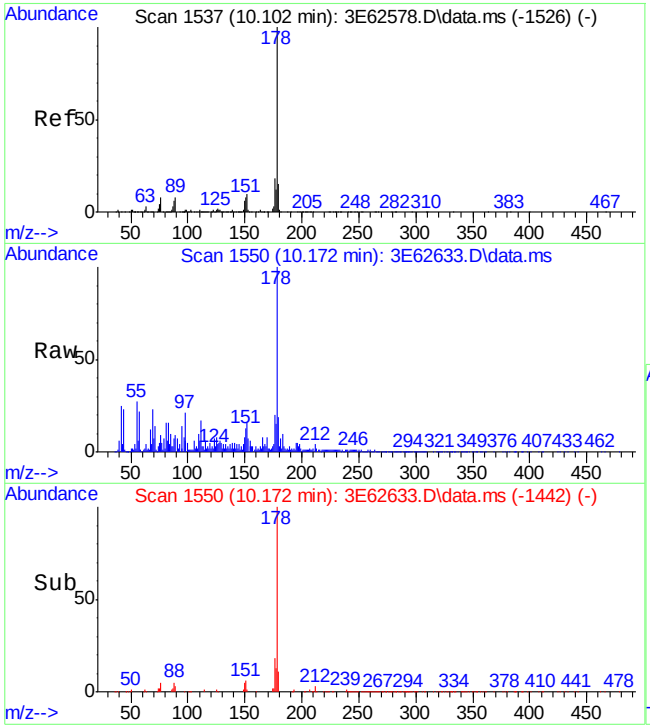


#66
Fluorene
Concen: 30.38 ppb
RT: 8.733 min Scan# 1281
Delta R.T. 0.081 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:166 Resp: 710614

Ion	Ratio	Lower	Upper
166	100		
165	104.8	62.5	122.5
167	27.4	0.0	43.9

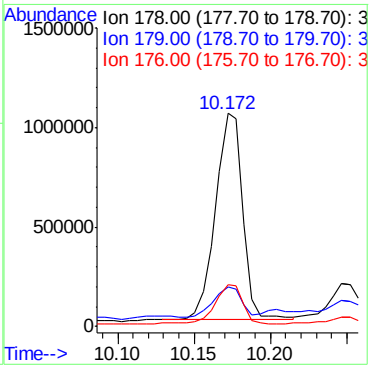


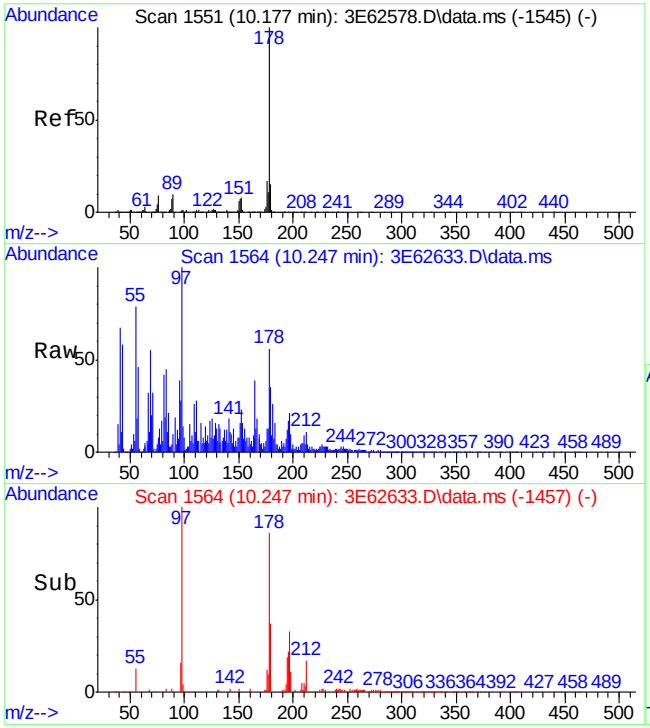


#77
Phenanthrene
Concen: 53.15 ppb
RT: 10.172 min Scan# 1550
Delta R.T. 0.075 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:178 Resp: 1289863

Ion	Ratio	Lower	Upper
178	100		
179	13.0	0.0	44.8
176	19.1	0.0	48.4

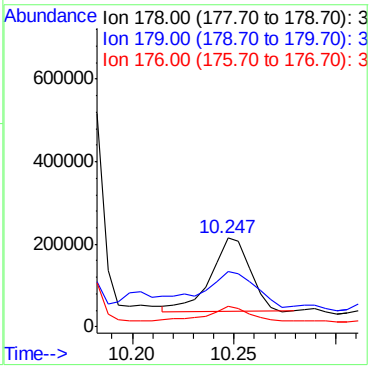


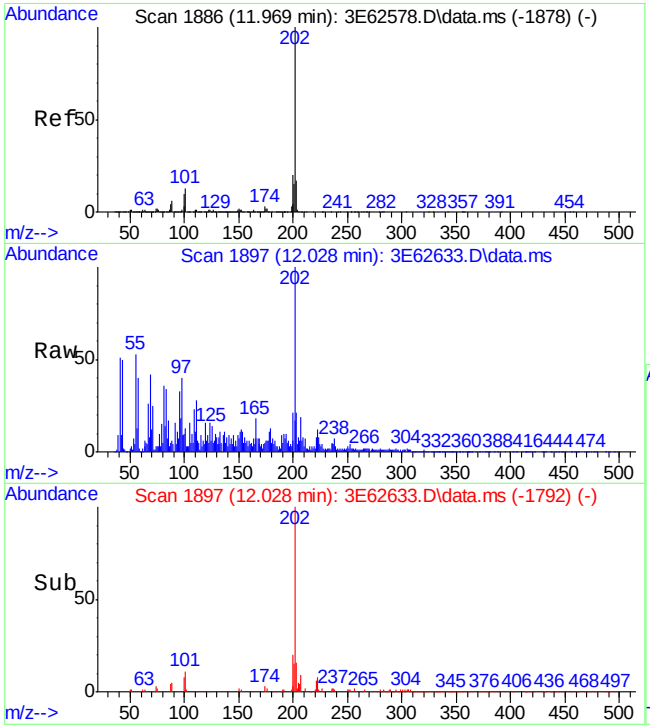


#78
Anthracene
Concen: 9.65 ppb
RT: 10.247 min Scan# 1564
Delta R.T. 0.070 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:178 Resp: 237987

Ion	Ratio	Lower	Upper
178	100		
179	41.5	0.0	45.3
176	19.1	0.0	47.2

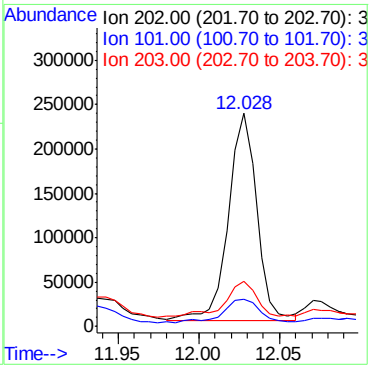


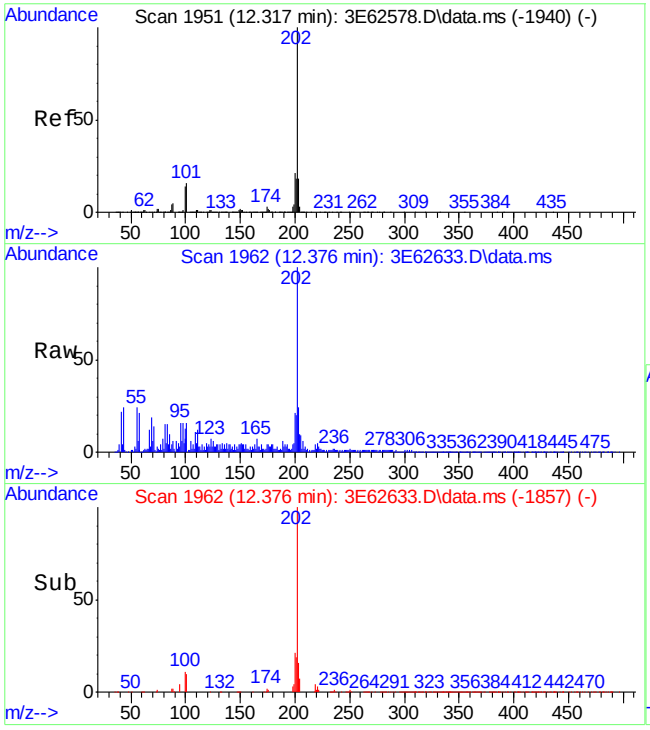


#81
Fluoranthene
Concen: 11.88 ppb m
RT: 12.028 min Scan# 1897
Delta R.T. 0.059 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:202 Resp: 288004

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	42.8
203	21.2	0.0	47.0

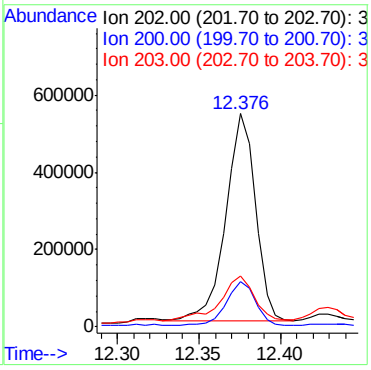


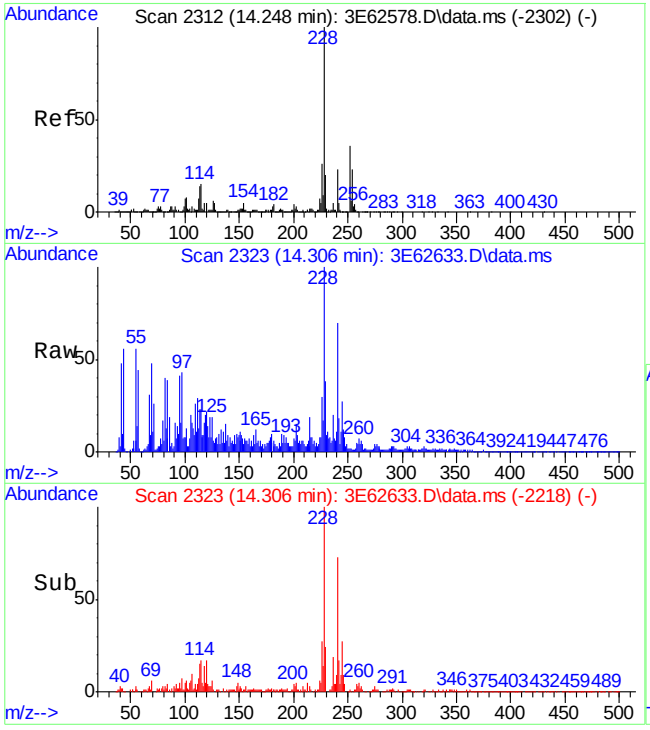


#84
Pyrene
Concen: 28.69 ppb
RT: 12.376 min Scan# 1962
Delta R.T. 0.059 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:202 Resp: 679634

Ion	Ratio	Lower	Upper
202	100		
200	21.4	0.0	50.7
203	21.4	0.0	48.3

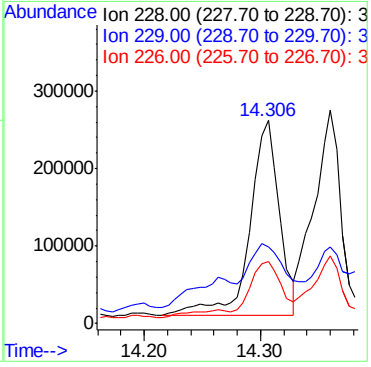


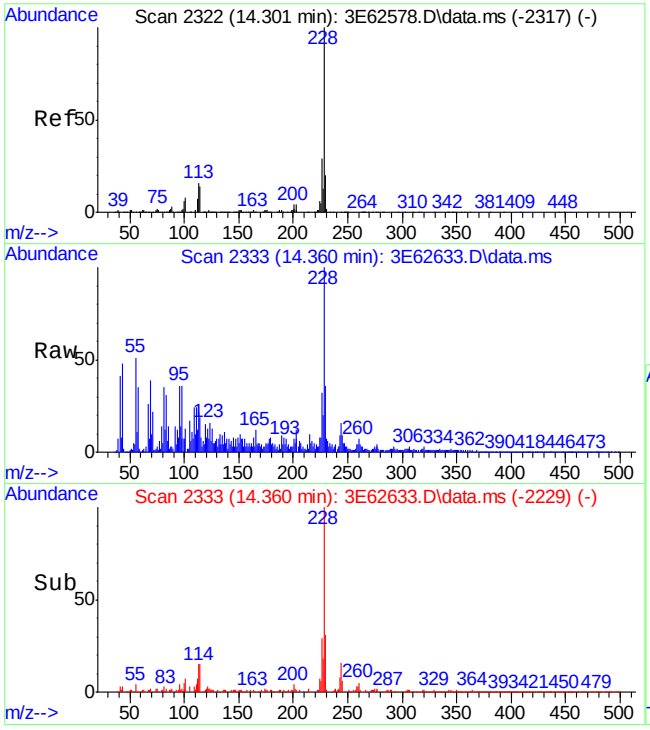


#88
Benzo[a]anthracene
Concen: 21.03 ppb
RT: 14.306 min Scan# 2323
Delta R.T. 0.059 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:228 Resp: 443191

Ion	Ratio	Lower	Upper
228	100		
229	26.6	0.0	49.7
226	26.9	0.0	55.7

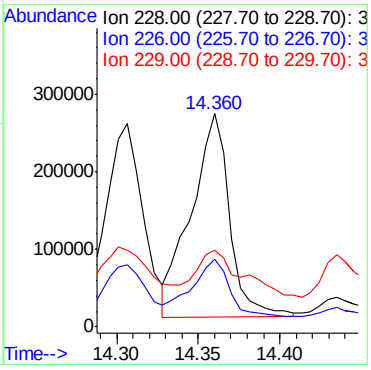


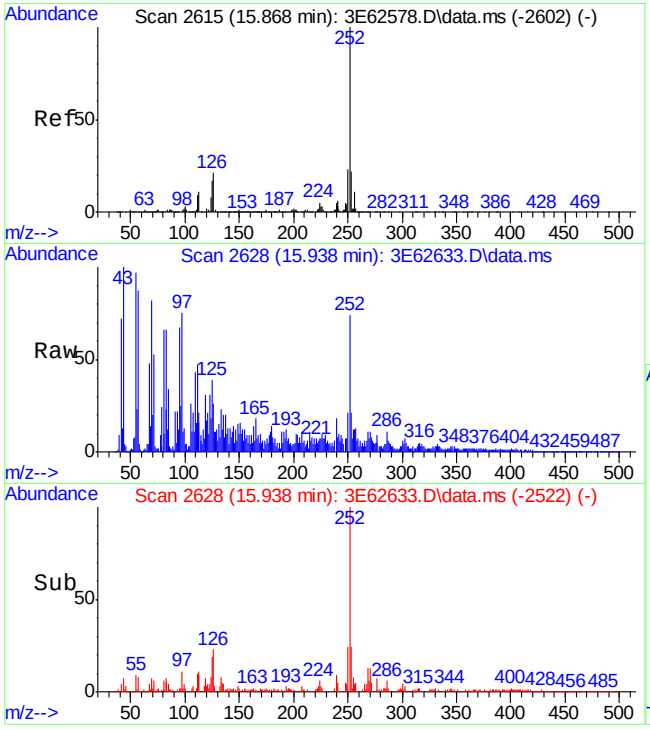


#90
Chrysene
Concen: 22.62 ppb
RT: 14.360 min Scan# 2333
Delta R.T. 0.054 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:228 Resp: 432685

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	58.7
229	21.5	0.0	49.8

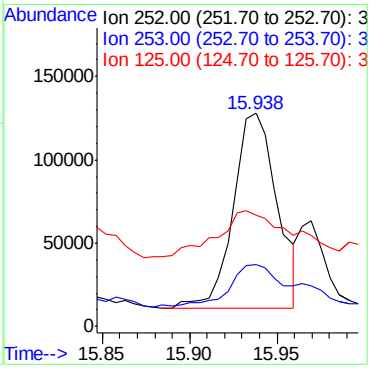


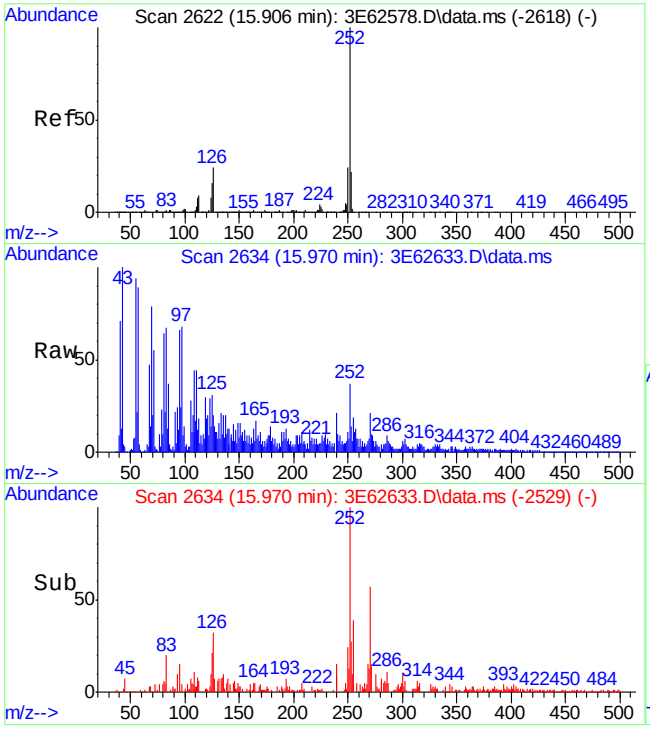


#94
Benzo[b]fluoranthene
Concen: 9.03 ppb
RT: 15.938 min Scan# 2628
Delta R.T. 0.064 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:252 Resp: 205041

Ion	Ratio	Lower	Upper
252	100		
253	18.6	0.0	52.3
125	19.1	0.0	46.7

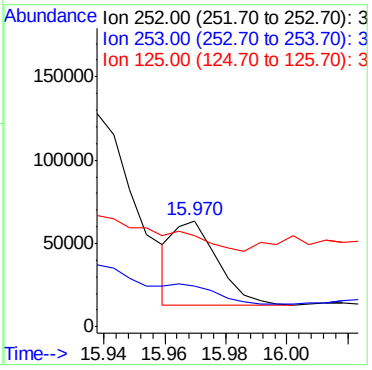


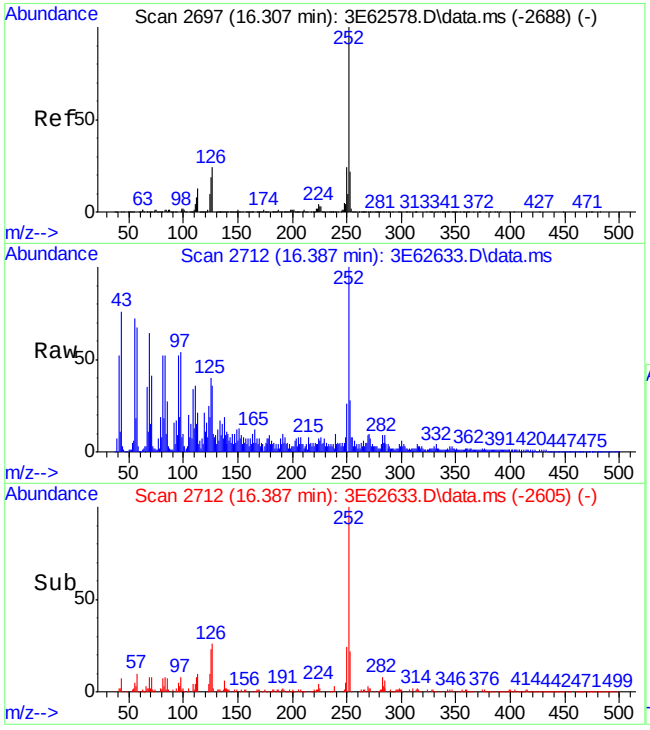


#95
Benzo[k]fluoranthene
Concen: 2.35 ppb
RT: 15.970 min Scan# 2634
Delta R.T. 0.059 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:252 Resp: 50752

Ion	Ratio	Lower	Upper
252	100		
253	15.4	0.0	52.0
125	0.0	0.0	46.2

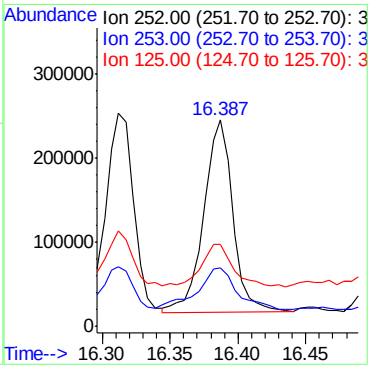


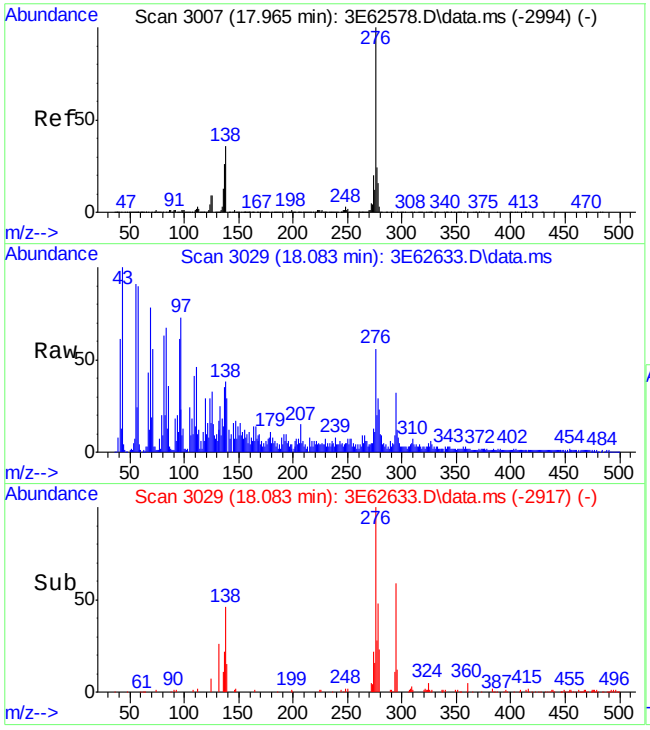


#96
Benzo[a]pyrene
Concen: 17.35 ppb
RT: 16.387 min Scan# 2712
Delta R.T. 0.070 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:252 Resp: 341573

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	51.8
125	21.5	0.0	48.8

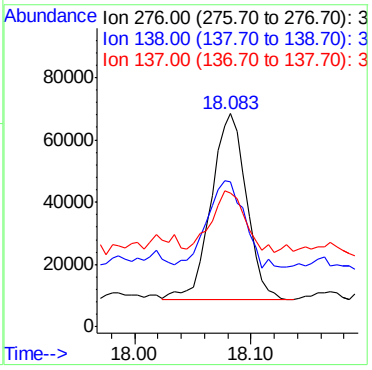


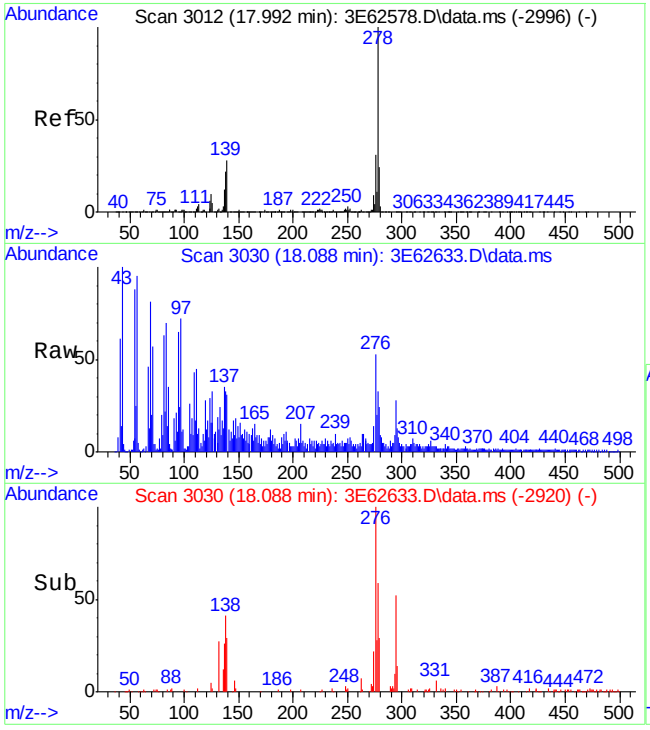


#97
Indeno[1,2,3-cd]pyrene
Concen: 5.40 ppb
RT: 18.083 min Scan# 3029
Delta R.T. 0.097 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:276 Resp: 125661

Ion	Ratio	Lower	Upper
276	100		
138	43.3	6.3	66.3
137	28.7	0.0	56.4

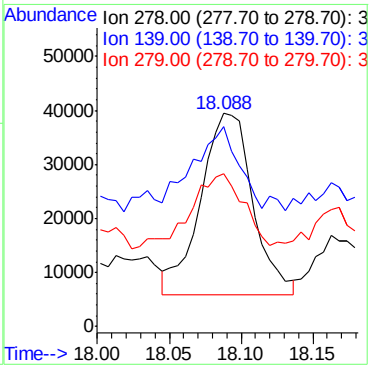


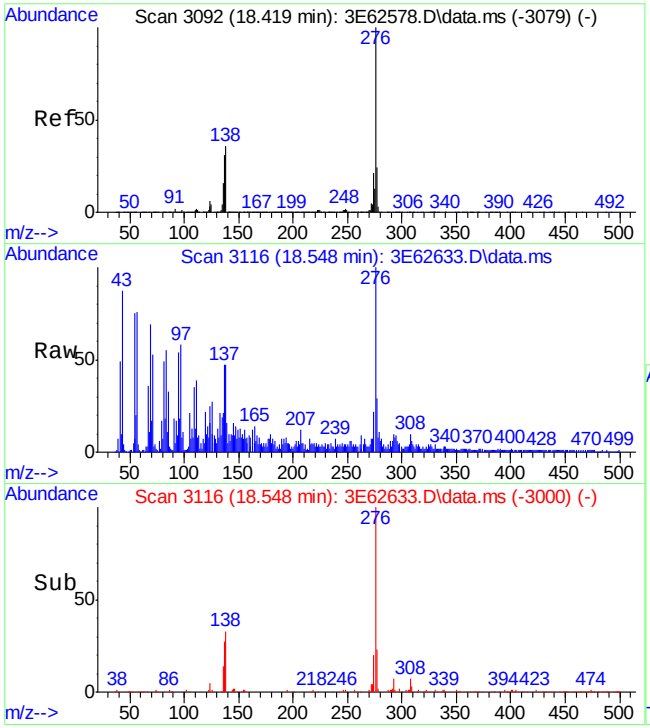


#99
Dibenz[a,h]anthracene
Concen: 4.37 ppb
RT: 18.088 min Scan# 3030
Delta R.T. 0.086 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:278 Resp: 85160

Ion	Ratio	Lower	Upper
278	100		
139	45.6	0.0	57.6
279	41.0	0.0	54.1

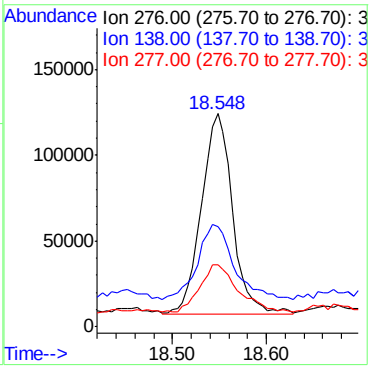




#101
Benzo[g,h,i]perylene
Concen: 14.45 ppb
RT: 18.548 min Scan# 3116
Delta R.T. 0.118 min
Lab File: 3E62633.D
Acq: 28 Jun 2014 9:13 pm

Tgt Ion:276 Resp: 268702

Ion	Ratio	Lower	Upper
276	100		
138	36.1	5.9	65.9
277	23.7	0.0	53.7



Manual Integration Approval Summary

Sample Number:	JB69534-10	**Method:**	SW846 8270D
Lab FileID:	3E62633.D	**Analyst approved:**	07/01/14 11:54 Andrew Lee Smith
Injection Time:	06/28/14 21:13	**Supervisor approved:**	07/01/14 14:16 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Fluoranthene	206-44-0		12.03	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62288.D
Acq On : 19 Jun 2014 1:26 pm
Operator : olgaa
Sample : op75766-mb1
Misc : op75766,e3e2669,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 15:11:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.802	152	250899	40.00	ppb	-0.04
24) Naphthalene-d8	5.909	136	943774	40.00	ppb	-0.04
47) Acenaphthene-d10	8.006	164	491408	40.00	ppb	-0.05
69) Phenanthrene-d10	10.193	188	757364	40.00	ppb	-0.05
83) Chrysene-d12	14.387	240	627827	40.00	ppb	-0.06
92) Perylene-d12	16.510	264	518336	40.00	ppb	-0.06
102) 1,4-Dichlorobenzene-d4a	4.802	152	250899	40.00	ppb	-0.04
104) Acenaphthene-d10a	8.006	164	491408	40.00	ppb	-0.05
106) Phenanthrene-d10a	10.193	188	757364	40.00	ppb	-0.05
108) Chrysene-d12a	14.387	240	627827	40.00	ppb	-0.06
110) Naphthalene-d8a	5.909	136	943774	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.834	112	337611	39.82	ppb	-0.03
Spiked Amount 50.000			Recovery = 79.64%			
8) Phenol-d5	4.534	99	404289	38.49	ppb	-0.03
Spiked Amount 50.000			Recovery = 76.98%			
25) Nitrobenzene-d5	5.251	82	386054	47.21	ppb	-0.04
Spiked Amount 50.000			Recovery = 94.42%			
51) 2-Fluorobiphenyl	7.118	172	707489	46.92	ppb	-0.04
Spiked Amount 50.000			Recovery = 93.84%			
73) 2,4,6-Tribromophenol	9.145	330	70954	53.52	ppb	-0.05
Spiked Amount 50.000			Recovery = 107.04%			
85) Terphenyl-d14	12.745	244	650681	49.01	ppb	-0.05
Spiked Amount 50.000			Recovery = 98.02%			

Target Compounds	Qvalue

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

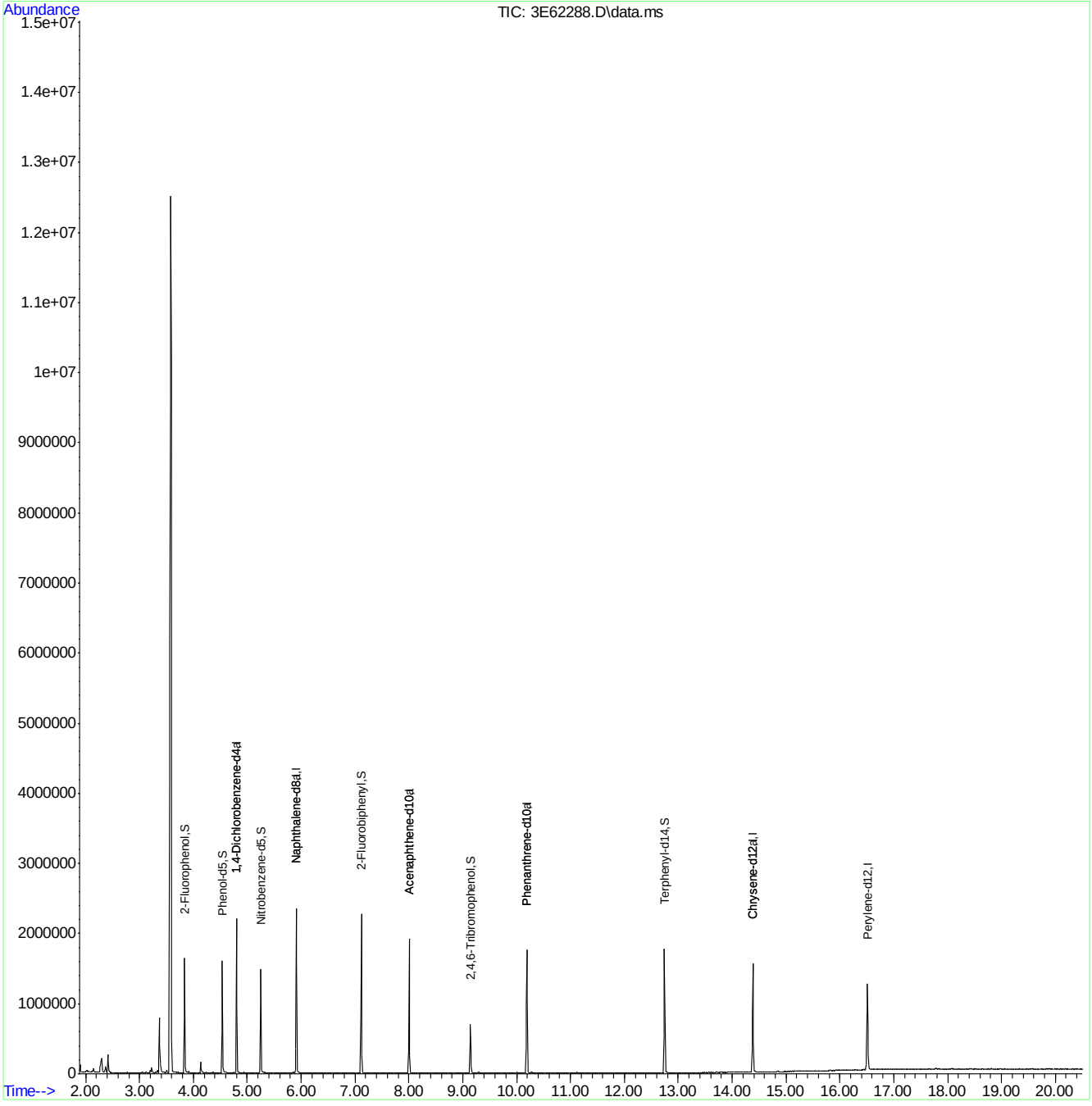
9.2.1

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62288.D
Acq On : 19 Jun 2014 1:26 pm
Operator : olgaa
Sample : op75766-mb1
Misc : op75766,e3e2669,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 15:11:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/29/14 14:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105621.D
Acq On : 26 Jun 2014 11:20 pm
Operator : ashleyd
Sample : op75872-mb1
Misc : op75872,em4324,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:50:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

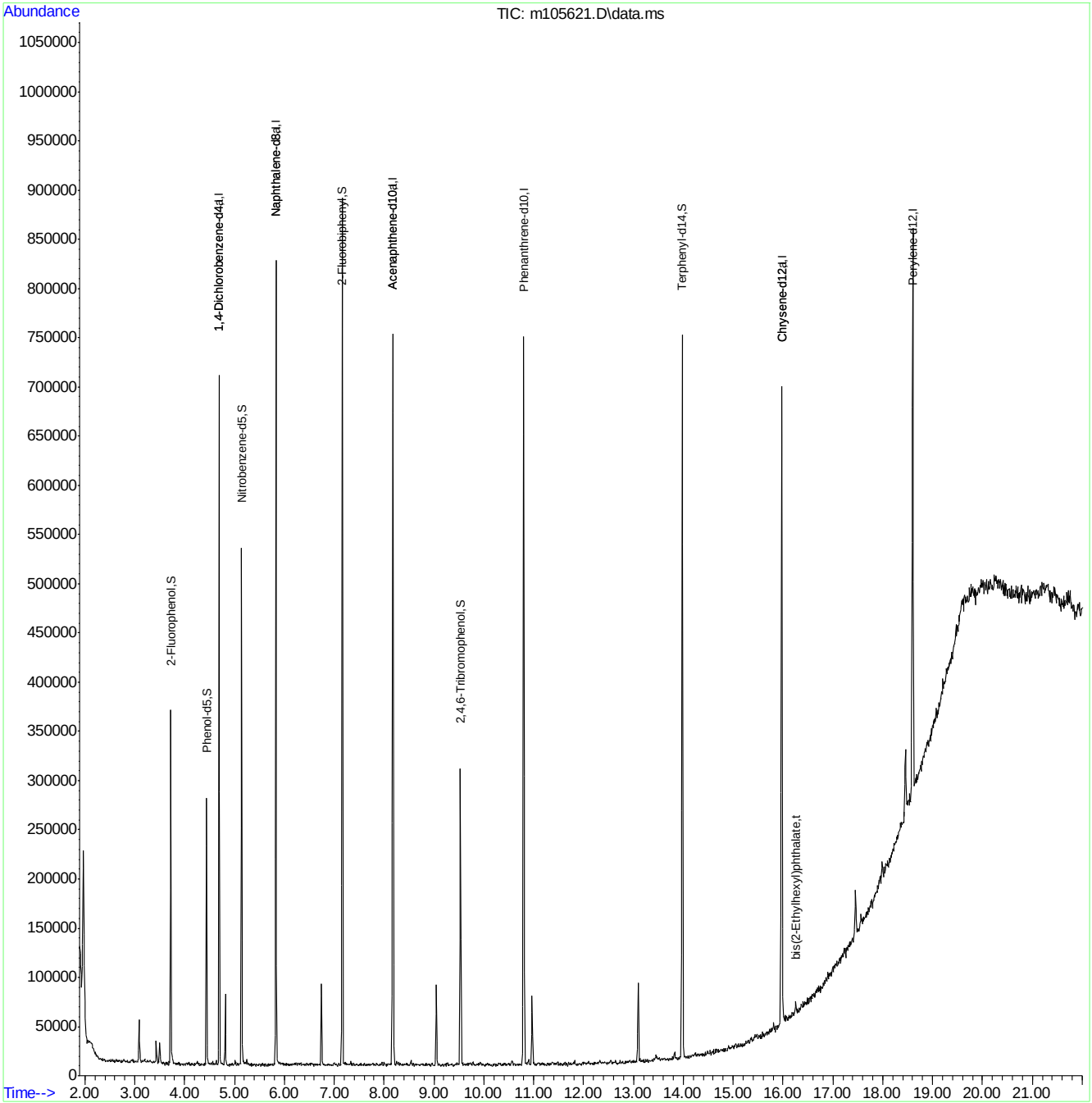
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.693	152	91783	40.00	ppb	0.00
24) Naphthalene-d8	5.830	136	352255	40.00	ppb	0.00
47) Acenaphthene-d10	8.176	164	215397	40.00	ppb	0.00
69) Phenanthrene-d10	10.799	188	374055	40.00	ppb	0.00
83) Chrysene-d12	15.975	240	325661	40.00	ppb	-0.01
92) Perylene-d12	18.603	264	281862	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.693	152	91783	40.00	ppb	0.00
104) Acenaphthene-d10a	8.176	164	215397	40.00	ppb	0.00
107) Chrysene-d12a	15.975	240	325661	40.00	ppb	-0.01
109) Naphthalene-d8a	5.830	136	352255	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.720	112	99052	30.28	ppb	0.00
Spiked Amount 50.000			Recovery = 60.56%			
8) Phenol-d5	4.441	99	86668	20.34	ppb	0.00
Spiked Amount 50.000			Recovery = 40.68%			
25) Nitrobenzene-d5	5.141	82	165301	45.27	ppb	0.00
Spiked Amount 50.000			Recovery = 90.54%			
51) 2-Fluorobiphenyl	7.161	172	314012	42.04	ppb	0.00
Spiked Amount 50.000			Recovery = 84.08%			
73) 2,4,6-Tribromophenol	9.533	330	38500	46.76	ppb	0.00
Spiked Amount 50.000			Recovery = 93.52%			
86) Terphenyl-d14	13.982	244	332941	45.62	ppb	0.00
Spiked Amount 50.000			Recovery = 91.24%			
Target Compounds						Qvalue
91) bis(2-Ethylhexyl)phtha...	16.258	149	4333m	0.71	ppb	

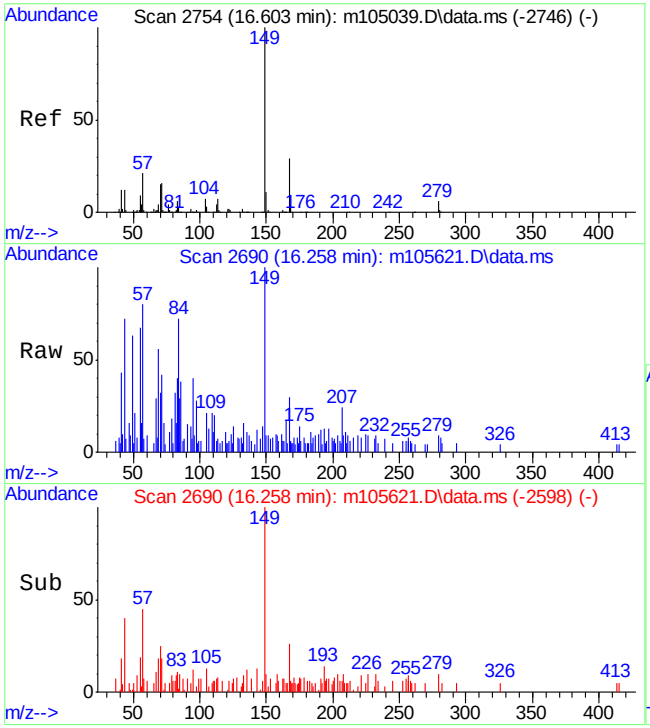
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105621.D
Acq On : 26 Jun 2014 11:20 pm
Operator : ashleyd
Sample : op75872-mb1
Misc : op75872,em4324,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:50:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

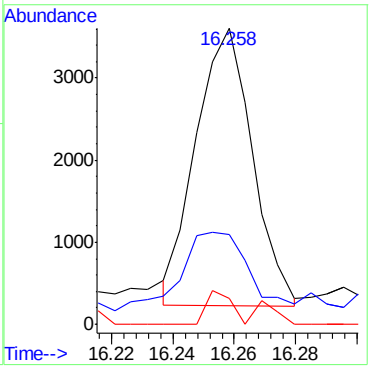




#91
bis(2-Ethylhexyl)phthalate
Concen: 0.71 ppb m
RT: 16.258 min Scan# 2690
Delta R.T. -0.006 min
Lab File: m105621.D
Acq: 26 Jun 2014 11:20 pm

Tgt Ion:149 Resp: 4333

Ion	Ratio	Lower	Upper
149	100		
167	30.5	0.0	59.4
279	8.8	0.0	36.3



Manual Integration Approval Summary

Sample Number:	OP75872-MB1	**Method:**	SW846 8270D
Lab FileID:	M105621.D	**Analyst approved:**	06/27/14 09:20 Saumil Patel
Injection Time:	06/26/14 23:20	**Supervisor approved:**	06/29/14 14:08 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
bis(2-Ethylhexyl)phthalate	117-81-7		16.26	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw 06/23/14 18:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62289.D
Acq On : 19 Jun 2014 1:54 pm
Operator : olgaa
Sample : op75766-bs1
Misc : op75766,e3e2669,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:32:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.802	152	239208	40.00	ppb		-0.04
24) Naphthalene-d8	5.914	136	899825	40.00	ppb		-0.04
47) Acenaphthene-d10	8.006	164	431387	40.00	ppb		-0.05
69) Phenanthrene-d10	10.193	188	639392	40.00	ppb		-0.05
83) Chrysene-d12	14.392	240	571903	40.00	ppb		-0.05
92) Perylene-d12	16.515	264	398412	40.00	ppb		-0.05
102) 1,4-Dichlorobenzene-d4a	4.802	152	239208	40.00	ppb		-0.04
104) Acenaphthene-d10a	8.006	164	431387	40.00	ppb		-0.05
106) Phenanthrene-d10a	10.193	188	639392	40.00	ppb		-0.05
108) Chrysene-d12a	14.392	240	571903	40.00	ppb		-0.05
110) Naphthalene-d8a	5.936	136	105547	40.00	ppb		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.834	112	294709	36.46	ppb		-0.03
Spiked Amount 50.000			Recovery = 72.92%				
8) Phenol-d5	4.540	99	365354	36.48	ppb		-0.03
Spiked Amount 50.000			Recovery = 72.96%				
25) Nitrobenzene-d5	5.251	82	340406	43.66	ppb		-0.04
Spiked Amount 50.000			Recovery = 87.32%				
51) 2-Fluorobiphenyl	7.118	172	580129	43.83	ppb		-0.04
Spiked Amount 50.000			Recovery = 87.66%				
73) 2,4,6-Tribromophenol	9.145	330	55313	49.42	ppb		-0.05
Spiked Amount 50.000			Recovery = 98.84%				
85) Terphenyl-d14	12.744	244	480983	39.77	ppb		-0.05
Spiked Amount 50.000			Recovery = 79.54%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.395	88	105734	24.52	ppb		91
3) Pyridine	2.716	79	295262	27.87	ppb		76
4) N-Nitrosodimethylamine	2.609	74	105	0.02	ppb		99
6) Indene	5.005	116	710585	44.69	ppb		98
7) Cumene	4.203	105	917393	40.95	ppb		94
9) Phenol	4.550	94	452390m	39.20	ppb		
10) Aniline	4.556	93	455433	37.06	ppb		65
11) bis(2-Chloroethyl)ether	4.599	93	339599	41.81	ppb		96
12) 2-Chlorophenol	4.652	128	356851	39.83	ppb		99
13) Decane	4.673	43	464446	47.85	ppb		86
14) 1,3-Dichlorobenzene	4.759	146	381800	39.87	ppb		99
15) 1,4-Dichlorobenzene	4.818	146	388275	40.80	ppb		99
16) Benzyl alcohol	4.914	108	235613	40.96	ppb		90
17) 1,2-Dichlorobenzene	4.941	146	368906	41.83	ppb		97
18) Acetophenone	5.123	105	545772	43.41	ppb		89
19) 2-Methylphenol	5.010	108	322712	42.22	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.010	121	132405	43.89	ppb	#	53
21) 3&4-Methylphenol	5.128	108	327072	40.37	ppb		97
22) n-Nitroso-di-n-propyla...	5.123	70	258572	46.34	ppb		87
23) Hexachloroethane	5.214	201	119097	45.72	ppb		96
26) Nitrobenzene	5.272	77	378680	43.30	ppb		97
27) Quinoline	6.283	129	708266	39.55	ppb		99
28) Isophorone	5.476	82	604106	40.32	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62289.D
Acq On : 19 Jun 2014 1:54 pm
Operator : olgaa
Sample : op75766-bs1
Misc : op75766,e3e2669,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:32:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.551	139	190071	45.11	ppb		91
30) 2,4-Dimethylphenol	5.588	107	323689	48.89	ppb		98
31) Benzoic acid	5.690	105	210697	36.21	ppb		95
32) bis(2-Chloroethoxy)met...	5.663	93	380739	42.39	ppb		98
33) 2,4-Dichlorophenol	5.781	162	256165	41.34	ppb		99
34) 2,6-Dichlorophenol	6.000	162	251252	41.78	ppb		99
36) 1,2,4-Trichlorobenzene	5.855	180	273504	40.24	ppb		97
38) Naphthalene	5.936	128	1019360	41.90	ppb		99
39) 4-Chloroaniline	5.989	127	338321	33.29	ppb		100
40) 2,3-Dichloroaniline	7.016	161	321299	38.01	ppb		99
41) Caprolactam	6.364	55	177186	43.53	ppb		94
42) Hexachlorobutadiene	6.059	225	147348	47.56	ppb		100
43) 4-Chloro-3-methylphenol	6.519	107	270670	41.19	ppb		97
44) 2-Methylnaphthalene	6.679	141	575900	40.70	ppb		97
45) 1-Methylnaphthalene	6.791	141	626771	40.53	ppb		98
46) Dimethylnaphthalene	7.449	156	616947	39.99	ppb		98
48) Hexachlorocyclopentadiene	6.872	237	236045	80.10	ppb		99
49) 2,4,6-Trichlorophenol	7.027	196	161942	47.68	ppb		98
50) 2,4,5-Trichlorophenol	7.080	196	167958	47.22	ppb		96
52) 2-Chloronaphthalene	7.273	162	542470	44.44	ppb		97
53) Biphenyl	7.246	154	836569	45.03	ppb		100
54) 2-Nitroaniline	7.407	65	193488	50.24	ppb		92
55) Dimethylphthalate	7.653	163	603446	46.64	ppb		99
56) Acenaphthylene	7.813	152	769601	38.78	ppb		98
57) 2,6-Dinitrotoluene	7.733	165	142709	47.70	ppb		100
58) 3-Nitroaniline	7.963	138	140284	39.63	ppb		98
59) Acenaphthene	8.054	153	601231	47.34	ppb		97
60) 2,4-Dinitrophenol	8.123	184	142605	97.69	ppb	#	90
61) 4-Nitrophenol	8.246	109	81440	44.88	ppb	#	79
62) Dibenzofuran	8.294	168	755711	44.62	ppb		99
63) 2,4-Dinitrotoluene	8.300	165	187019	45.58	ppb		77
64) 2,3,4,6-Tetrachlorophenol	8.487	232	121113	48.10	ppb		97
65) Diethylphthalate	8.653	149	617188	48.25	ppb		98
66) Fluorene	8.787	166	649493	46.43	ppb		100
67) 4-Chlorophenyl-phenyle...	8.797	204	272665	47.31	ppb		96
68) 4-Nitroaniline	8.840	138	149664	41.28	ppb		88
70) 4,6-Dinitro-2-methylph...	8.899	198	88214	50.30	ppb		96
71) n-Nitrosodiphenylamine	8.979	169	421723	46.53	ppb		99
72) 1,2-Diphenylhydrazine	9.033	77	675962	46.96	ppb		95
74) 4-Bromophenyl-phenylether	9.525	248	137324	46.17	ppb		94
75) Hexachlorobenzene	9.621	284	136688	43.74	ppb		90
76) Pentachlorophenol	9.931	266	81521	42.84	ppb		97
77) Phenanthrene	10.231	178	771544	42.78	ppb		99
78) Anthracene	10.306	178	787962	44.70	ppb		99
79) Carbazole	10.578	167	765087	39.12	ppb		98
80) Di-n-butylphthalate	11.188	149	992604	49.29	ppb		98
81) Fluoranthene	12.097	202	812601	44.36	ppb		96
82) Octadecane	10.118	57	529863	52.01	ppb		88
84) Pyrene	12.450	202	818769	41.90	ppb		99
86) Butylbenzylphthalate	13.568	149	443601	42.19	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62289.D
Acq On : 19 Jun 2014 1:54 pm
Operator : olgaa
Sample : op75766-bs1
Misc : op75766,e3e2669,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:32:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

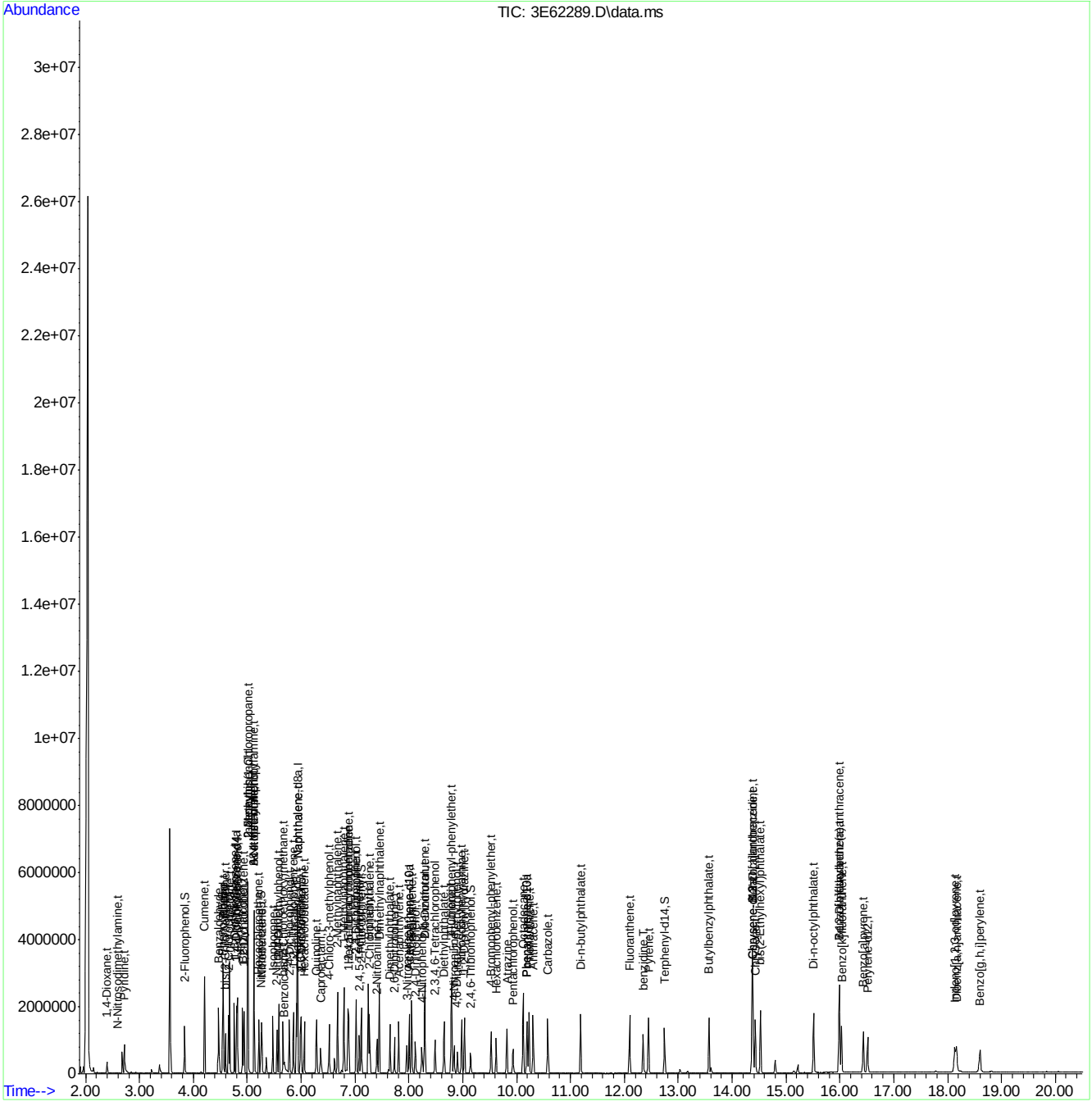
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.376	228	744751	42.12	ppb	98
89) 3,3'-Dichlorobenzidine	14.376	252	472851	76.18	ppb	98
90) Chrysene	14.429	228	646146	44.45	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.526	149	581118	49.51	ppb	98
93) Di-n-octylphthalate	15.515	149	1010540	51.48	ppb	95
94) Benzo[b]fluoranthene	15.991	252	678534	50.42	ppb	97
95) Benzo[k]fluoranthene	16.034	252	577447	47.70	ppb	97
96) Benzo[a]pyrene	16.435	252	535258	48.39	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.136	276	469748m	41.54	ppb	
99) Dibenz[a,h]anthracene	18.168	278	451414	41.49	ppb	95
100) 7,12-Dimethylbenz(a)an...	15.991	256	363122	49.61	ppb	98
101) Benzo[g,h,i]perylene	18.601	276	447003	40.82	ppb	92
103) Benzaldehyde	4.470	105	303469	47.48	ppb	91
105) 1,2,4,5-Tetrachloroben...	6.882	216	239591	45.76	ppb	99
107) Atrazine	9.824	215	88161	52.84	ppb	92
109) benzidine	12.349	184	518533	49.31	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62289.D
Acq On : 19 Jun 2014 1:54 pm
Operator : olgaa
Sample : op75766-bs1
Misc : op75766,e3e2669,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:32:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration



M3E2646.M Fri Jun 20 15:33:06 2014 MS3E Page: 4

Manual Integration Approval Summary

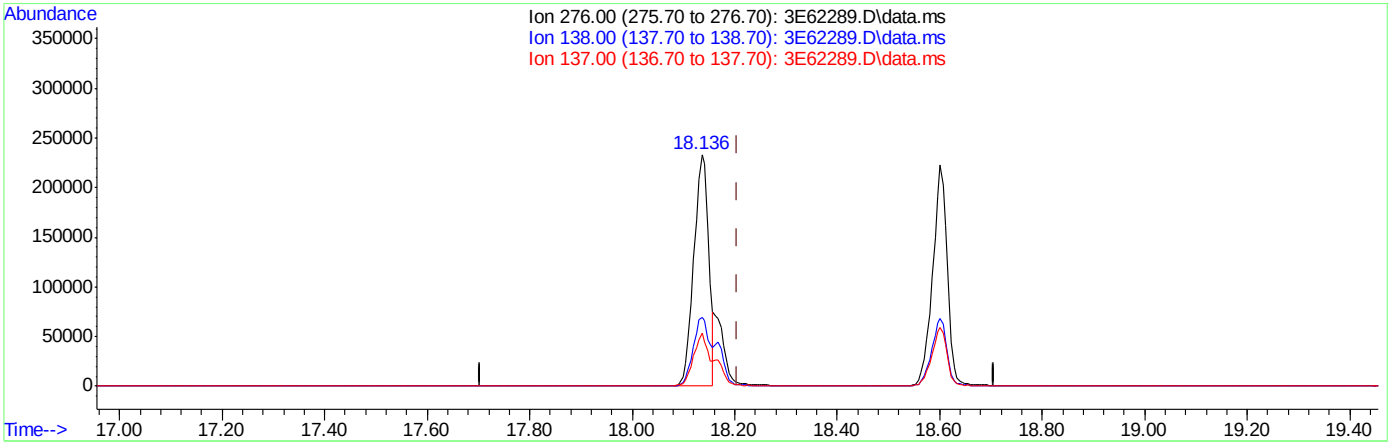
Sample Number: OP75766-BS1
Lab FileID: 3E62289.D
Injection Time: 06/19/14 13:54
Method: SW846 8270D
Analyst approved: 06/20/14 15:34 Olga Azarihn
Supervisor approved: 06/23/14 18:37 Jennifer Laidlaw

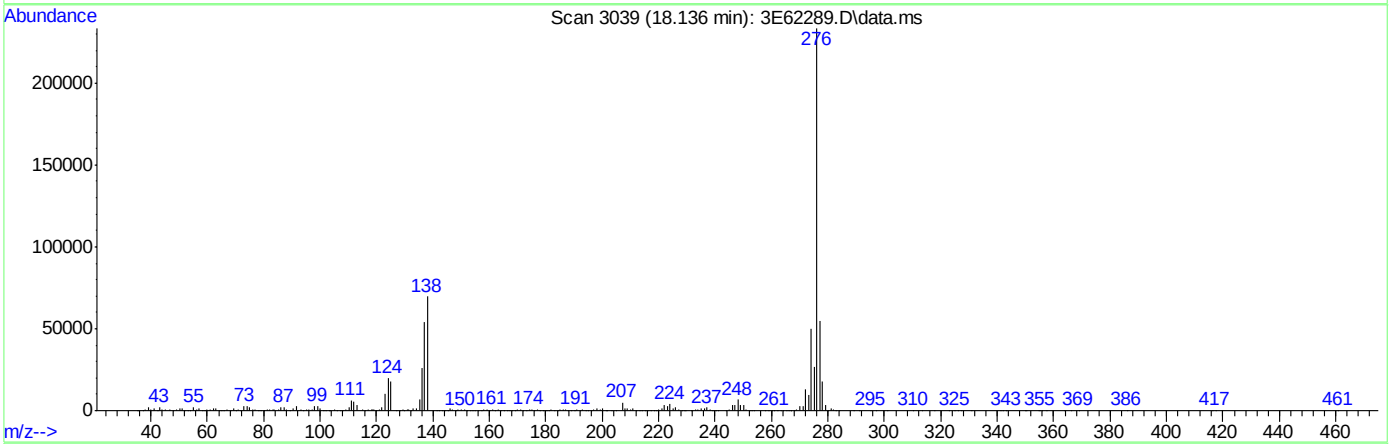
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		4.55	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.14	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62289.D
Acq On : 19 Jun 2014 1:54 pm
Operator : olgaa
Sample : op75766-bs1
Misc : op75766,e3e2669,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 16:47:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration





TIC: 3E62289.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.136min (-0.070) 41.54ppb m

response 469748

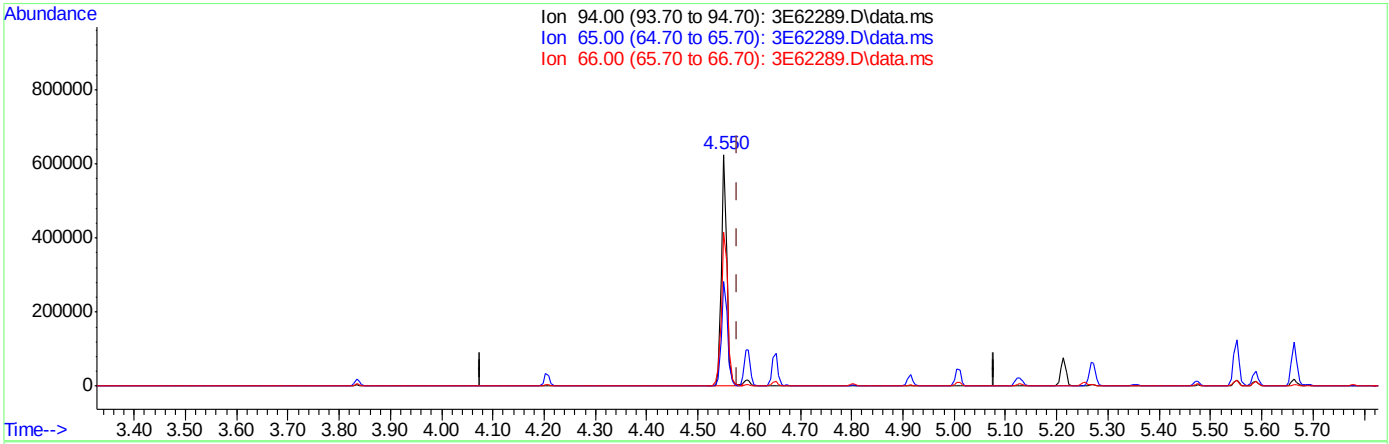
Ion	Exp%	Act%
276.00	100	100
138.00	28.80	29.81
137.00	22.10	23.09
0.00	0.00	0.00

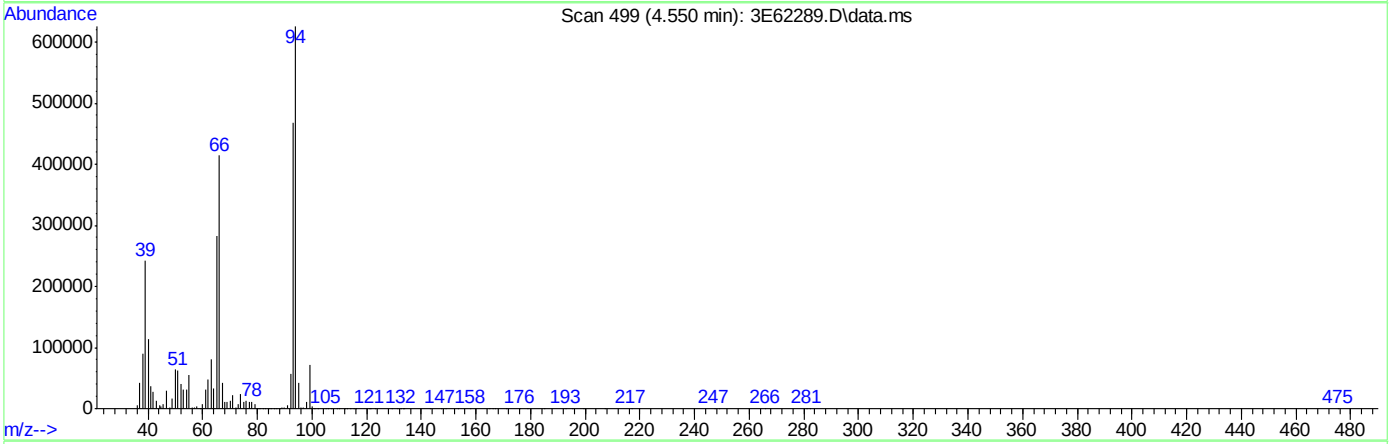
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62289.D
Acq On : 19 Jun 2014 1:54 pm
Operator : olgaa
Sample : op75766-bs1
Misc : op75766,e3e2669,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:13:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration





TIC: 3E62289.D\data.ms

(9) Phenol (t)

4.550min (-0.027) 39.20ppb m

response 452390

Ion	Exp%	Act%
94.00	100	100
65.00	26.50	45.18
66.00	32.80	66.27#
0.00	0.00	0.00

9.3.13
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105622.D
Acq On : 26 Jun 2014 11:49 pm
Operator : ashleyd
Sample : op75872-bs1
Misc : op75872,em4324,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:55:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.692	152	64286	40.00	ppb		0.00
24) Naphthalene-d8	5.830	136	242148	40.00	ppb		0.00
47) Acenaphthene-d10	8.175	164	152812	40.00	ppb		0.00
69) Phenanthrene-d10	10.793	188	259358	40.00	ppb		-0.01
83) Chrysene-d12	15.975	240	219073	40.00	ppb		-0.01
92) Perylene-d12	18.598	264	184850	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	4.692	152	64286	40.00	ppb		0.00
104) Acenaphthene-d10a	8.175	164	152812	40.00	ppb		0.00
107) Chrysene-d12a	15.975	240	219073	40.00	ppb		-0.01
109) Naphthalene-d8a	5.830	136	242148	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.720	112	71980	31.42	ppb		0.00
Spiked Amount 50.000			Recovery = 62.84%				
8) Phenol-d5	4.441	99	68911	23.09	ppb		0.00
Spiked Amount 50.000			Recovery = 46.18%				
25) Nitrobenzene-d5	5.141	82	115990	46.21	ppb		0.00
Spiked Amount 50.000			Recovery = 92.42%				
51) 2-Fluorobiphenyl	7.160	172	223185	42.12	ppb		0.00
Spiked Amount 50.000			Recovery = 84.24%				
73) 2,4,6-Tribromophenol	9.532	330	26644	46.68	ppb		0.00
Spiked Amount 50.000			Recovery = 93.36%				
86) Terphenyl-d14	13.977	244	233081	47.48	ppb		0.00
Spiked Amount 50.000			Recovery = 94.96%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.224	88	35178	30.36	ppb		98
3) Pyridine	2.550	79	89761	31.23	ppb		96
4) N-Nitrosodimethylamine	2.518	42	30743	29.58	ppb		92
6) Indene	4.895	116	208447	49.17	ppb		100
7) Cumene	4.088	105	250362	41.24	ppb		99
9) Phenol	4.446	94	81716	24.20	ppb	#	49
10) Aniline	4.441	93	106621	27.19	ppb		87
11) bis(2-Chloroethyl)ether	4.484	93	109335	46.84	ppb		98
12) 2-Chlorophenol	4.537	128	105799	41.95	ppb		95
13) Decane	4.564	43	65128	34.64	ppb		92
14) 1,3-Dichlorobenzene	4.649	146	95176	36.18	ppb		96
15) 1,4-Dichlorobenzene	4.703	146	98238	35.92	ppb		97
16) Benzyl alcohol	4.804	108	76909	44.85	ppb		95
17) 1,2-Dichlorobenzene	4.825	146	95739	37.77	ppb		97
18) Acetophenone	5.012	105	180899	50.82	ppb		98
19) 2-Methylphenol	4.906	108	97515	43.25	ppb		95
20) 2,2'-oxybis(1-Chloropr...	4.906	121	34097	45.96	ppb	#	84
21) 3&4-Methylphenol	5.034	108	96459	40.22	ppb	#	81
22) n-Nitroso-di-n-propyla...	5.012	70	80555	46.60	ppb		96
23) Hexachloroethane	5.103	201	32553	34.94	ppb		95
26) Nitrobenzene	5.157	77	124871	44.14	ppb		96
27) Quinoline	6.220	129	259274	50.67	ppb		100
28) Isophorone	5.370	82	211620	43.32	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105622.D
Acq On : 26 Jun 2014 11:49 pm
Operator : ashleyd
Sample : op75872-bs1
Misc : op75872,em4324,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:55:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.451	139	57236	44.79	ppb	97
30) 2,4-Dimethylphenol	5.499	107	108413	42.73	ppb	99
31) Benzoic acid	5.595	105	47200	28.19	ppb	94
32) bis(2-Chloroethoxy)met...	5.573	93	133287	47.93	ppb	99
33) 2,4-Dichlorophenol	5.696	162	89169	46.73	ppb	95
34) 2,6-Dichlorophenol	5.926	162	88824	46.07	ppb	97
36) 1,2,4-Trichlorobenzene	5.771	180	81700	36.24	ppb	99
38) Naphthalene	5.851	128	291173	39.11	ppb	99
39) 4-Chloroaniline	5.910	127	90678	27.83	ppb	97
40) 2,3-Dichloroaniline	7.043	161	121448	49.05	ppb	96
41) Caprolactam	6.284	55	16533	16.64	ppb	95
42) Hexachlorobutadiene	5.990	225	40775	31.50	ppb	96
43) 4-Chloro-3-methylphenol	6.492	107	97478	44.07	ppb	98
44) 2-Methylnaphthalene	6.663	141	177843	43.32	ppb	97
45) 1-Methylnaphthalene	6.786	142	229272	48.58	ppb	99
46) Dimethylnaphthalene	7.534	156	206719	48.56	ppb	99
48) Hexachlorocyclopentadiene	6.877	237	82491	63.46	ppb	100
49) 2,4,6-Trichlorophenol	7.053	196	66516	44.89	ppb	98
50) 2,4,5-Trichlorophenol	7.112	196	71663	44.63	ppb	98
52) 2-Chloronaphthalene	7.326	162	183297	36.86	ppb	99
53) Biphenyl	7.304	154	296113	47.34	ppb	99
54) 2-Nitroaniline	7.486	65	65966	48.52	ppb	96
55) Dimethylphthalate	7.780	163	236515	44.91	ppb	99
56) Acenaphthylene	7.945	152	272373	35.82	ppb	99
57) 2,6-Dinitrotoluene	7.865	165	55775	49.06	ppb	99
58) 3-Nitroaniline	8.127	138	44215	33.09	ppb	100
59) Acenaphthene	8.228	153	198856	42.16	ppb	94
60) 2,4-Dinitrophenol	8.314	184	70227	100.25	ppb	92
61) 4-Nitrophenol	8.490	109	20549	28.78	ppb	89
62) Dibenzofuran	8.517	168	300568	43.38	ppb	98
63) 2,4-Dinitrotoluene	8.528	165	75315	48.43	ppb	76
64) 2,3,4,6-Tetrachlorophenol	8.752	232	52367	42.64	ppb	99
65) Diethylphthalate	8.976	149	231857	45.24	ppb	98
66) Fluorene	9.099	166	238396	44.28	ppb	99
67) 4-Chlorophenyl-phenyle...	9.131	204	109809	42.05	ppb	99
68) 4-Nitroaniline	9.169	138	65119	47.13	ppb	88
70) 4,6-Dinitro-2-methylph...	9.243	198	44061	47.10	ppb	95
71) n-Nitrosodiphenylamine	9.350	169	165034	46.37	ppb	99
72) 1,2-Diphenylhydrazine	9.409	77	256695	44.59	ppb	99
74) 4-Bromophenyl-phenylether	10.007	248	57812	42.96	ppb	97
75) Hexachlorobenzene	10.104	284	57034	38.77	ppb	97
76) Pentachlorophenol	10.488	266	34955	39.08	ppb	97
77) Phenanthrene	10.835	178	340063	43.18	ppb	98
78) Anthracene	10.932	178	349856	44.65	ppb	99
79) Carbazole	11.284	167	350455	47.11	ppb	99
80) Di-n-butylphthalate	12.085	149	405249	49.32	ppb	100
81) Fluoranthene	13.133	202	383278	46.08	ppb	99
82) Octadecane	10.787	57	139783	53.42	ppb	97
84) Pyrene	13.560	202	393117	52.01	ppb	99
87) Butylbenzylphthalate	15.029	149	172348	56.49	ppb	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105622.D
Acq On : 26 Jun 2014 11:49 pm
Operator : ashleyd
Sample : op75872-bs1
Misc : op75872,em4324,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:55:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

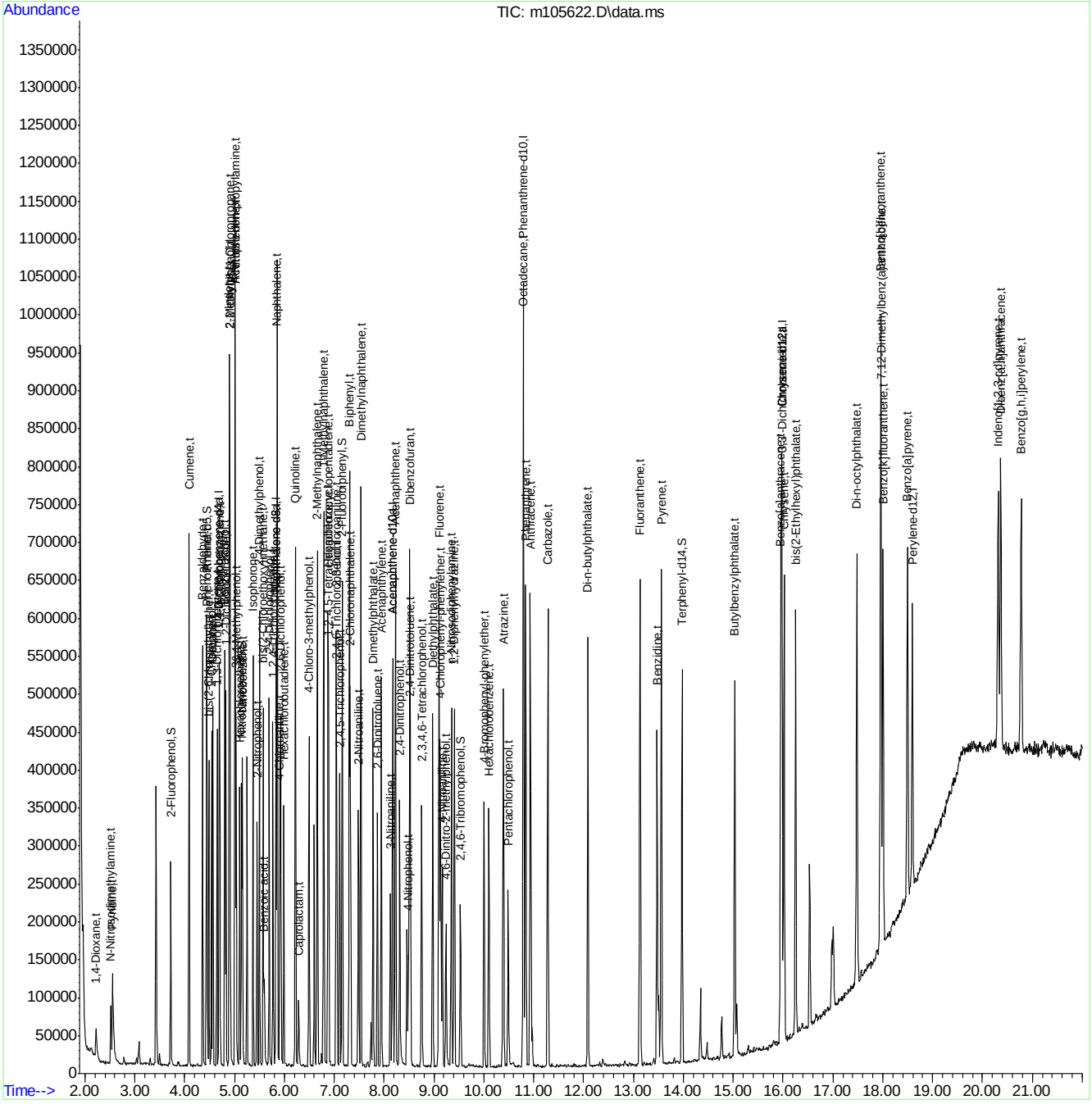
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	15.953	228	308297	45.33	ppb	99
89) 3,3'-Dichlorobenzidine	15.980	252	104875	46.30	ppb	97
90) Chrysene	16.023	228	304418	47.16	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.252	149	240012	58.84	ppb	99
93) Di-n-octylphthalate	17.481	149	413348	54.16	ppb	99
94) Benzo[b]fluoranthene	17.956	252	285832	43.60	ppb	95
95) Benzo[k]fluoranthene	18.005	252	270133	41.73	ppb	95
96) Benzo[a]pyrene	18.496	252	249711	43.49	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.318	276	234696	45.72	ppb	98
99) Dibenz[a,h]anthracene	20.366	278	250801	46.63	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.967	256	140717	47.22	ppb	96
101) Benzo[g,h,i]perylene	20.777	276	240632	46.38	ppb	99
103) Benzaldehyde	4.361	105	101785	57.76	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.888	216	83100	35.83	ppb	98
106) Atrazine	10.392	215	42499	57.07	ppb	97
108) Benzidine	13.474	184	245631	74.23	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105622.D
Acq On : 26 Jun 2014 11:49 pm
Operator : ashleyd
Sample : op75872-bs1
Misc : op75872,em4324,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:55:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105623.D
Acq On : 27 Jun 2014 12:18 am
Operator : ashleyd
Sample : op75872-bs13
Misc : op75872,em4324,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 08:56:46 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

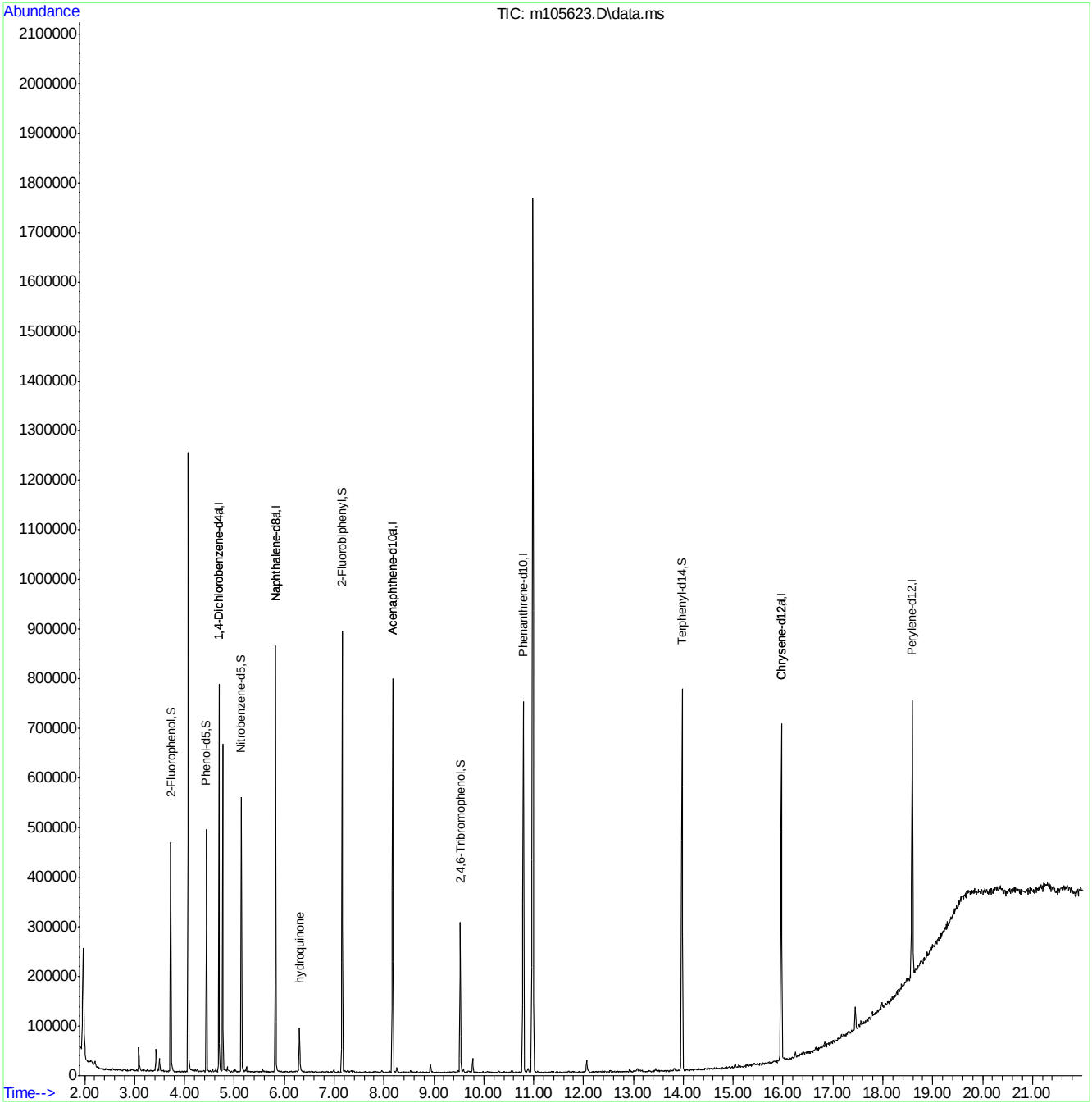
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.690	152	97839	40.00	ppb	0.00
24) Naphthalene-d8	5.828	136	368133	40.00	ppb	0.00
47) Acenaphthene-d10	8.173	164	225836	40.00	ppb	0.00
69) Phenanthrene-d10	10.791	188	387570	40.00	ppb	-0.01
83) Chrysene-d12	15.968	240	335863	40.00	ppb	-0.02
92) Perylene-d12	18.590	264	280324	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.690	152	97839	40.00	ppb	0.00
104) Acenaphthene-d10a	8.173	164	225836	40.00	ppb	0.00
107) Chrysene-d12a	15.968	240	335863	40.00	ppb	-0.02
109) Naphthalene-d8a	5.828	136	368133	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.723	112	132157	37.90	ppb	0.00
Spiked Amount 50.000			Recovery =	75.80%		
8) Phenol-d5	4.439	99	140532	30.94	ppb	0.00
Spiked Amount 50.000			Recovery =	61.88%		
25) Nitrobenzene-d5	5.139	82	172594	45.23	ppb	0.00
Spiked Amount 50.000			Recovery =	90.46%		
51) 2-Fluorobiphenyl	7.158	172	325887	41.62	ppb	0.00
Spiked Amount 50.000			Recovery =	83.24%		
73) 2,4,6-Tribromophenol	9.530	330	41350	48.47	ppb	0.00
Spiked Amount 50.000			Recovery =	96.94%		
86) Terphenyl-d14	13.975	244	353233	46.93	ppb	0.00
Spiked Amount 50.000			Recovery =	93.86%		
Target Compounds						Qvalue
110) hydroquinone	6.304	110	39401	10.54	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105623.D
Acq On : 27 Jun 2014 12:18 am
Operator : ashleyd
Sample : op75872-bs13
Misc : op75872,em4324,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 08:56:46 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/07/14 18:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62613.D
Acq On : 28 Jun 2014 12:01 am
Operator : kristis
Sample : op75766-ms
Misc : op75766,e3e2682,33.5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 14:49:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	295133	40.00	ppb		0.00
24) Naphthalene-d8	5.813	136	1074432	40.00	ppb		0.00
47) Acenaphthene-d10	7.893	164	566957	40.00	ppb		0.01
69) Phenanthrene-d10	10.075	188	810902	40.00	ppb		0.01
83) Chrysene-d12	14.279	240	677337	40.00	ppb		0.02
92) Perylene-d12	16.408	264	589989	40.00	ppb		0.03
102) 1,4-Dichlorobenzene-d4a	4.716	152	295133	40.00	ppb		0.00
104) Acenaphthene-d10a	7.893	164	566957	40.00	ppb		0.01
106) Phenanthrene-d10a	10.075	188	810902	40.00	ppb		0.01
110) Chrysene-d12a	14.279	240	677337	40.00	ppb		0.02
112) Naphthalene-d8a	5.813	136	1074432	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.764	112	355941	37.15	ppb		0.01
Spiked Amount 50.000			Recovery = 74.30%				
8) Phenol-d5	4.481	99	419610	35.13	ppb		0.01
Spiked Amount 50.000			Recovery = 70.26%				
25) Nitrobenzene-d5	5.165	82	359841	37.05	ppb		0.00
Spiked Amount 50.000			Recovery = 74.10%				
51) 2-Fluorobiphenyl	7.005	172	744605	39.04	ppb		0.00
Spiked Amount 50.000			Recovery = 78.08%				
73) 2,4,6-Tribromophenol	9.032	330	71072	39.37	ppb		0.01
Spiked Amount 50.000			Recovery = 78.74%				
85) Terphenyl-d14	12.627	244	619435	41.08	ppb		0.01
Spiked Amount 50.000			Recovery = 82.16%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.293	88	101183	28.16	ppb		94
3) Pyridine	2.625	79	281305	31.98	ppb		95
4) N-Nitrosodimethylamine	2.587	74	181422	36.63	ppb		95
6) Indene	4.919	116	832735	43.66	ppb		97
7) Cumene	4.122	105	1074371	41.66	ppb		99
9) Phenol	4.491	94	497705	36.64	ppb	#	60
10) Aniline	4.475	93	228374	16.09	ppb		71
11) bis(2-Chloroethyl)ether	4.513	93	366586	41.68	ppb		97
12) 2-Chlorophenol	4.572	128	459633	40.06	ppb		97
13) Decane	4.588	43	288019	37.58	ppb		97
14) 1,3-Dichlorobenzene	4.679	146	495192	38.58	ppb		99
15) 1,4-Dichlorobenzene	4.732	146	504149	39.19	ppb		98
16) Benzyl alcohol	4.834	108	280533	39.79	ppb		94
17) 1,2-Dichlorobenzene	4.850	146	477218	39.17	ppb		99
18) Acetophenone	5.037	105	630988	42.19	ppb		99
19) 2-Methylphenol	4.941	108	367518	39.65	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.925	121	157315	40.38	ppb	#	74
21) 3&4-Methylphenol	5.064	108	377270	38.36	ppb		98
22) n-Nitroso-di-n-propyla...	5.037	70	252799	38.91	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62613.D
Acq On : 28 Jun 2014 12:01 am
Operator : kristis
Sample : op75766-ms
Misc : op75766,e3e2682,33.5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 14:49:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	132695	33.82	ppb		90
26) Nitrobenzene	5.181	77	386808	38.69	ppb		99
27) Quinoline	6.182	129	907923	42.51	ppb		99
28) Isophorone	5.385	82	646315	37.85	ppb		99
29) 2-Nitrophenol	5.460	139	225386	36.68	ppb		86
30) 2,4-Dimethylphenol	5.508	107	383428	43.29	ppb		100
31) Benzoic acid	5.631	105	218745	29.40	ppb		100
32) bis(2-Chloroethoxy)met...	5.572	93	413331	43.00	ppb		99
33) 2,4-Dichlorophenol	5.700	162	339564	40.14	ppb		99
34) 2,6-Dichlorophenol	5.904	162	334026	39.30	ppb		98
36) 1,2,4-Trichlorobenzene	5.759	180	352179	39.81	ppb		99
38) Naphthalene	5.834	128	1252036	40.41	ppb		99
39) 4-Chloroaniline	5.893	127	168559	13.15	ppb		97
40) 2,3-Dichloroaniline	6.914	161	369797	35.15	ppb		99
41) Caprolactam	6.278	55	119609	39.01	ppb		95
42) Hexachlorobutadiene	5.952	225	178816	39.06	ppb		96
43) 4-Chloro-3-methylphenol	6.438	107	334563m	37.45	ppb		
44) 2-Methylnaphthalene	6.572	141	721534	39.30	ppb		100
45) 1-Methylnaphthalene	6.684	141	793575	42.09	ppb		99
46) Dimethylnaphthalene	7.337	156	787963	42.16	ppb		97
48) Hexachlorocyclopentadiene	6.754	237	71414	30.28	ppb		99
49) 2,4,6-Trichlorophenol	6.925	196	209320	40.74	ppb		95
50) 2,4,5-Trichlorophenol	6.989	196	213340	39.75	ppb		98
52) 2-Chloronaphthalene	7.160	162	709173	39.92	ppb		99
53) Biphenyl	7.134	154	1082392	45.07	ppb		99
54) 2-Nitroaniline	7.310	65	186344	37.93	ppb		92
55) Dimethylphthalate	7.540	163	807455	41.98	ppb		99
56) Acenaphthylene	7.695	152	998711	34.81	ppb		99
57) 2,6-Dinitrotoluene	7.631	165	182585	37.43	ppb		99
58) 3-Nitroaniline	7.861	138	140365	25.77	ppb		97
59) Acenaphthene	7.936	153	779110	42.55	ppb		99
60) 2,4-Dinitrophenol	8.038	184	36630	14.32	ppb		77
61) 4-Nitrophenol	8.182	109	90978	39.12	ppb	#	1
62) Dibenzofuran	8.177	168	991585	40.09	ppb		96
63) 2,4-Dinitrotoluene	8.203	165	229579	35.45	ppb		100
64) 2,3,4,6-Tetrachlorophenol	8.385	232	150924	37.48	ppb		99
65) Diethylphthalate	8.540	149	790254	40.89	ppb		99
66) Fluorene	8.669	166	818218	40.80	ppb		99
67) 4-Chlorophenyl-phenyle...	8.679	204	355310	41.05	ppb		97
68) 4-Nitroaniline	8.738	138	182165	33.89	ppb		97
70) 4,6-Dinitro-2-methylph...	8.808	198	33400	10.75	ppb	#	77
71) n-Nitrosodiphenylamine	8.861	169	564384	44.46	ppb		99
72) 1,2-Diphenylhydrazine	8.915	77	677234	42.19	ppb		97
74) 4-Bromophenyl-phenylether	9.407	248	182600	43.32	ppb		96
75) Hexachlorobenzene	9.508	284	172447	39.42	ppb		99
76) Pentachlorophenol	9.829	266	88800	36.66	ppb		99
77) Phenanthrene	10.113	178	1115428	43.66	ppb		99
78) Anthracene	10.193	178	1100046	42.38	ppb		99
79) Carbazole	10.471	167	1013300	40.71	ppb		99
80) Di-n-butylphthalate	11.070	149	1272210	44.08	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62613.D
Acq On : 28 Jun 2014 12:01 am
Operator : kristis
Sample : op75766-ms
Misc : op75766,e3e2682,33.5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 14:49:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration

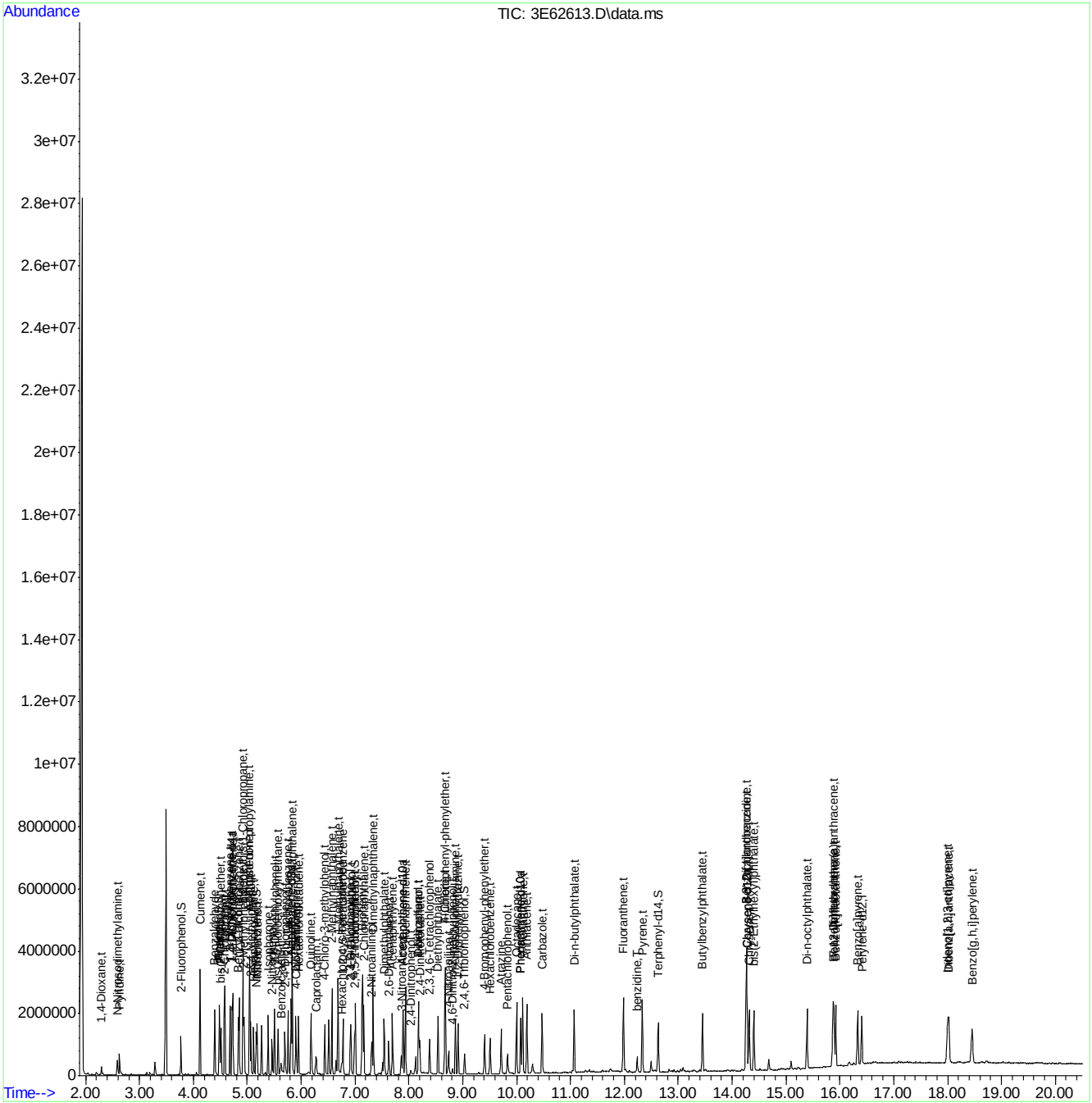
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
81) Fluoranthene	11.985	202	1173909	45.99	ppb		99
82) Octadecane	10.001	57	393401	46.43	ppb		97
84) Pyrene	12.333	202	1176301	48.95	ppb		98
86) Butylbenzylphthalate	13.450	149	542386	46.62	ppb		98
88) Benzo[a]anthracene	14.263	228	929826	43.50	ppb		99
89) 3,3'-Dichlorobenzidine	14.263	252	489380	65.31	ppb		99
90) Chrysene	14.322	228	870784	44.88	ppb		99
91) bis(2-Ethylhexyl)phtha...	14.408	149	741492	44.82	ppb		98
93) Di-n-octylphthalate	15.392	149	1226584	42.58	ppb		99
94) Benzo[b]fluoranthene	15.889	252	874224	41.67	ppb		99
95) Benzo[k]fluoranthene	15.927	252	784365	39.28	ppb		99
96) Benzo[a]pyrene	16.333	252	747662	41.10	ppb		99
97) Indeno[1,2,3-cd]pyrene	18.002	276	874668	40.71	ppb		99
99) Dibenz[a,h]anthracene	18.024	278	724841	40.26	ppb		99
100) 7,12-Dimethylbenz(a)an...	15.873	256	402853	39.07	ppb		97
101) Benzo[g,h,i]perylene	18.457	276	718793	41.86	ppb		97
103) Benzaldehyde	4.395	105	361271	45.81	ppb		92
105) 1,2,4,5-Tetrachloroben...	6.775	216	298113	43.32	ppb		97
107) Atrazine	9.717	215	112291	53.07	ppb	#	77
111) benzidine	12.236	184	300035	24.09	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62613.D
Acq On : 28 Jun 2014 12:01 am
Operator : kristis
Sample : op75766-ms
Misc : op75766,e3e2682,33.5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 14:49:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

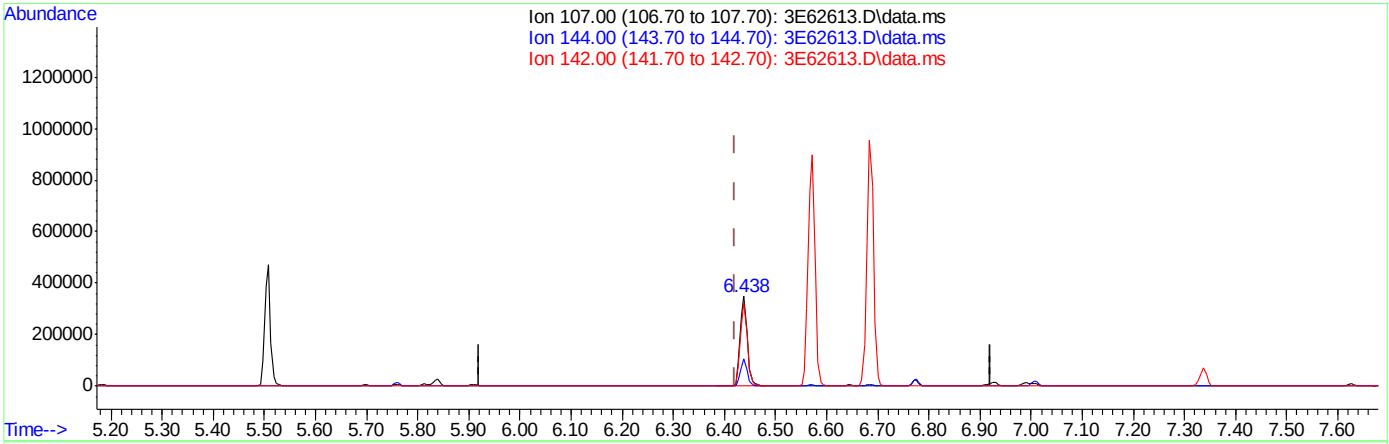
Sample Number:	OP75766-MS	**Method:**	SW846 8270D
Lab FileID:	3E62613.D	**Analyst approved:**	07/01/14 14:51 Andrew Lee Smith
Injection Time:	06/28/14 00:01	**Supervisor approved:**	07/07/14 18:15 Cheng-Hwan Ao

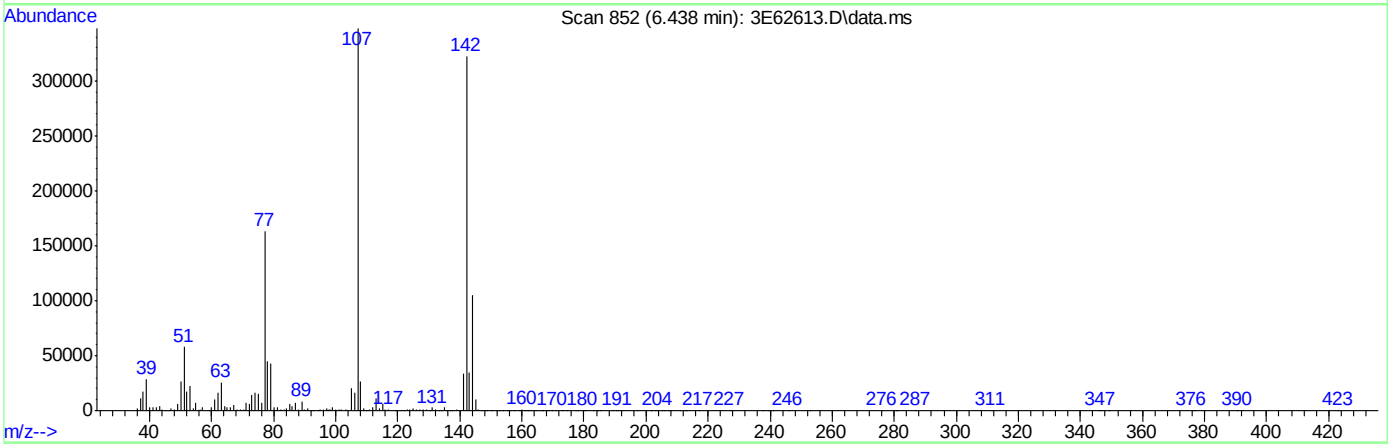
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.44	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62613.D
Acq On : 28 Jun 2014 12:01 am
Operator : kristis
Sample : op75766-ms
Misc : op75766,e3e2682,33.5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 28 13:57:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration





TIC: 3E62613.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.438min (+0.016) 37.45ppb m

response 334563

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	30.09
142.00	0.00	92.80#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/07/14 18:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62614.D
Acq On : 28 Jun 2014 12:28 am
Operator : kristis
Sample : op75766-msd
Misc : op75766,e3e2682,31.0
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 14:53:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	274871	40.00	ppb		0.00
24) Naphthalene-d8	5.813	136	983039	40.00	ppb		0.00
47) Acenaphthene-d10	7.888	164	518230	40.00	ppb		0.00
69) Phenanthrene-d10	10.075	188	743394	40.00	ppb		0.01
83) Chrysene-d12	14.279	240	636124	40.00	ppb		0.02
92) Perylene-d12	16.408	264	544072	40.00	ppb		0.03
102) 1,4-Dichlorobenzene-d4a	4.716	152	274871	40.00	ppb		0.00
104) Acenaphthene-d10a	7.888	164	518230	40.00	ppb		0.00
106) Phenanthrene-d10a	10.075	188	743394	40.00	ppb		0.01
110) Chrysene-d12a	14.279	240	636124	40.00	ppb		0.02
112) Naphthalene-d8a	5.813	136	983039	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.764	112	345184	38.69	ppb		0.01
Spiked Amount 50.000			Recovery = 77.38%				
8) Phenol-d5	4.481	99	404586	36.36	ppb		0.01
Spiked Amount 50.000			Recovery = 72.72%				
25) Nitrobenzene-d5	5.165	82	345893	38.93	ppb		0.00
Spiked Amount 50.000			Recovery = 77.86%				
51) 2-Fluorobiphenyl	7.005	172	717698	41.17	ppb		0.00
Spiked Amount 50.000			Recovery = 82.34%				
73) 2,4,6-Tribromophenol	9.032	330	71926	43.47	ppb		0.01
Spiked Amount 50.000			Recovery = 86.94%				
85) Terphenyl-d14	12.627	244	625128	44.14	ppb		0.01
Spiked Amount 50.000			Recovery = 88.28%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.293	88	102417	30.61	ppb		94
3) Pyridine	2.619	79	288637	35.23	ppb		96
4) N-Nitrosodimethylamine	2.582	74	174340	37.79	ppb		89
6) Indene	4.919	116	802955	45.20	ppb		98
7) Cumene	4.122	105	1045712	43.54	ppb		99
9) Phenol	4.486	94	484787	38.32	ppb	#	65
10) Aniline	4.475	93	217996	16.49	ppb		70
11) bis(2-Chloroethyl)ether	4.513	93	356356	43.51	ppb		99
12) 2-Chlorophenol	4.572	128	451135	42.22	ppb		97
13) Decane	4.588	43	273602	38.33	ppb		96
14) 1,3-Dichlorobenzene	4.673	146	476285	39.84	ppb		96
15) 1,4-Dichlorobenzene	4.732	146	486367	40.60	ppb		98
16) Benzyl alcohol	4.834	108	270483	41.19	ppb		95
17) 1,2-Dichlorobenzene	4.850	146	451929	39.82	ppb		98
18) Acetophenone	5.037	105	606198	43.52	ppb		98
19) 2-Methylphenol	4.935	108	361995	41.94	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.925	121	151933	41.87	ppb	#	71
21) 3&4-Methylphenol	5.064	108	370263	40.42	ppb		96
22) n-Nitroso-di-n-propyla...	5.037	70	241557	39.92	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62614.D
Acq On : 28 Jun 2014 12:28 am
Operator : kristis
Sample : op75766-msd
Misc : op75766,e3e2682,31.0
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 14:53:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	129035	35.32	ppb		88
26) Nitrobenzene	5.181	77	367599	40.19	ppb		97
27) Quinoline	6.182	129	883882	45.23	ppb		100
28) Isophorone	5.385	82	621719	39.79	ppb		99
29) 2-Nitrophenol	5.460	139	222090	39.50	ppb		84
30) 2,4-Dimethylphenol	5.502	107	369365	45.58	ppb		95
31) Benzoic acid	5.631	105	214937m	31.58	ppb		
32) bis(2-Chloroethoxy)met...	5.572	93	394720	44.89	ppb		98
33) 2,4-Dichlorophenol	5.695	162	334341	43.20	ppb		99
34) 2,6-Dichlorophenol	5.904	162	323456	41.59	ppb		98
36) 1,2,4-Trichlorobenzene	5.759	180	331171	40.91	ppb		98
38) Naphthalene	5.834	128	1210413	42.70	ppb		100
39) 4-Chloroaniline	5.893	127	185662	15.83	ppb		98
40) 2,3-Dichloroaniline	6.914	161	360696	37.47	ppb		98
41) Caprolactam	6.278	55	115664	41.23	ppb		96
42) Hexachlorobutadiene	5.952	225	172784	41.25	ppb		97
43) 4-Chloro-3-methylphenol	6.438	107	329119m	40.26	ppb		
44) 2-Methylnaphthalene	6.572	141	700859	41.72	ppb		98
45) 1-Methylnaphthalene	6.684	141	765548	44.38	ppb		98
46) Dimethylnaphthalene	7.337	156	760453	44.47	ppb		98
48) Hexachlorocyclopentadiene	6.754	237	64155	29.92	ppb		96
49) 2,4,6-Trichlorophenol	6.925	196	205614	43.78	ppb		97
50) 2,4,5-Trichlorophenol	6.989	196	219888	44.82	ppb		99
52) 2-Chloronaphthalene	7.160	162	675083	41.57	ppb		99
53) Biphenyl	7.134	154	1033757	47.09	ppb		100
54) 2-Nitroaniline	7.305	65	181072	40.32	ppb		98
55) Dimethylphthalate	7.540	163	766178	43.58	ppb		99
56) Acenaphthylene	7.695	152	953466	36.36	ppb		99
57) 2,6-Dinitrotoluene	7.626	165	175071	39.27	ppb		96
58) 3-Nitroaniline	7.861	138	136500	27.42	ppb		99
59) Acenaphthene	7.936	153	748333	44.71	ppb		99
60) 2,4-Dinitrophenol	8.032	184	37971	16.25	ppb		95
61) 4-Nitrophenol	8.182	109	90965m	42.79	ppb		
62) Dibenzofuran	8.177	168	971312	42.96	ppb		93
63) 2,4-Dinitrotoluene	8.203	165	224284	37.89	ppb		98
64) 2,3,4,6-Tetrachlorophenol	8.385	232	149796	40.69	ppb		98
65) Diethylphthalate	8.540	149	763499	43.22	ppb		99
66) Fluorene	8.669	166	794702	43.35	ppb		98
67) 4-Chlorophenyl-phenyle...	8.679	204	340967	43.10	ppb		98
68) 4-Nitroaniline	8.738	138	184664	37.58	ppb		98
70) 4,6-Dinitro-2-methylph...	8.808	198	37763	13.25	ppb	#	83
71) n-Nitrosodiphenylamine	8.861	169	547740	47.07	ppb		100
72) 1,2-Diphenylhydrazine	8.915	77	648914	44.09	ppb		97
74) 4-Bromophenyl-phenylether	9.407	248	177026	45.81	ppb		99
75) Hexachlorobenzene	9.508	284	166282	41.46	ppb		98
76) Pentachlorophenol	9.829	266	90588	40.80	ppb		95
77) Phenanthrene	10.113	178	1028191	43.90	ppb		99
78) Anthracene	10.193	178	1038558	43.65	ppb		98
79) Carbazole	10.471	167	992379	43.49	ppb		99
80) Di-n-butylphthalate	11.070	149	1239994	46.86	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62614.D
Acq On : 28 Jun 2014 12:28 am
Operator : kristis
Sample : op75766-msd
Misc : op75766,e3e2682,31.0
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 14:53:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration

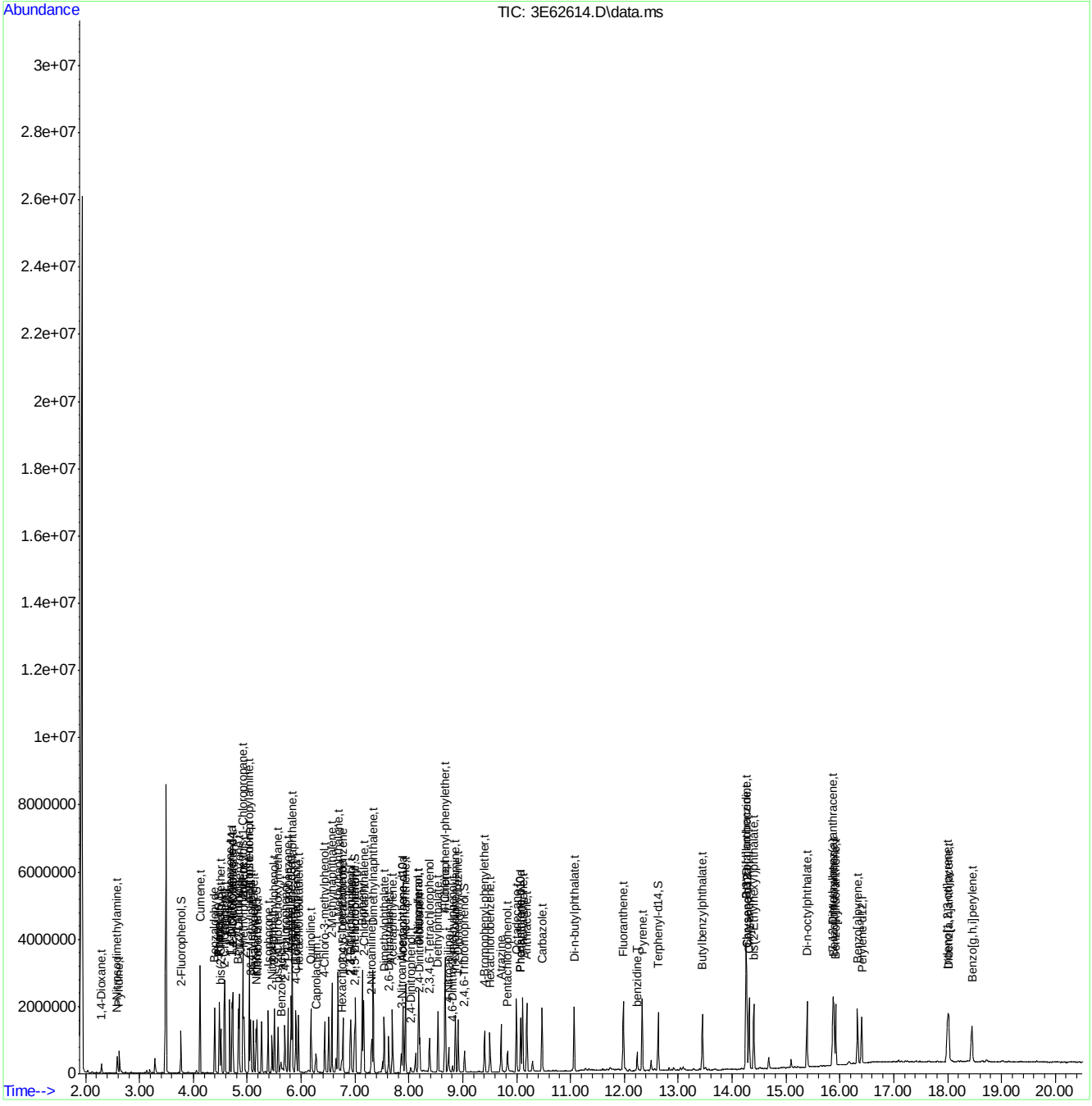
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
81) Fluoranthene	11.985	202	1080909	46.19	ppb		99
82) Octadecane	9.995	57	382257	49.21	ppb		98
84) Pyrene	12.333	202	1092901	48.43	ppb		99
86) Butylbenzylphthalate	13.450	149	534789	48.95	ppb		98
88) Benzo[a]anthracene	14.263	228	903738	45.02	ppb		99
89) 3,3'-Dichlorobenzidine	14.258	252	497534	70.70	ppb		99
90) Chrysene	14.317	228	849876	46.64	ppb		99
91) bis(2-Ethylhexyl)phtha...	14.402	149	743053	47.82	ppb		98
93) Di-n-octylphthalate	15.392	149	1224112	46.08	ppb		99
94) Benzo[b]fluoranthene	15.889	252	839698	43.40	ppb		99
95) Benzo[k]fluoranthene	15.922	252	743631	40.39	ppb		100
96) Benzo[a]pyrene	16.328	252	725876	43.27	ppb		99
97) Indeno[1,2,3-cd]pyrene	18.002	276	847355	42.77	ppb		98
99) Dibenz[a,h]anthracene	18.024	278	723347	43.57	ppb		98
100) 7,12-Dimethylbenz(a)an...	15.873	256	393697	41.26	ppb		95
101) Benzo[g,h,i]perylene	18.457	276	703067	44.40	ppb		100
103) Benzaldehyde	4.395	105	348943	47.51	ppb		91
105) 1,2,4,5-Tetrachloroben...	6.775	216	285720	45.42	ppb		100
107) Atrazine	9.712	215	112073	57.77	ppb	#	82
111) benzidine	12.236	184	314211	26.86	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62614.D
Acq On : 28 Jun 2014 12:28 am
Operator : kristis
Sample : op75766-msd
Misc : op75766,e3e2682,31.0
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 14:53:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration



Manual Integration Approval Summary

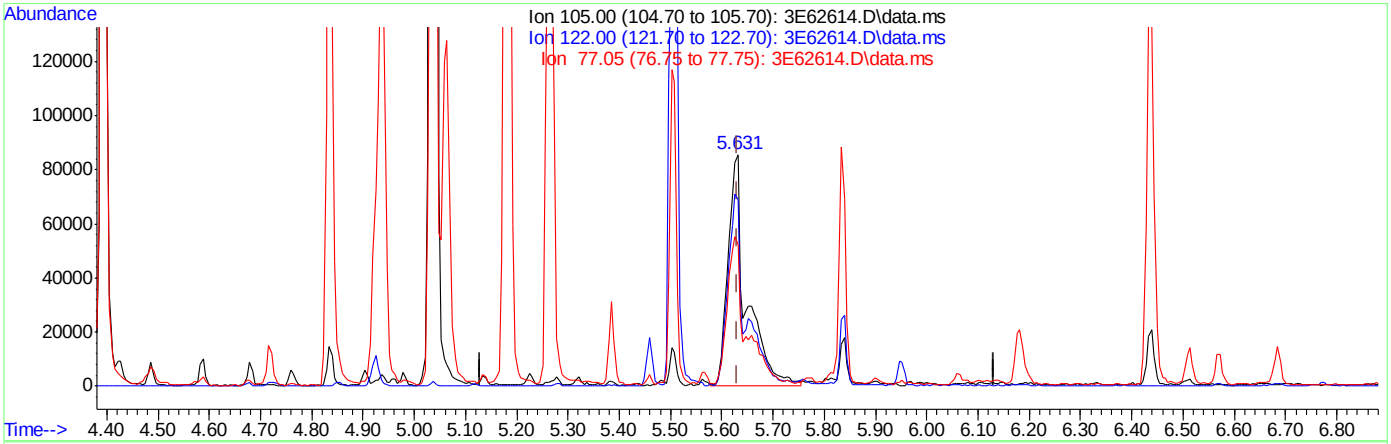
Sample Number:	OP75766-MSD	**Method:**	SW846 8270D
Lab FileID:	3E62614.D	**Analyst approved:**	07/01/14 14:51 Andrew Lee Smith
Injection Time:	06/28/14 00:28	**Supervisor approved:**	07/07/14 18:15 Cheng-Hwan Ao

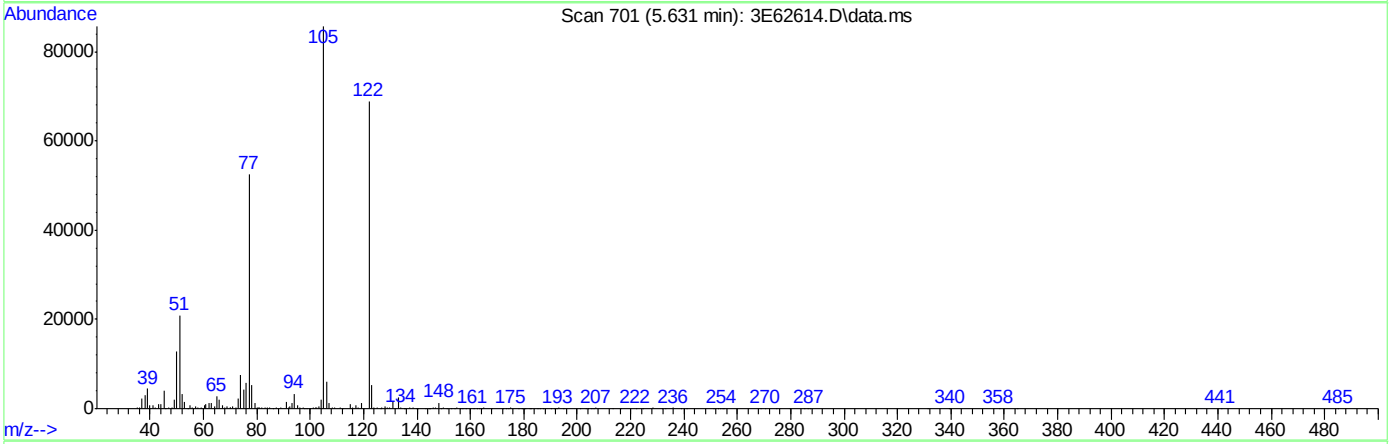
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.63	Poor instrument integration
4-Chloro-3-methyl phenol	59-50-7		6.44	Poor instrument integration
4-Nitrophenol	100-02-7		8.18	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62614.D
Acq On : 28 Jun 2014 12:28 am
Operator : kristis
Sample : op75766-msd
Misc : op75766,e3e2682,31.0
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 28 13:57:45 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration





TIC: 3E62614.D\data.ms

(31) Benzoic acid (t)

5.631min (+0.000) 31.58ppb m

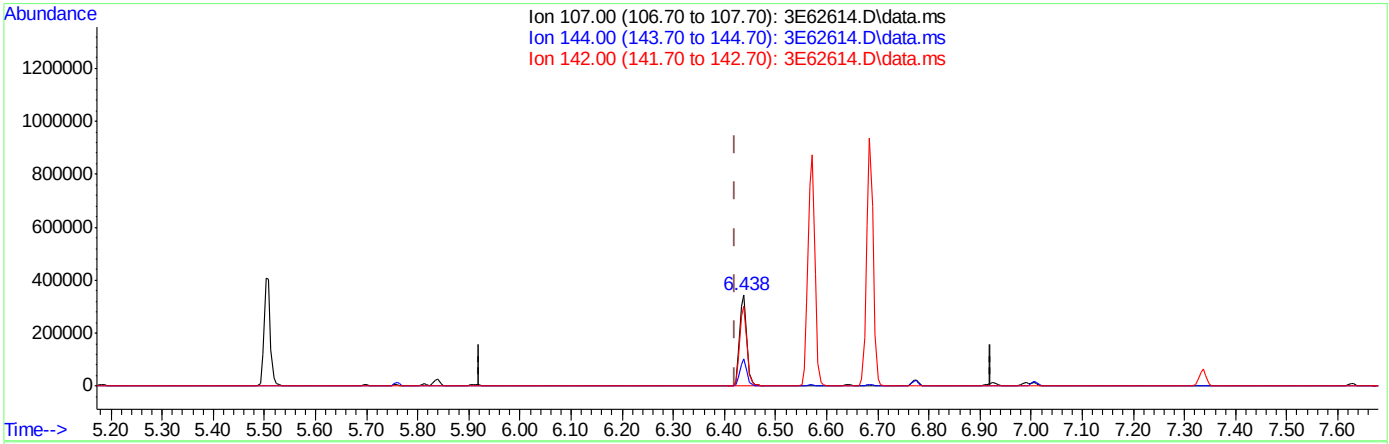
response 214937

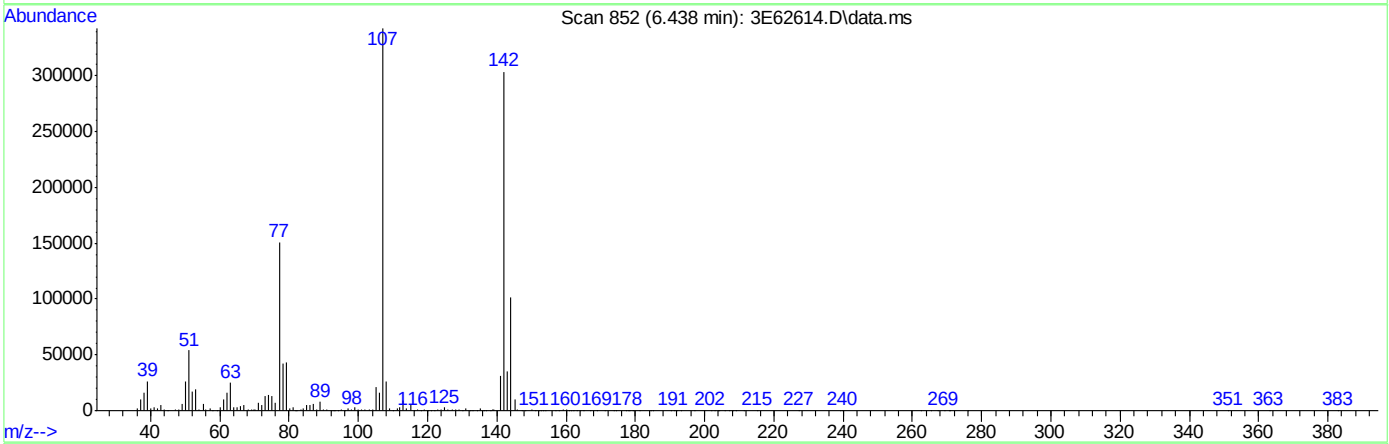
Ion	Exp%	Act%
105.00	100	100
122.00	86.70	80.38
77.05	66.20	61.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62614.D
Acq On : 28 Jun 2014 12:28 am
Operator : kristis
Sample : op75766-msd
Misc : op75766,e3e2682,31.0
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 28 13:57:45 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration





TIC: 3E62614.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.438min (+0.016) 40.26ppb m

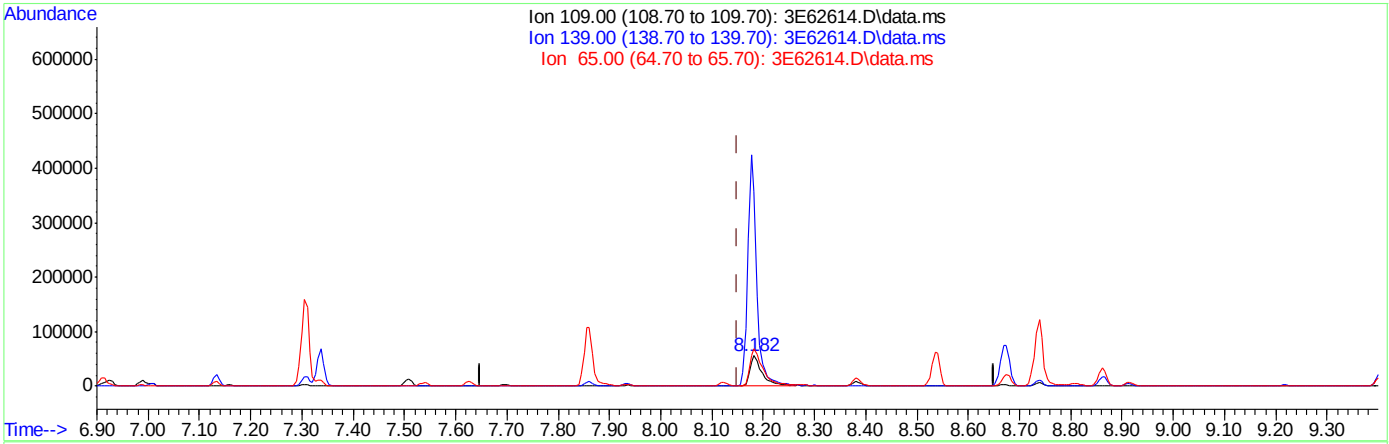
response 329119

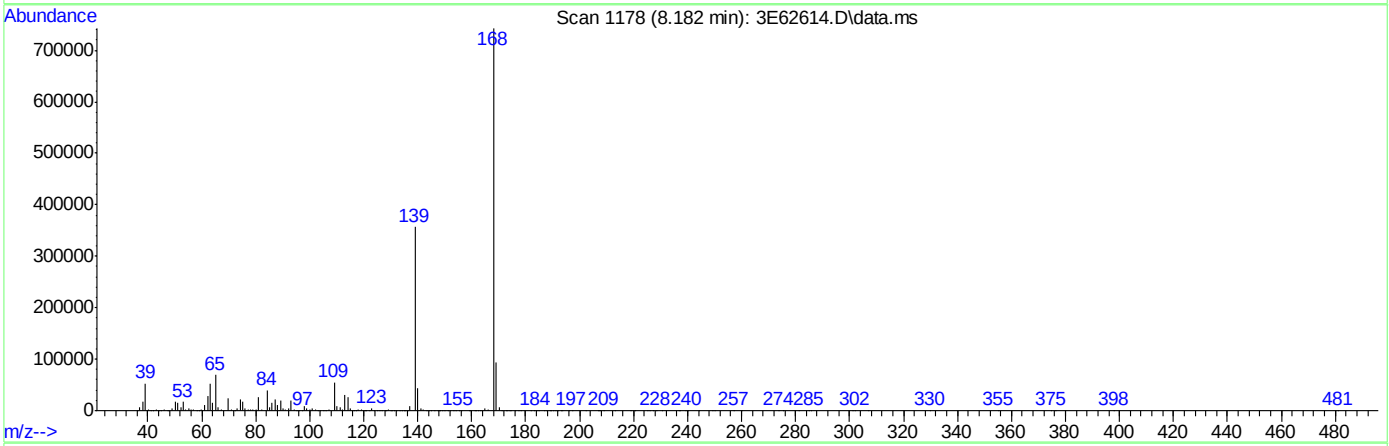
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	29.53
142.00	0.00	88.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62614.D
Acq On : 28 Jun 2014 12:28 am
Operator : kristis
Sample : op75766-msd
Misc : op75766,e3e2682,31.0
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 28 13:57:45 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 17:42:26 2014
QLast Update : Fri Jun 27 17:42:26 2014
Response via : Initial Calibration





TIC: 3E62614.D\data.ms

(61) 4-Nitrophenol (t)

8.182min (+0.032) 42.79ppb m

response 90965

Ion	Exp%	Act%
109.00	100	100
139.00	191.00	643.86#
65.00	132.10	124.56
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105639.D
Acq On : 27 Jun 2014 8:01 am
Operator : ashleyd
Sample : op75872-msd
Misc : op75872,em4324,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 08:11:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 13:02:46 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.687	152	115722	40.00	ppb		0.00
24) Naphthalene-d8	5.820	136	438911	40.00	ppb		-0.01
47) Acenaphthene-d10	8.160	164	266446	40.00	ppb		-0.02
69) Phenanthrene-d10	10.777	188	443230	40.00	ppb		-0.03
83) Chrysene-d12	15.948	240	416185	40.00	ppb		-0.04
92) Perylene-d12	18.566	264	325607	40.00	ppb		-0.05
102) 1,4-Dichlorobenzene-d4a	4.687	152	115722	40.00	ppb		0.00
104) Acenaphthene-d10a	8.160	164	266446	40.00	ppb		-0.02
107) Chrysene-d12a	15.948	240	416185	40.00	ppb		-0.04
109) Naphthalene-d8a	5.820	136	438911	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.720	112	158897	38.53	ppb		0.00
Spiked Amount 50.000			Recovery = 77.06%				
8) Phenol-d5	4.441	99	175483	32.67	ppb		0.00
Spiked Amount 50.000			Recovery = 65.34%				
25) Nitrobenzene-d5	5.141	82	204948	45.05	ppb		0.00
Spiked Amount 50.000			Recovery = 90.10%				
51) 2-Fluorobiphenyl	7.150	172	385973	41.78	ppb		-0.02
Spiked Amount 50.000			Recovery = 83.56%				
73) 2,4,6-Tribromophenol	9.516	330	44905	46.03	ppb		-0.02
Spiked Amount 50.000			Recovery = 92.06%				
86) Terphenyl-d14	13.950	244	363737	39.00	ppb		-0.03
Spiked Amount 50.000			Recovery = 78.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.224	88	72790	34.90	ppb		96
3) Pyridine	2.572	79	9980	1.93	ppb		96
4) N-Nitrosodimethylamine	2.518	42	71745	38.35	ppb		99
6) Indene	4.890	116	375537	49.21	ppb		99
7) Cumene	4.083	105	459504	42.05	ppb		99
9) Phenol	4.447	94	202062	33.25	ppb		86
10) Aniline	4.441	93	118821	16.83	ppb		67
11) bis(2-Chloroethyl)ether	4.484	93	196708	46.81	ppb		99
12) 2-Chlorophenol	4.538	128	189499	41.74	ppb		99
13) Decane	4.564	43	123293	36.42	ppb		91
14) 1,3-Dichlorobenzene	4.644	146	170212	35.94	ppb		96
15) 1,4-Dichlorobenzene	4.698	146	172687	35.08	ppb		97
16) Benzyl alcohol	4.805	108	149720	48.51	ppb		89
17) 1,2-Dichlorobenzene	4.821	146	169868	37.23	ppb		97
18) Acetophenone	5.008	105	314548	49.09	ppb		95
19) 2-Methylphenol	4.906	108	181773	44.78	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.901	121	59854	44.82	ppb		87
21) 3&4-Methylphenol	5.029	108	188053	43.56	ppb	#	84
22) n-Nitroso-di-n-propyla...	5.013	70	143316	46.05	ppb		94
23) Hexachloroethane	5.098	201	58873	35.11	ppb		97
26) Nitrobenzene	5.157	77	221748	43.24	ppb		98
27) Quinoline	6.220	129	232082	25.02	ppb		98
28) Isophorone	5.366	82	376811	42.56	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105639.D
Acq On : 27 Jun 2014 8:01 am
Operator : ashleyd
Sample : op75872-msd
Misc : op75872,em4324,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 08:11:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 13:02:46 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	5.446	139	104079	44.94	ppb		94
30)	2,4-Dimethylphenol	5.499	107	184403	40.10	ppb		94
31)	Benzoic acid	5.617	105	141320	46.57	ppb		94
32)	bis(2-Chloroethoxy)met...	5.569	93	239635	47.54	ppb		98
33)	2,4-Dichlorophenol	5.691	162	159985	46.26	ppb		96
34)	2,6-Dichlorophenol	5.921	162	155505	44.49	ppb		96
36)	1,2,4-Trichlorobenzene	5.766	180	146095	35.75	ppb		96
38)	Naphthalene	5.846	128	512389	37.97	ppb		100
39)	4-Chloroaniline	5.910	127	131265	22.23	ppb		98
40)	2,3-Dichloroaniline	7.032	161	198421	44.21	ppb		98
41)	Caprolactam	6.295	55	47303	26.27	ppb		98
42)	Hexachlorobutadiene	5.980	225	72060	30.71	ppb		98
43)	4-Chloro-3-methylphenol	6.493	107	178297	44.47	ppb		99
44)	2-Methylnaphthalene	6.653	141	313482	42.13	ppb		97
45)	1-Methylnaphthalene	6.776	142	399237	46.67	ppb		99
46)	Dimethylnaphthalene	7.524	156	361110	46.80	ppb		99
48)	Hexachlorocyclopentadiene	6.867	237	163874	72.31	ppb		99
49)	2,4,6-Trichlorophenol	7.043	196	117261	45.39	ppb		97
50)	2,4,5-Trichlorophenol	7.102	196	126010	45.01	ppb		97
52)	2-Chloronaphthalene	7.310	162	325699	37.56	ppb		98
53)	Biphenyl	7.294	154	503756	46.18	ppb		98
54)	2-Nitroaniline	7.476	65	116290	49.05	ppb		93
55)	Dimethylphthalate	7.775	163	418823	45.61	ppb		98
56)	Acenaphthylene	7.930	152	475244	35.85	ppb		99
57)	2,6-Dinitrotoluene	7.855	165	96941	48.90	ppb		97
58)	3-Nitroaniline	8.122	138	80723	34.64	ppb		97
59)	Acenaphthene	8.213	153	349957	42.56	ppb		97
60)	2,4-Dinitrophenol	8.298	184	144976	115.99	ppb		90
61)	4-Nitrophenol	8.480	109	49622	39.86	ppb	#	81
62)	Dibenzofuran	8.501	168	526667	43.60	ppb		99
63)	2,4-Dinitrotoluene	8.512	165	130820	48.24	ppb		76
64)	2,3,4,6-Tetrachlorophenol	8.736	232	96086	44.88	ppb		99
65)	Diethylphthalate	8.966	149	408377	45.70	ppb		98
66)	Fluorene	9.084	166	419143	44.65	ppb		99
67)	4-Chlorophenyl-phenyle...	9.116	204	198517	43.60	ppb		99
68)	4-Nitroaniline	9.164	138	110874	46.02	ppb		90
70)	4,6-Dinitro-2-methylph...	9.223	198	83765	52.39	ppb		97
71)	n-Nitrosodiphenylamine	9.335	169	249052	40.95	ppb		96
72)	1,2-Diphenylhydrazine	9.394	77	446943	45.43	ppb		98
74)	4-Bromophenyl-phenylether	9.992	248	98742	42.93	ppb		99
75)	Hexachlorobenzene	10.077	284	99534	39.59	ppb		99
76)	Pentachlorophenol	10.467	266	74288	48.60	ppb		97
77)	Phenanthrene	10.820	178	601971	44.72	ppb		99
78)	Anthracene	10.916	178	609624	45.53	ppb		99
79)	Carbazole	11.269	167	600617	47.25	ppb		99
80)	Di-n-butylphthalate	12.070	149	710604	50.60	ppb		100
81)	Fluoranthene	13.112	202	675837	47.54	ppb		99
82)	Octadecane	10.777	57	226525	50.66	ppb		96
84)	Pyrene	13.539	202	692820	48.25	ppb		100
87)	Butylbenzylphthalate	15.013	149	315014	54.35	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105639.D
Acq On : 27 Jun 2014 8:01 am
Operator : ashleyd
Sample : op75872-msd
Misc : op75872,em4324,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 08:11:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 13:02:46 2014
Response via : Initial Calibration

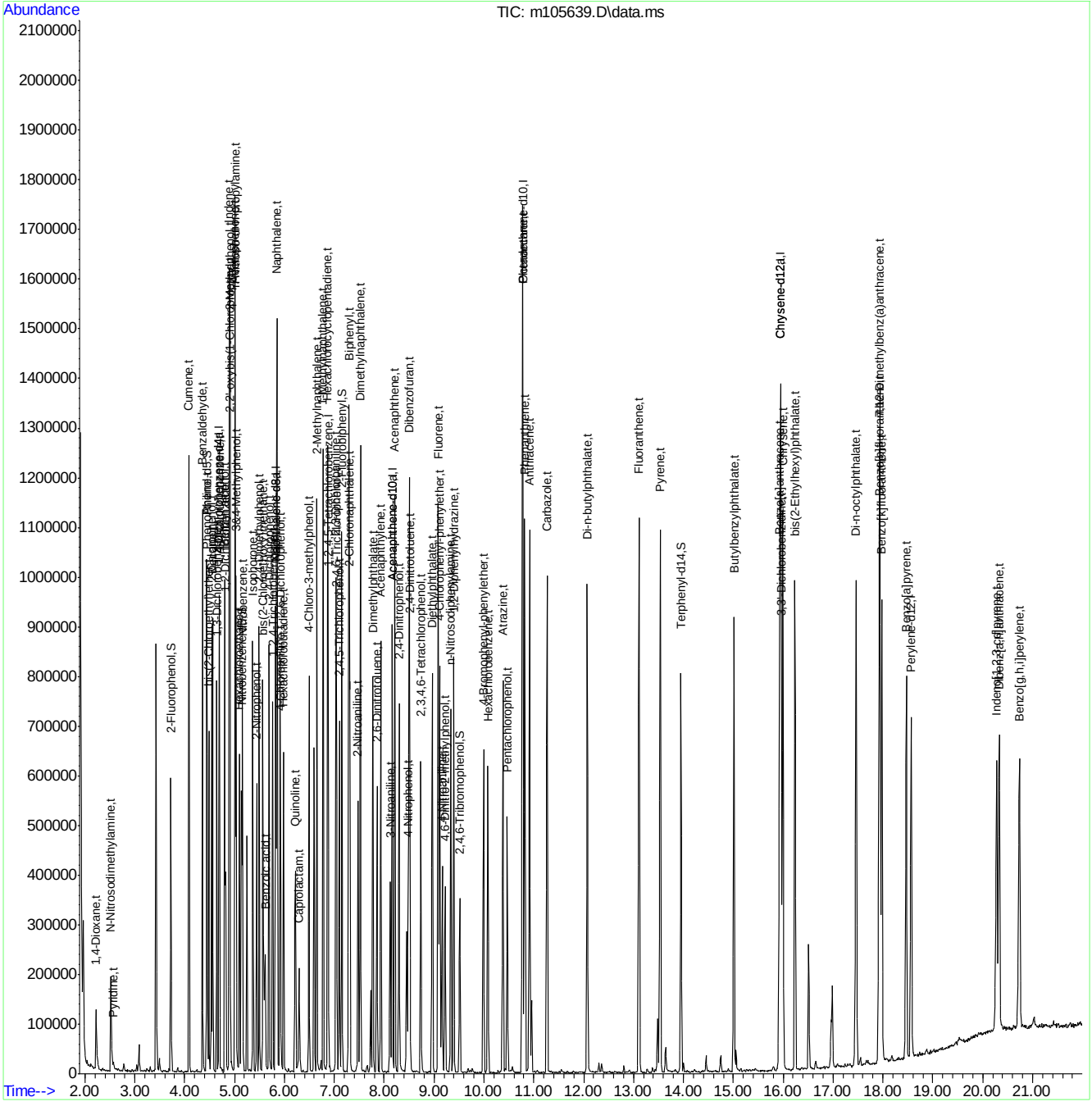
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	15.927	228	584392	45.23	ppb	100
89) 3,3'-Dichlorobenzidine	15.964	252	225114	52.32	ppb	99
90) Chrysene	15.996	228	574755	46.87	ppb	97
91) bis(2-Ethylhexyl)phtha...	16.237	149	440439	56.84	ppb	98
93) Di-n-octylphthalate	17.460	149	752051	55.70	ppb	99
94) Benzo[b]fluoranthene	17.925	252	517651	44.83	ppb	97
95) Benzo[k]fluoranthene	17.978	252	496845	43.57	ppb	98
96) Benzo[a]pyrene	18.470	252	441776	43.68	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.281	276	373130	41.26	ppb	94
99) Dibenz[a,h]anthracene	20.334	278	398175	42.02	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.941	256	239287	45.59	ppb	92
101) Benzo[g,h,i]perylene	20.740	276	385053	42.14	ppb	99
103) Benzaldehyde	4.356	105	183449	57.83	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.877	216	149549	36.98	ppb	98
106) Atrazine	10.382	215	73528	56.62	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105639.D
Acq On : 27 Jun 2014 8:01 am
Operator : ashleyd
Sample : op75872-msd
Misc : op75872,em4324,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 08:11:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 13:02:46 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105703.D
Acq On : 28 Jun 2014 5:02 pm
Operator : andrews1
Sample : op75872-ms
Misc : op75872,em4327,500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 18:08:54 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.786	152	153374	40.00	ppb		0.00
24) Naphthalene-d8	5.950	136	570055	40.00	ppb		0.00
47) Acenaphthene-d10	8.322	164	351615	40.00	ppb		0.00
69) Phenanthrene-d10	10.956	188	600506	40.00	ppb		0.00
83) Chrysene-d12	16.143	240	542922	40.00	ppb		0.00
92) Perylene-d12	18.761	264	462208	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.786	152	153374	40.00	ppb		0.00
104) Acenaphthene-d10a	8.322	164	351615	40.00	ppb		0.00
107) Chrysene-d12a	16.143	240	542922	40.00	ppb		0.00
109) Naphthalene-d8a	5.950	136	570055	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.819	112	202737	37.09	ppb		0.00
Spiked Amount 50.000			Recovery = 74.18%				
8) Phenol-d5	4.529	99	220751	31.00	ppb		0.00
Spiked Amount 50.000			Recovery = 62.00%				
25) Nitrobenzene-d5	5.250	82	243119	41.14	ppb		0.00
Spiked Amount 50.000			Recovery = 82.28%				
51) 2-Fluorobiphenyl	7.296	172	474979	38.96	ppb		0.00
Spiked Amount 50.000			Recovery = 77.92%				
73) 2,4,6-Tribromophenol	9.684	330	57302	43.35	ppb		0.00
Spiked Amount 50.000			Recovery = 86.70%				
86) Terphenyl-d14	14.134	244	462569	38.02	ppb		0.00
Spiked Amount 50.000			Recovery = 76.04%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.350	88	93623	33.87	ppb		96
3) Pyridine	2.681	79	17169	2.50	ppb		97
4) N-Nitrosodimethylamine	2.633	42	88067	35.52	ppb		98
6) Indene	4.994	116	434207	42.93	ppb		100
7) Cumene	4.182	105	559281	38.61	ppb		99
9) Phenol	4.540	94	251953	31.28	ppb		81
10) Aniline	4.535	93	161590	17.27	ppb	#	34
11) bis(2-Chloroethyl)ether	4.577	93	241953	43.44	ppb		98
12) 2-Chlorophenol	4.636	128	233591	38.82	ppb		98
13) Decane	4.657	43	155764	34.72	ppb		93
14) 1,3-Dichlorobenzene	4.743	146	212531	33.86	ppb		99
15) 1,4-Dichlorobenzene	4.802	146	221248	33.91	ppb		99
16) Benzyl alcohol	4.903	108	182540	44.62	ppb		95
17) 1,2-Dichlorobenzene	4.925	146	204909	33.89	ppb		99
18) Acetophenone	5.117	105	378062	44.52	ppb		98
19) 2-Methylphenol	5.005	108	215865	40.13	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.005	121	72206	40.79	ppb		94
21) 3&4-Methylphenol	5.133	108	229510	40.11	ppb	#	83
22) n-Nitroso-di-n-propyla...	5.117	70	170979	41.45	ppb		95
23) Hexachloroethane	5.213	201	76126	34.25	ppb		98
26) Nitrobenzene	5.266	77	267215	40.12	ppb		99
27) Quinoline	6.351	129	285056	23.66	ppb		97
28) Isophorone	5.485	82	458728	39.89	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105703.D
Acq On : 28 Jun 2014 5:02 pm
Operator : andrews1
Sample : op75872-ms
Misc : op75872,em4327,500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 18:08:54 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.560	139	128396	42.68	ppb	96
30) 2,4-Dimethylphenol	5.608	107	218023	36.51	ppb	99
31) Benzoic acid	5.731	105	166985	42.37	ppb	90
32) bis(2-Chloroethoxy)met...	5.688	93	290875	44.43	ppb	100
33) 2,4-Dichlorophenol	5.811	162	193227	43.02	ppb	95
34) 2,6-Dichlorophenol	6.046	162	188965	41.63	ppb	97
36) 1,2,4-Trichlorobenzene	5.891	180	184780	34.81	ppb	96
38) Naphthalene	5.972	128	613774	35.02	ppb	100
39) 4-Chloroaniline	6.030	127	177007	23.08	ppb	98
40) 2,3-Dichloroaniline	7.179	161	238138	40.85	ppb	98
41) Caprolactam	6.431	55	60284	25.78	ppb	97
42) Hexachlorobutadiene	6.110	225	95072	31.19	ppb	100
43) 4-Chloro-3-methylphenol	6.623	107	214703	41.23	ppb	97
44) 2-Methylnaphthalene	6.789	141	380390	39.36	ppb	99
45) 1-Methylnaphthalene	6.923	142	482012	43.39	ppb	99
46) Dimethylnaphthalene	7.676	156	445437	44.45	ppb	100
48) Hexachlorocyclopentadiene	7.013	237	196700	65.77	ppb	99
49) 2,4,6-Trichlorophenol	7.190	196	143448	42.07	ppb	99
50) 2,4,5-Trichlorophenol	7.243	196	157768	42.70	ppb	98
52) 2-Chloronaphthalene	7.462	162	406182	35.49	ppb	99
53) Biphenyl	7.441	154	616307	42.82	ppb	99
54) 2-Nitroaniline	7.628	65	140483	44.90	ppb	96
55) Dimethylphthalate	7.927	163	519772	42.89	ppb	99
56) Acenaphthylene	8.092	152	583875	33.37	ppb	99
57) 2,6-Dinitrotoluene	8.012	165	120196	45.95	ppb	93
58) 3-Nitroaniline	8.279	138	96356	31.34	ppb	96
59) Acenaphthene	8.376	153	432790	39.88	ppb	100
60) 2,4-Dinitrophenol	8.456	184	172905	106.28	ppb	90
61) 4-Nitrophenol	8.632	109	60150	36.61	ppb	89
62) Dibenzofuran	8.664	168	649380	40.74	ppb	93
63) 2,4-Dinitrotoluene	8.675	165	160890	44.96	ppb	80
64) 2,3,4,6-Tetrachlorophenol	8.899	232	117955	41.75	ppb	98
65) Diethylphthalate	9.129	149	677530	57.45	ppb	98
66) Fluorene	9.252	166	524060	42.31	ppb	96
67) 4-Chlorophenyl-phenyle...	9.284	204	247961	41.26	ppb	99
68) 4-Nitroaniline	9.326	138	135806	42.72	ppb	91
70) 4,6-Dinitro-2-methylph...	9.391	198	103416	47.74	ppb	96
71) n-Nitrosodiphenylamine	9.503	169	308018	37.38	ppb	96
72) 1,2-Diphenylhydrazine	9.562	77	548692	41.17	ppb	97
74) 4-Bromophenyl-phenylether	10.160	248	128219	41.15	ppb	97
75) Hexachlorobenzene	10.256	284	124393	36.52	ppb	98
76) Pentachlorophenol	10.641	266	81609	39.40	ppb	98
77) Phenanthrene	10.999	178	749255	41.09	ppb	99
78) Anthracene	11.095	178	758524	41.81	ppb	100
79) Carbazole	11.447	167	745925	43.31	ppb	98
80) Di-n-butylphthalate	12.243	149	882462	46.38	ppb	99
81) Fluoranthene	13.296	202	830186	43.10	ppb	99
82) Octadecane	10.940	57	295492	48.77	ppb	96
84) Pyrene	13.728	202	866953	46.29	ppb	99
87) Butylbenzylphthalate	15.192	149	391677	51.80	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105703.D
Acq On : 28 Jun 2014 5:02 pm
Operator : andrews1
Sample : op75872-ms
Misc : op75872,em4327,500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 18:08:54 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration

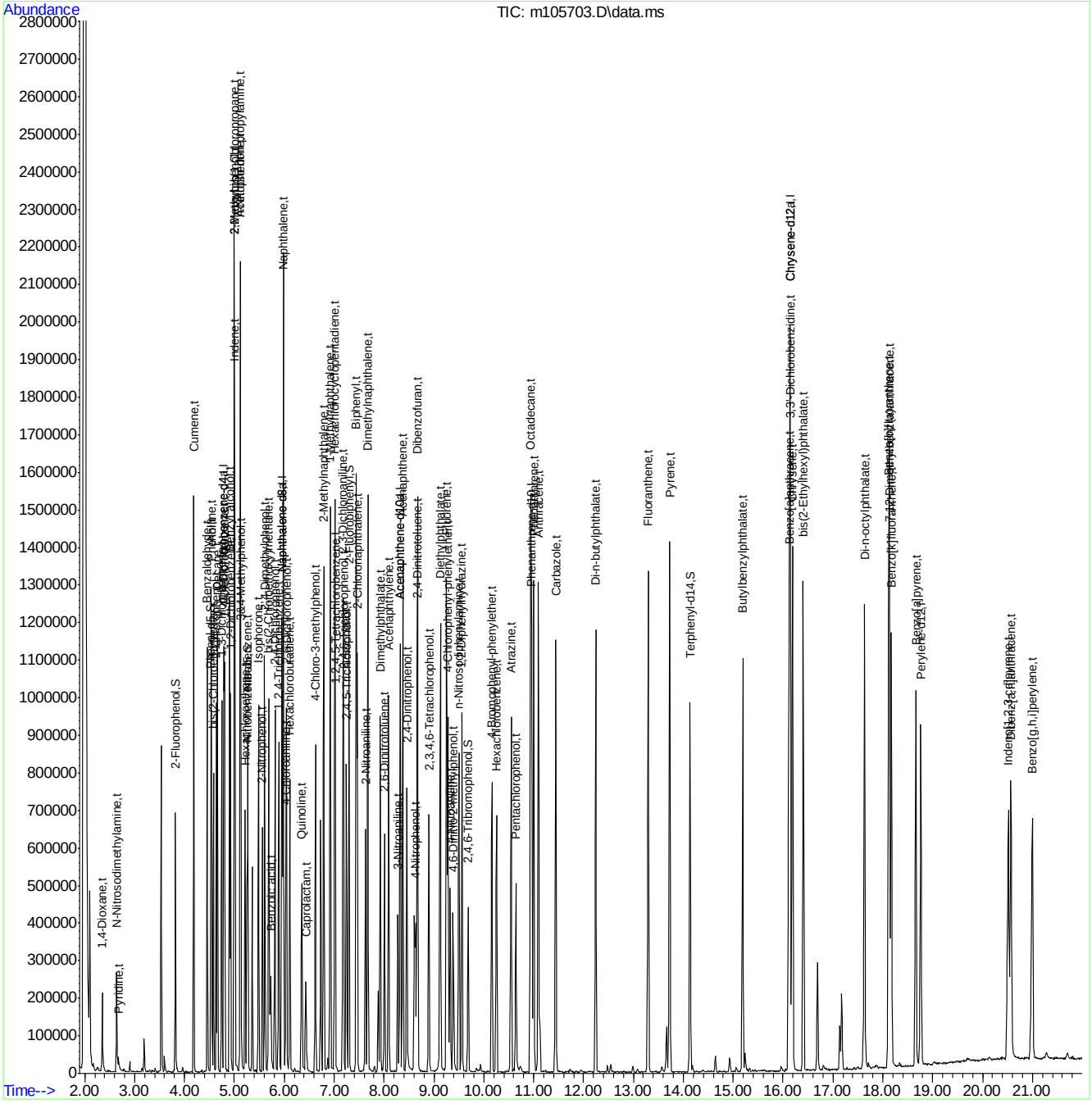
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	16.122	228	725127	43.02	ppb	99
89) 3,3'-Dichlorobenzidine	16.148	252	267738	47.70	ppb	98
90) Chrysene	16.191	228	717442	44.84	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.405	149	547257	54.13	ppb	98
93) Di-n-octylphthalate	17.633	149	937035	49.73	ppb	99
94) Benzo[b]fluoranthene	18.120	252	671000	40.94	ppb	96
95) Benzo[k]fluoranthene	18.173	252	637521	39.38	ppb	97
96) Benzo[a]pyrene	18.665	252	575300	40.08	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.518	276	488523	38.06	ppb	92
99) Dibenz[a,h]anthracene	20.572	278	533148	39.64	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.136	256	315635	42.36	ppb	99
101) Benzo[g,h,i]perylene	20.999	276	503969	38.85	ppb	96
103) Benzaldehyde	4.454	105	219507	52.21	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.024	216	185251	34.72	ppb	98
106) Atrazine	10.550	215	92731	54.11	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105703.D
Acq On : 28 Jun 2014 5:02 pm
Operator : andrews1
Sample : op75872-ms
Misc : op75872,em4327,500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 18:08:54 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration



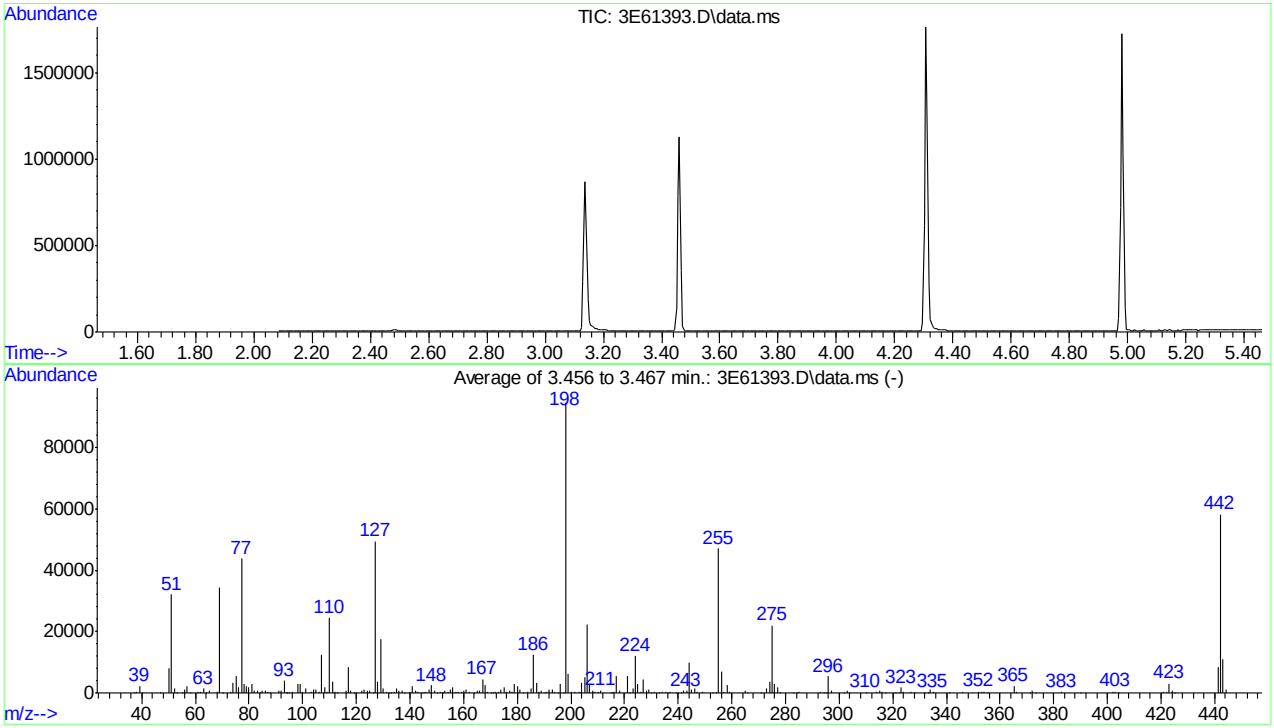
ACCUTEST LABORATORIES JB69534

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 257, 258, 259; Background Corrected with Scan 252

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.8	32000	PASS
68	69	0.00	2	1.3	462	PASS
69	198	0.00	100	36.4	34486	PASS
70	69	0.00	2	0.4	149	PASS
127	198	40	60	52.2	49442	PASS
197	198	0.00	1	0.2	195	PASS
198	198	100	100	100.0	94664	PASS
199	198	5	9	6.7	6346	PASS
275	198	10	30	23.3	22082	PASS
365	198	1	100	2.4	2233	PASS
441	443	0.10	100	77.2	8455	PASS
442	198	40	100	61.5	58176	PASS
443	442	17	23	18.8	10948	PASS

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	133	57.00	2363	74.05	3336	85.00	602
38.00	306	57.90	72	75.00	5494	86.00	587
39.10	2332	61.00	432	76.05	1987	87.00	313
39.95	56	62.00	382	77.10	43701	87.90	87
46.90	6	63.00	1329	78.10	2996	91.00	610
50.10	7891	64.00	169	79.00	2318	92.00	642
51.05	32000	65.00	693	80.00	1971	93.00	3928
52.05	1582	68.00	462	81.00	2805	93.90	148
53.00	54	69.00	34486	82.00	736	94.10	143
54.95	159	70.10	149	83.00	754	94.95	117
56.00	957	73.05	226	84.00	106	96.05	221

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
98.00	2963	110.00	24401	124.00	625	135.05	1442
99.00	2883	111.00	3654	125.00	607	136.00	561
99.95	248	111.95	380	126.05	145	136.95	754
101.00	1608	112.95	155	127.05	49442	137.90	179
103.00	498	116.00	619	128.00	3585	139.95	238
103.95	978	117.00	8573	129.00	17658	141.00	2085
105.00	943	118.00	722	130.00	1429	142.00	748
106.00	289	119.00	51	131.00	238	142.95	510
107.05	12459	120.05	161	132.00	171	144.05	123
108.05	1918	122.00	802	132.90	53	145.10	82
109.00	292	123.00	1264	134.00	449	146.00	325

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.05	1094	157.00	295	169.00	469	180.05	2224
148.00	2434	157.95	329	170.00	80	181.10	965
149.00	579	159.00	290	170.90	135	182.05	142
150.05	147	160.00	720	171.95	406	184.00	238
151.10	333	161.05	1007	173.00	543	185.00	1444
151.90	81	162.00	348	174.00	932	186.10	12345
152.10	82	163.90	62	175.00	1700	187.10	3390
153.00	582	165.00	732	175.95	393	188.10	291
154.00	550	166.00	672	177.00	715	189.00	656
155.00	1280	167.05	4503	177.95	208	190.10	62
156.05	1954	168.00	2631	179.00	2960	191.05	352

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	997	204.10	3171	217.00	5419	229.95	143
193.05	1072	205.10	5188	218.00	746	231.00	473
194.00	237	206.10	22300	221.05	5553	232.90	56
194.95	134	207.05	2973	222.00	164	234.00	235
196.05	2834	208.05	711	223.05	1299	235.10	331
197.05	195	209.05	222	224.10	11942	235.95	191
198.00	94664	210.20	303	225.00	2970	237.00	365
199.00	6346	211.05	832	226.00	357	238.95	167
200.00	525	214.90	57	227.05	4418	240.00	67
201.55	495	215.10	90	228.00	730	241.00	192
203.00	549	216.00	410	229.00	945	242.05	629

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
243.05	719	258.05	2513	282.95	146	309.90	50
244.10	9997	258.95	382	284.10	93	314.00	202
245.05	1244	265.00	923	285.05	278	314.95	610
246.05	1593	265.90	83	293.00	396	316.00	346

dftpp3e.M Tue Jun 10 08:37:00 2014 MS3E

246.95	352	270.90	68	294.00	62	317.10	52
249.00	297	273.00	1392	295.20	81	321.00	91
253.00	107	274.00	3679	296.00	5483	322.20	51
254.10	116	275.10	22082	297.00	741	323.10	1760
255.10	47034	276.00	2954	301.90	62	324.05	353
256.05	6901	277.00	1748	303.05	729	326.95	317
257.00	529	278.00	190	304.00	100	327.90	173

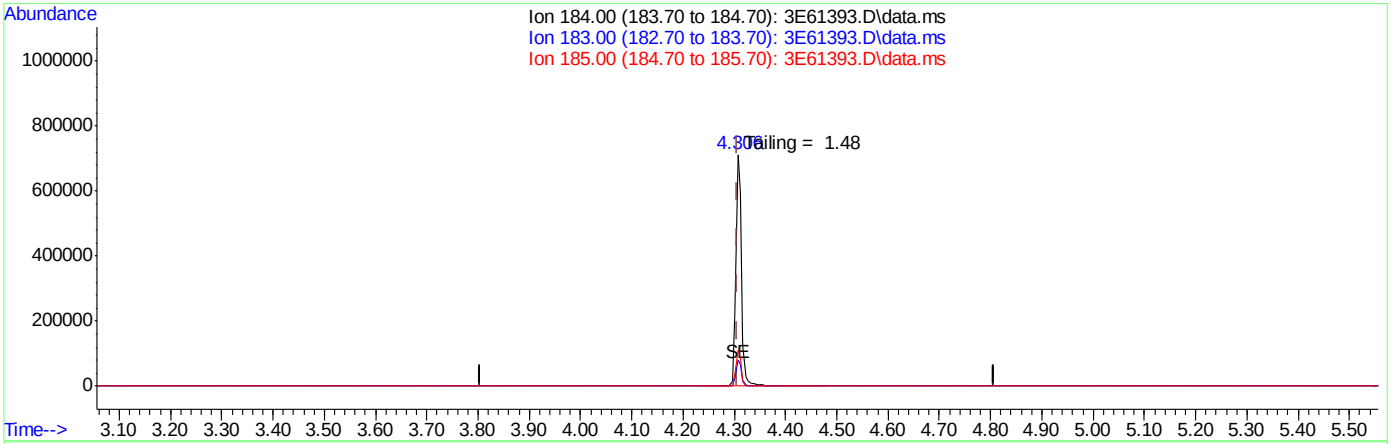
Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

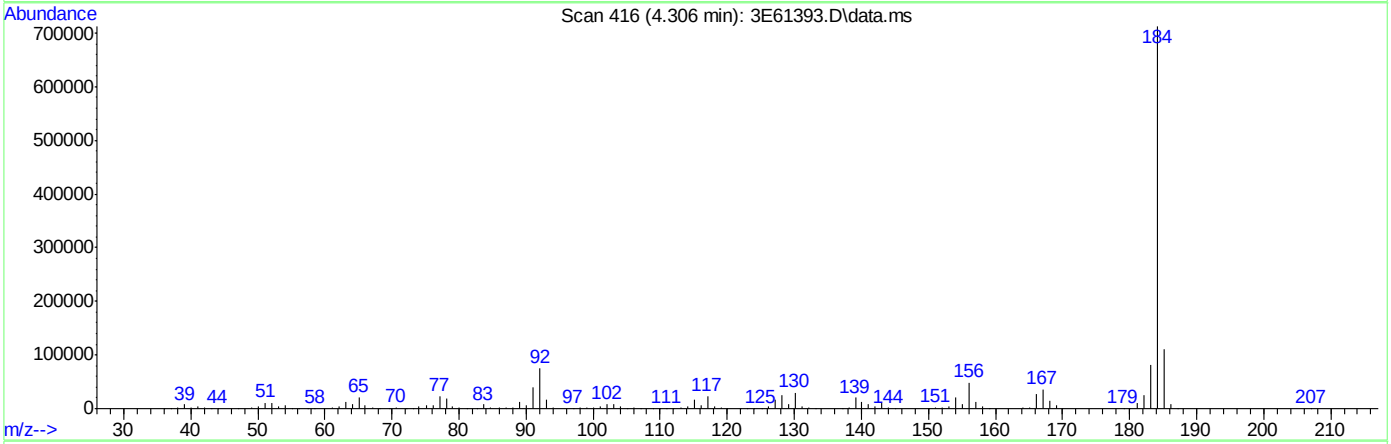
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
331.80	67	365.95	329	423.05	2958		
332.90	71	371.10	94	424.00	719		
334.05	1160	372.05	873	425.10	55		
335.05	230	373.10	185	441.10	8455		
341.00	111	382.95	200	442.10	58176		
345.95	409	390.00	80	443.10	10948		
352.00	430	402.05	267	444.05	1022		
353.05	426	403.00	456				
354.05	533	404.00	87				
355.00	58	420.95	458				
365.05	2233	422.00	409				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 17:38:31 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61393.D\data.ms

(2) Benzidine (t)

4.306min (+0.000) 53.82ppb

response 565104

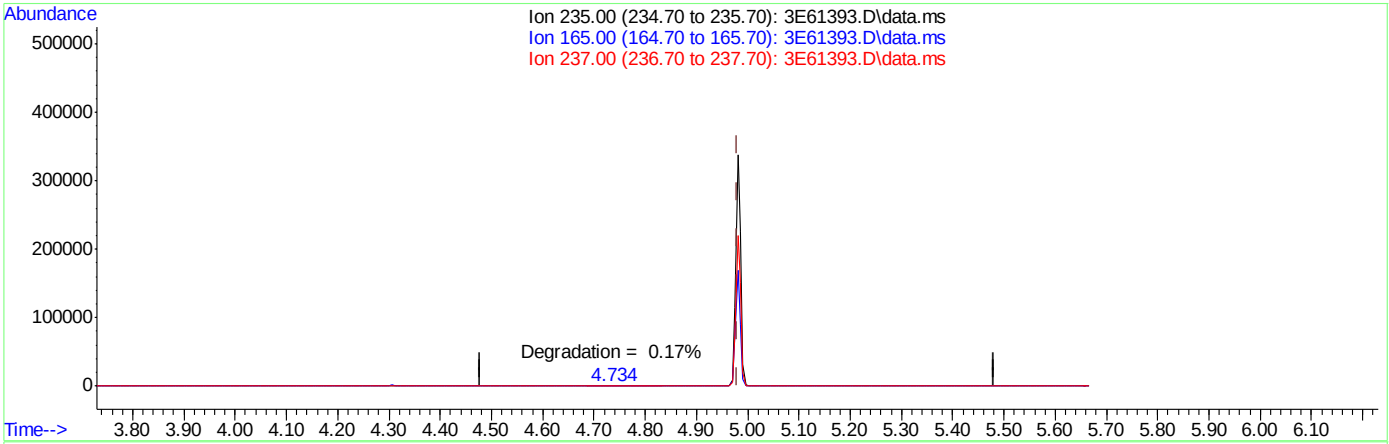
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.50
185.00	15.40	15.70
0.00	0.00	0.00

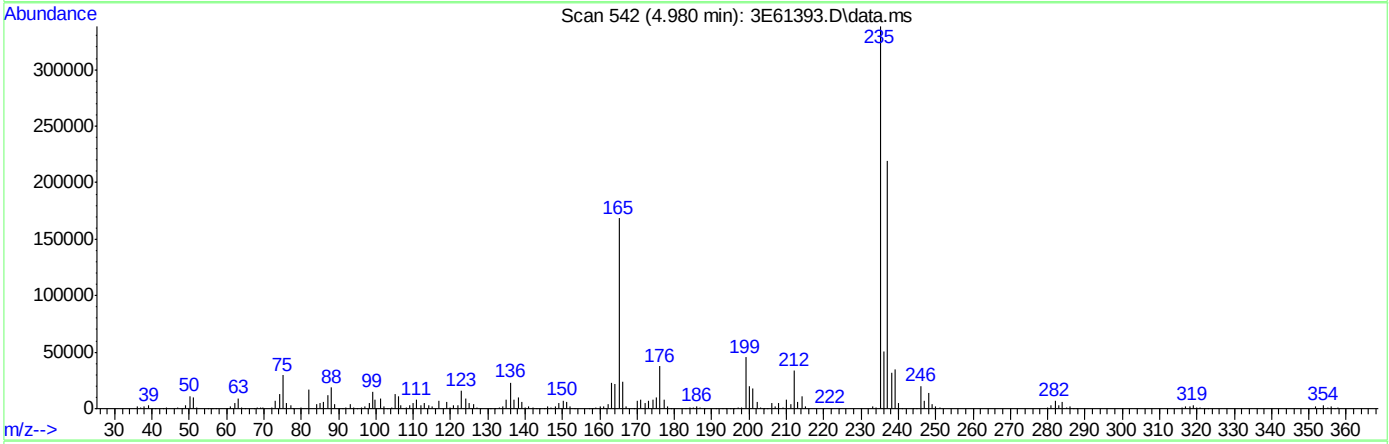
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 17:38:31 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61393.D\data.ms

(3) PP-DDT (t)

4.980min (+0.000) 55.85ppb

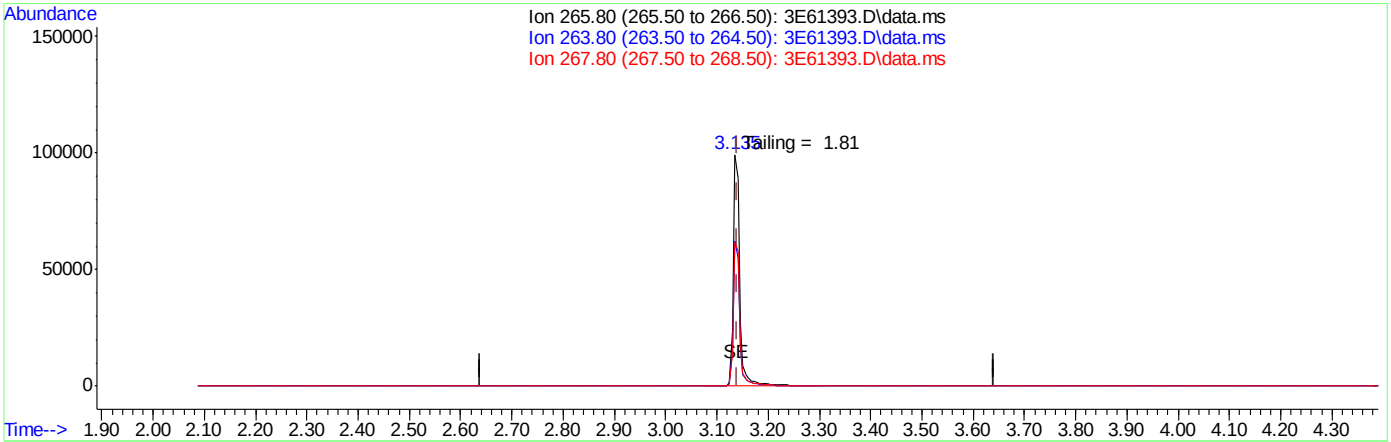
response 231879

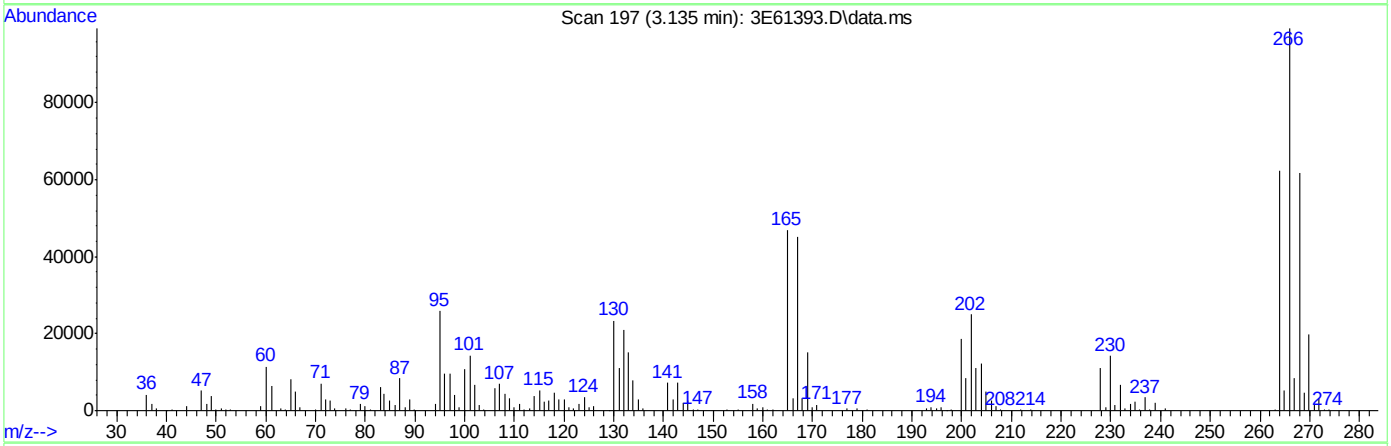
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	48.44#
237.00	0.10	65.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 17:38:31 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61393.D\data.ms

(1) Pentachlorophenol (t)

3.135min (-0.005) 56.10ppb

response 87677

Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.73
267.80	64.70	62.30
0.00	0.00	0.00

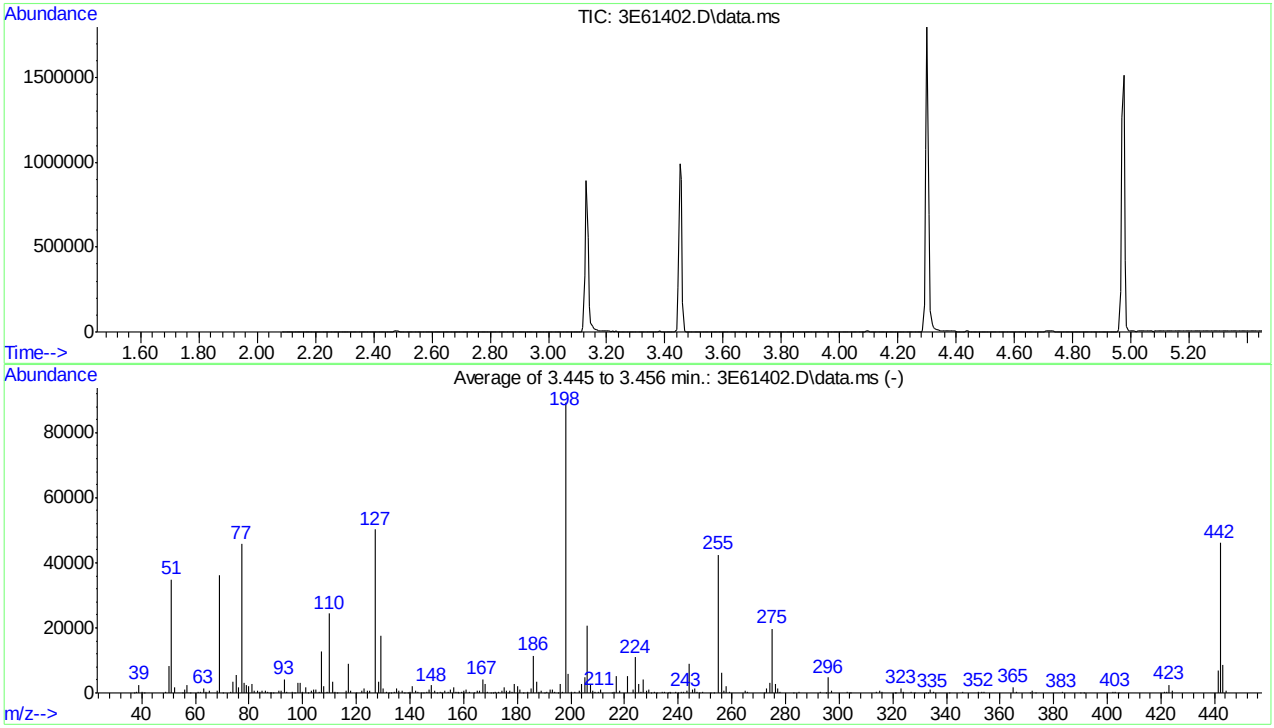
ACCUTEST LABORATORIES JB69534

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 255, 256, 257; Background Corrected with Scan 251

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.1	34890	PASS
68	69	0.00	2	1.6	573	PASS
69	198	0.00	100	40.6	36282	PASS
70	69	0.00	2	0.5	169	PASS
127	198	40	60	56.3	50290	PASS
197	198	0.00	1	0.2	210	PASS
198	198	100	100	100.0	89256	PASS
199	198	5	9	6.8	6029	PASS
275	198	10	30	22.2	19782	PASS
365	198	1	100	2.1	1874	PASS
441	443	0.10	100	77.5	6767	PASS
442	198	40	100	51.6	46063	PASS
443	442	17	23	19.0	8730	PASS

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	67	57.00	2481	74.00	3560	85.00	643
38.00	376	57.90	67	75.05	5577	86.00	865
39.05	2468	60.95	467	76.05	1904	87.00	307
40.00	211	62.00	503	77.10	45797	87.90	69
41.10	52	63.05	1420	78.10	3069	88.10	74
49.00	263	64.05	199	79.05	2470	88.90	60
50.10	8342	65.00	736	80.00	1974	91.05	614
51.10	34890	68.00	573	81.00	2844	92.00	723
52.05	1771	69.00	36282	82.00	783	93.00	4148
55.00	182	70.00	169	82.95	809	94.05	323
56.00	969	72.95	262	83.95	217	95.95	261

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	55	108.00	2084	123.00	1227	135.05	1381
98.05	3084	109.05	278	124.00	564	136.00	587
99.00	3023	110.10	24325	125.00	556	137.00	810
100.05	277	111.00	3474	127.10	50290	137.95	154
101.00	1669	112.05	443	128.10	3623	139.00	50
102.10	65	113.00	122	129.00	17613	140.05	196
103.00	530	116.00	689	130.00	1453	141.00	2201
104.00	1062	117.00	8955	131.00	316	142.05	708
105.00	928	118.00	731	132.05	161	142.95	479
106.00	316	120.05	170	132.95	127	144.00	63
107.05	12689	122.00	735	134.00	492	145.00	81

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.05	355	157.05	308	168.05	2773	178.00	252
147.00	1007	157.80	60	169.00	517	179.00	2873
148.00	2326	158.00	325	170.00	65	180.10	2169
149.05	532	159.00	234	171.00	165	181.00	1017
150.00	59	160.00	643	171.95	359	182.00	135
151.15	222	161.00	957	173.00	452	184.00	189
151.75	172	162.00	267	174.05	824	185.05	1496
153.00	613	164.00	72	175.05	1631	186.10	11498
154.00	479	165.00	760	176.05	562	187.10	3297
155.05	1135	166.00	615	176.90	116	188.00	355
156.10	1856	167.05	4269	177.05	695	189.00	618

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
189.95	107	201.50	452	216.10	377	229.95	155
191.00	278	203.00	592	217.00	5151	231.05	387
192.05	950	204.10	2833	218.00	650	232.00	50
193.10	1082	205.10	4733	221.05	5205	234.00	251
193.95	190	206.10	20670	223.00	1159	235.00	242
195.05	114	207.10	2903	224.10	11016	236.00	155
196.00	2680	208.10	702	225.10	2806	236.80	51
197.00	210	208.95	185	226.10	283	237.05	367
198.00	89256	210.10	194	227.10	4276	239.05	184
199.00	6029	211.00	892	228.05	565	240.05	108
200.05	499	215.00	173	229.05	967	241.05	267

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.00	507	256.10	6248	277.05	1402	314.00	220
243.05	628	257.05	537	278.00	195	314.95	540
244.10	9120	258.00	2218	283.00	166	316.00	339
245.10	1173	259.00	337	285.10	281	320.90	59

dftpp3e.M Thu Jun 05 15:49:58 2014 MS3E

ACCUTEST LABORATORIES
JB69534

246.00	1448	265.00	845	293.00	319	321.10	111
247.00	288	265.90	189	294.90	50	323.05	1532
248.00	114	271.90	51	296.05	4724	324.00	312
248.95	274	273.05	1408	297.05	687	326.95	255
251.90	54	274.05	3250	302.95	501	328.05	136
253.05	151	275.10	19782	303.90	65	332.05	131
255.10	42462	276.10	2756	304.10	67	333.05	133

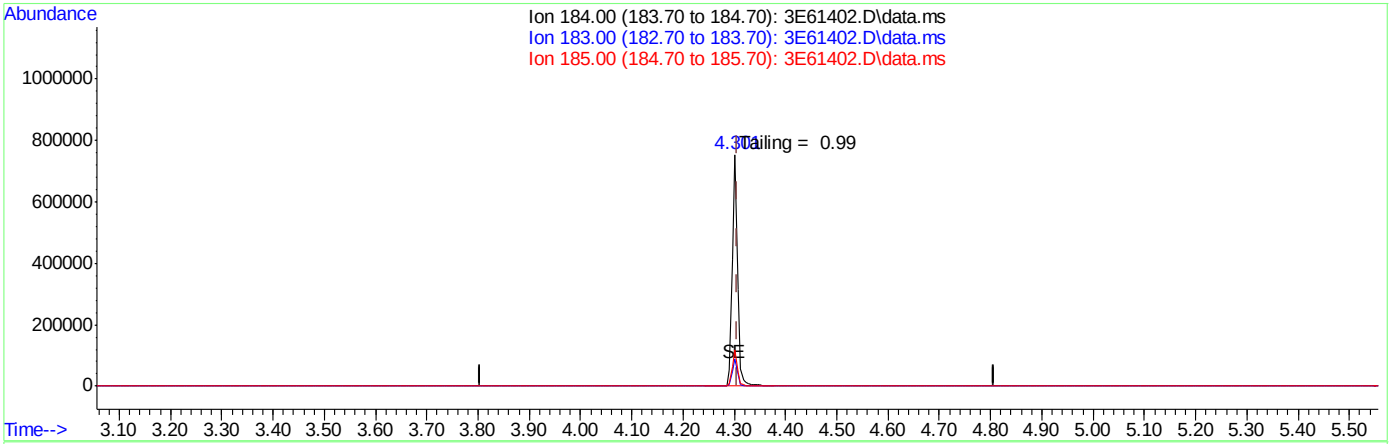
Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

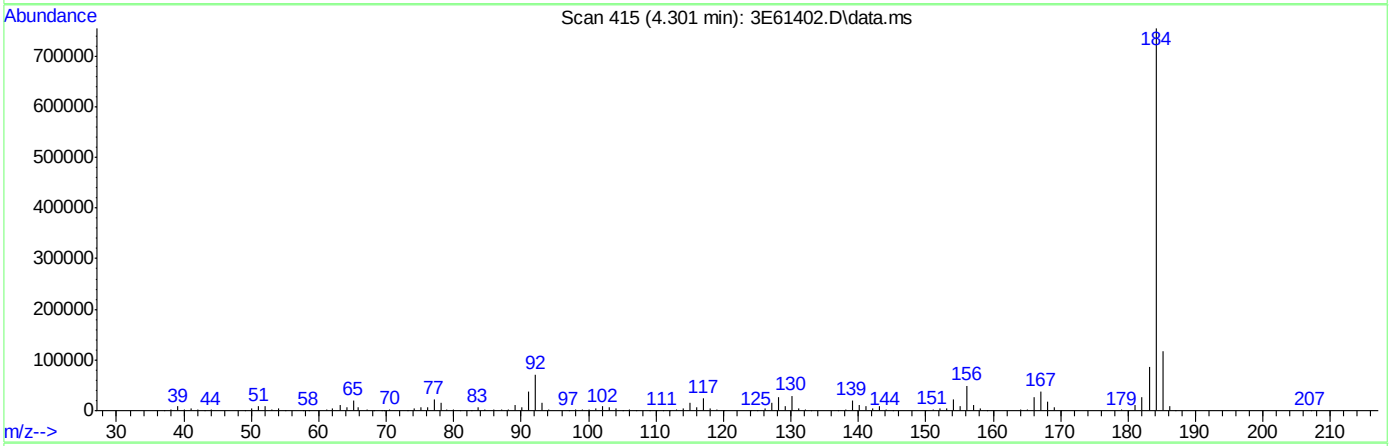
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.05	942	373.00	150	441.10	6767		
335.05	252	383.00	221	442.10	46063		
341.00	148	390.00	63	443.10	8730		
345.95	302	391.10	58	444.05	735		
352.05	500	402.00	293				
353.05	259	403.05	375				
354.00	475	404.00	78				
365.00	1874	421.05	304				
365.95	236	422.00	344				
371.00	115	423.10	2582				
372.05	695	424.05	559				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 21:49:59 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(2) Benzidine (t)

4.301min (-0.005) 51.07ppb

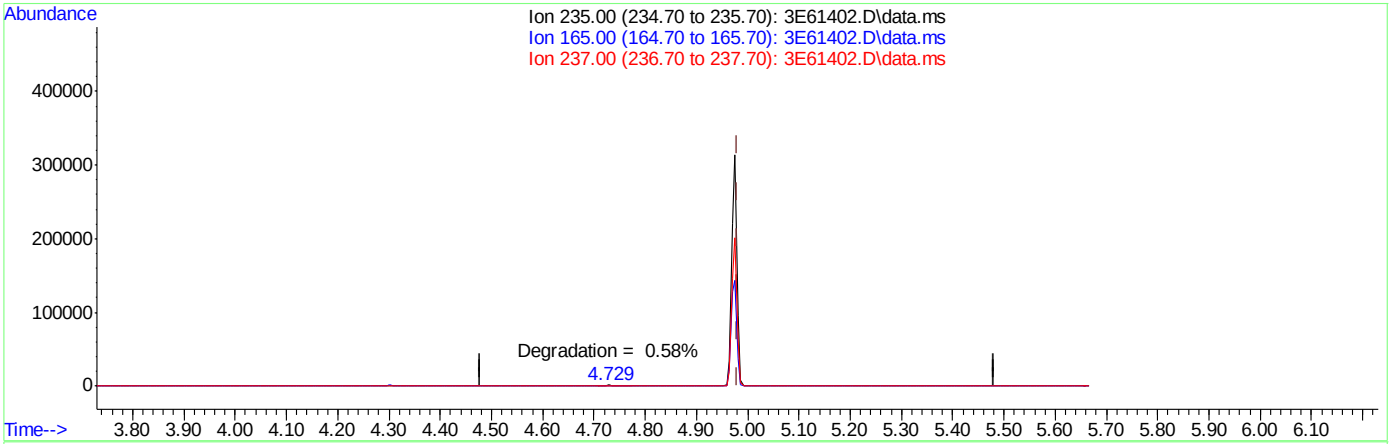
response 536260

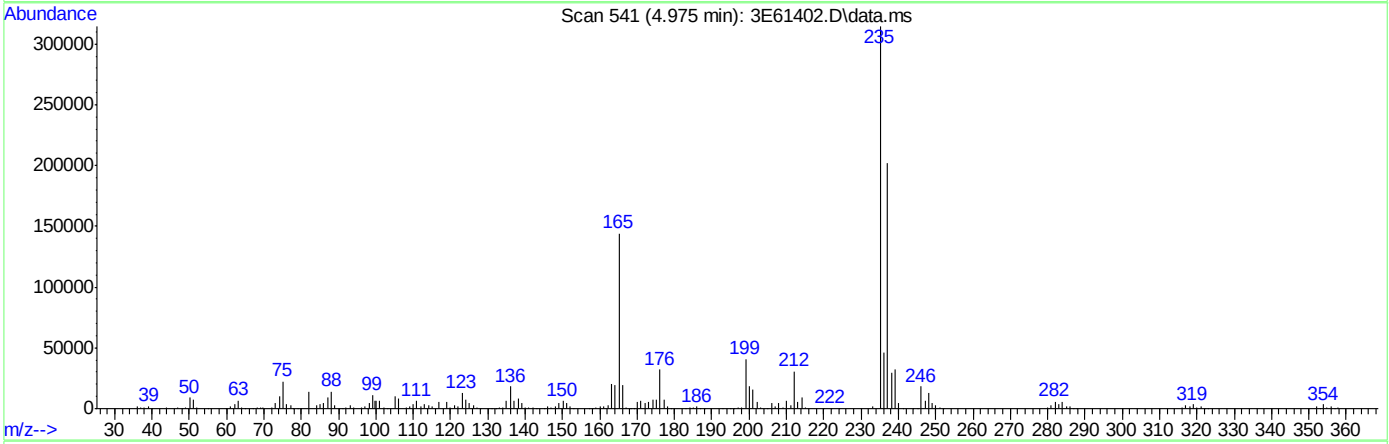
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.58
185.00	15.40	15.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 21:49:59 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(3) PP-DDT (t)

4.975min (-0.005) 52.25ppb

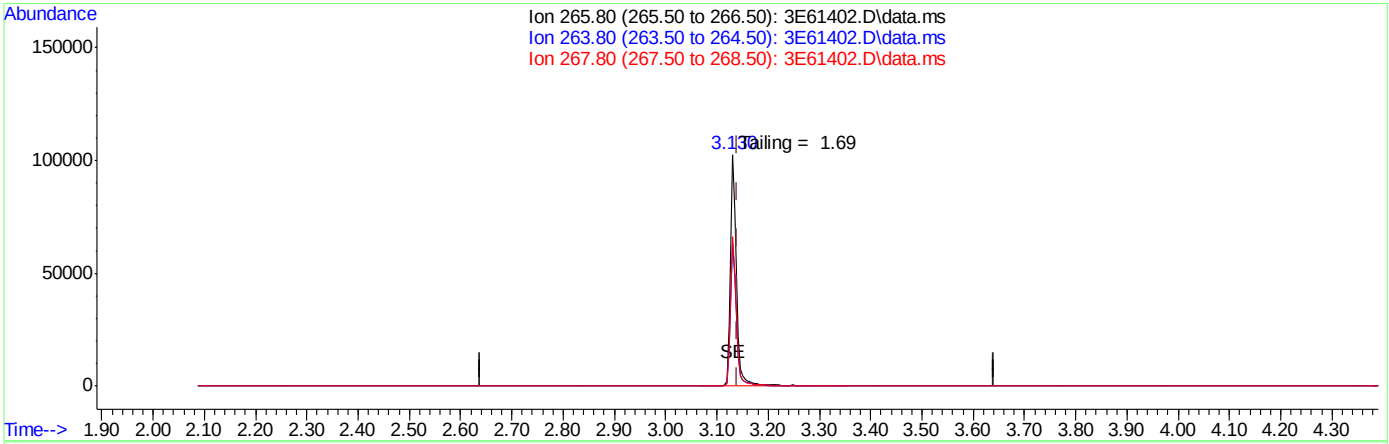
response 216914

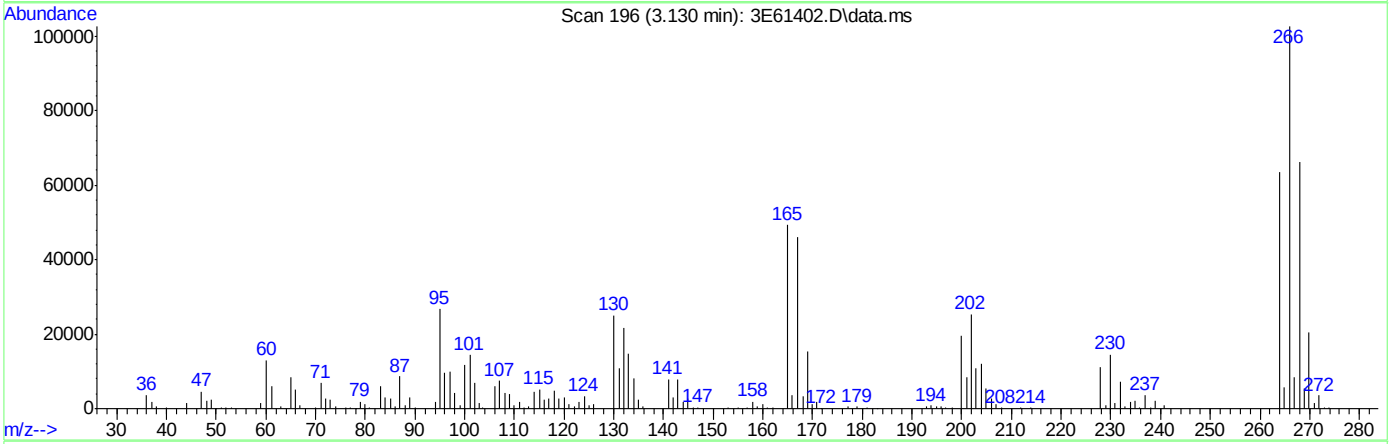
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	49.93#
237.00	0.10	64.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 09:21:08 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(1) Pentachlorophenol (t)

3.130min (-0.010) 53.39ppb

response 83436

Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.99
267.80	64.70	64.54
0.00	0.00	0.00

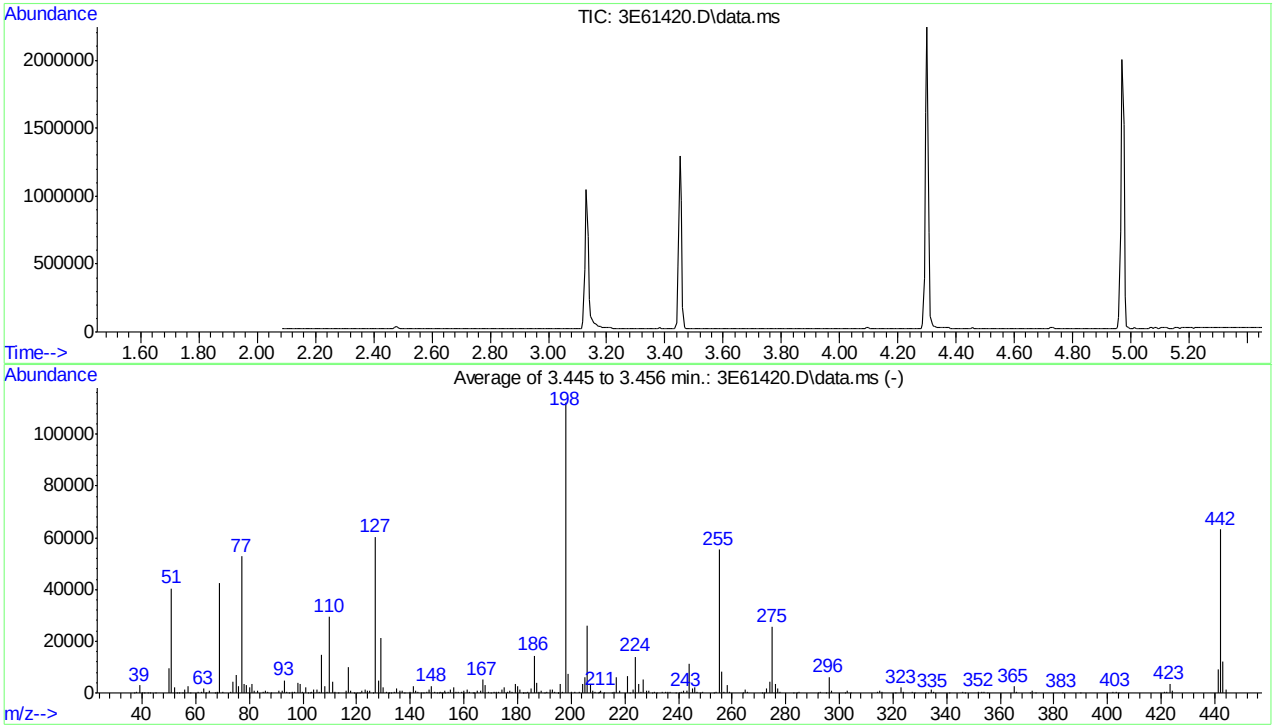
ACCUTEST LABORATORIES JB69534

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 255, 256, 257; Background Corrected with Scan 251

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.0	40405	PASS
68	69	0.00	2	1.4	583	PASS
69	198	0.00	100	37.8	42426	PASS
70	69	0.00	2	0.9	395	PASS
127	198	40	60	53.8	60445	PASS
197	198	0.00	1	0.5	543	PASS
198	198	100	100	100.0	112290	PASS
199	198	5	9	6.7	7568	PASS
275	198	10	30	22.6	25430	PASS
365	198	1	100	2.2	2418	PASS
441	443	0.10	100	77.1	9330	PASS
442	198	40	100	56.2	63104	PASS
443	442	17	23	19.2	12107	PASS

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.90	93	53.05	131	67.00	208	79.00	2857
38.00	456	54.00	52	67.90	158	80.00	2291
39.00	2832	55.00	158	68.10	583	81.00	3385
39.95	104	56.00	1108	69.00	42426	82.00	971
41.00	43	57.00	2818	70.00	395	83.00	898
42.00	53	58.00	82	73.00	268	84.95	603
43.05	10	61.05	555	74.00	4205	85.95	679
44.95	33	62.00	553	75.00	6773	87.00	505
50.05	9614	63.00	1710	76.10	2426	87.90	67
51.05	40405	64.00	226	77.10	52848	91.00	760
52.00	2238	65.00	888	78.10	3567	92.05	813

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	4972	103.05	461	116.00	780	127.05	60445
93.95	404	104.00	1138	117.05	10157	128.05	4675
94.95	63	105.00	1281	117.95	825	129.00	21255
96.05	360	106.00	388	119.00	68	130.00	1997
97.05	291	107.05	14966	120.05	209	131.00	385
98.00	3788	108.00	2587	121.00	62	131.80	59
99.00	3394	109.05	443	121.95	916	132.05	186
99.95	364	110.00	29328	123.00	1485	132.80	112
101.00	2172	111.05	4382	124.00	720	134.00	497
102.00	72	112.00	596	124.95	747	135.00	1787
102.80	132	112.95	144	126.05	178	136.00	715

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1011	149.00	642	157.05	459	168.05	3001
137.90	174	150.00	146	157.95	425	168.95	484
140.00	262	150.90	59	159.05	420	170.05	165
141.00	2548	151.10	267	159.95	778	171.05	246
142.05	815	151.75	139	161.05	1171	172.00	480
143.00	608	152.00	117	162.00	283	173.05	577
143.90	166	152.90	159	163.10	61	174.10	1101
145.05	184	153.05	665	163.90	135	175.05	2010
146.00	438	154.00	604	165.00	946	176.05	598
147.00	1293	155.00	1463	166.05	760	177.00	830
148.00	2764	156.05	2324	167.05	5055	177.95	249

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
179.00	3668	188.95	876	199.00	7568	210.40	247
180.05	2645	189.90	65	200.00	549	211.05	1050
181.05	1302	191.00	382	201.45	609	212.00	74
181.90	60	192.00	1112	203.00	655	215.05	208
182.15	141	193.05	1217	204.10	3636	216.05	535
182.90	60	193.95	276	205.10	5954	217.00	6151
183.95	325	195.00	154	206.10	25868	218.00	918
185.10	1935	195.20	63	207.10	3397	221.05	6454
186.10	14505	196.00	3492	208.05	860	221.90	145
187.10	4079	196.85	543	209.05	301	223.05	1387
188.00	430	198.00	112290	210.10	70	224.10	13978

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
225.10	3519	237.00	449	249.05	380	271.00	75
226.00	374	239.00	192	253.00	208	271.95	126
227.00	5199	240.00	171	254.05	341	273.00	1860
228.00	721	241.00	304	255.10	55346	274.10	4442

dftpp3e.M Tue Jun 10 08:43:00 2014 MS3E

229.00	1059	242.00	700	256.10	8186	275.10	25430
230.00	169	243.10	831	257.00	600	276.00	3368
231.00	474	244.10	11378	258.00	2836	277.00	1961
231.90	70	245.10	1542	259.10	491	278.00	287
233.95	297	246.00	1974	263.85	127	283.00	182
235.00	340	247.00	315	265.00	1144	284.05	141
236.00	253	248.00	137	265.90	334	285.05	340

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
292.10	60	321.00	184	346.90	51	389.95	117
293.00	415	323.10	2100	352.00	589	402.00	386
295.00	105	324.00	324	353.05	471	403.00	547
296.00	6240	327.00	319	354.00	583	403.95	154
297.00	840	328.00	219	355.00	115	421.00	481
302.00	53	331.95	152	365.00	2418	422.05	372
303.05	802	333.00	176	366.00	358	423.10	3358
303.95	160	334.10	1238	371.00	142	424.05	740
314.00	290	335.05	318	372.05	981	441.05	9330
315.00	697	341.00	198	373.05	221	442.10	63104
316.05	373	346.00	435	382.95	206	443.10	12107

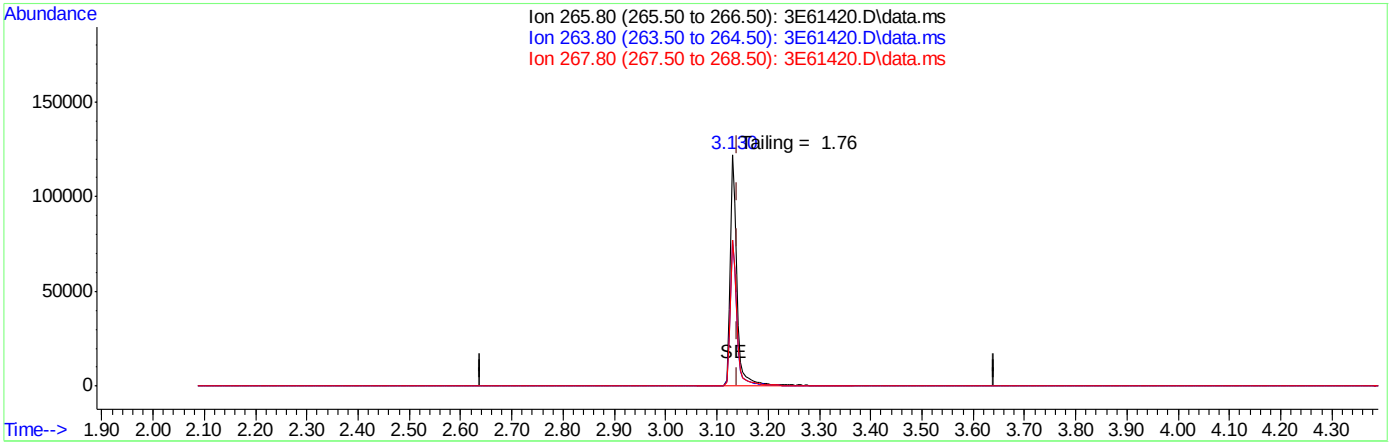
Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

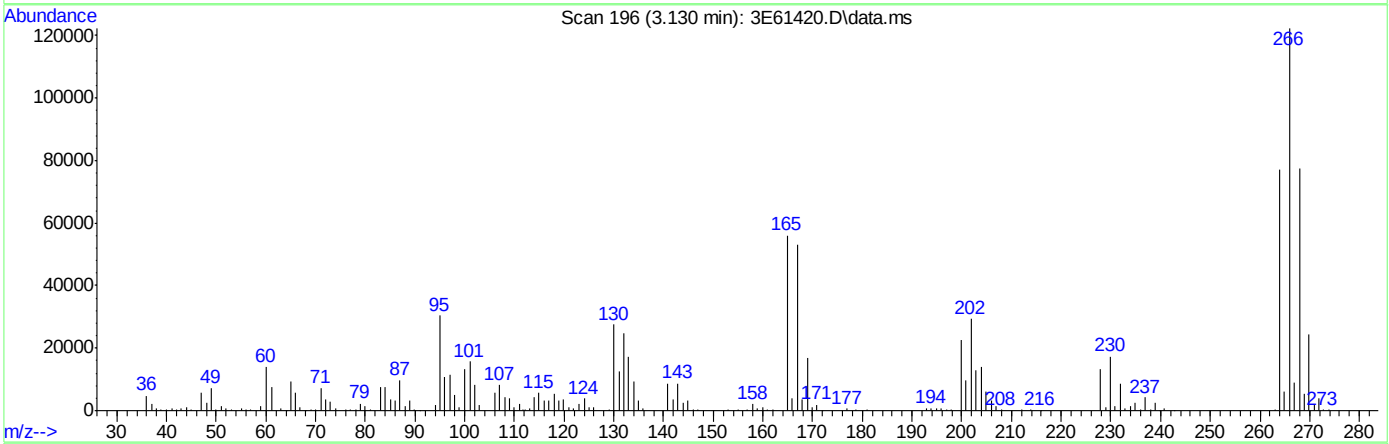
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.00	1101						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(1) Pentachlorophenol (t)

3.130min (-0.010) 71.06ppb

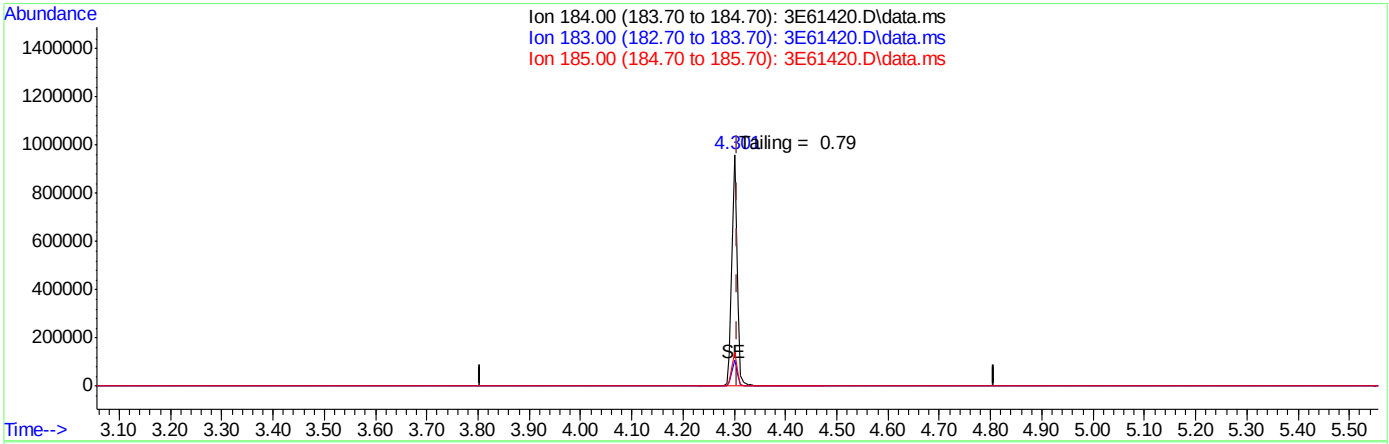
response 111059

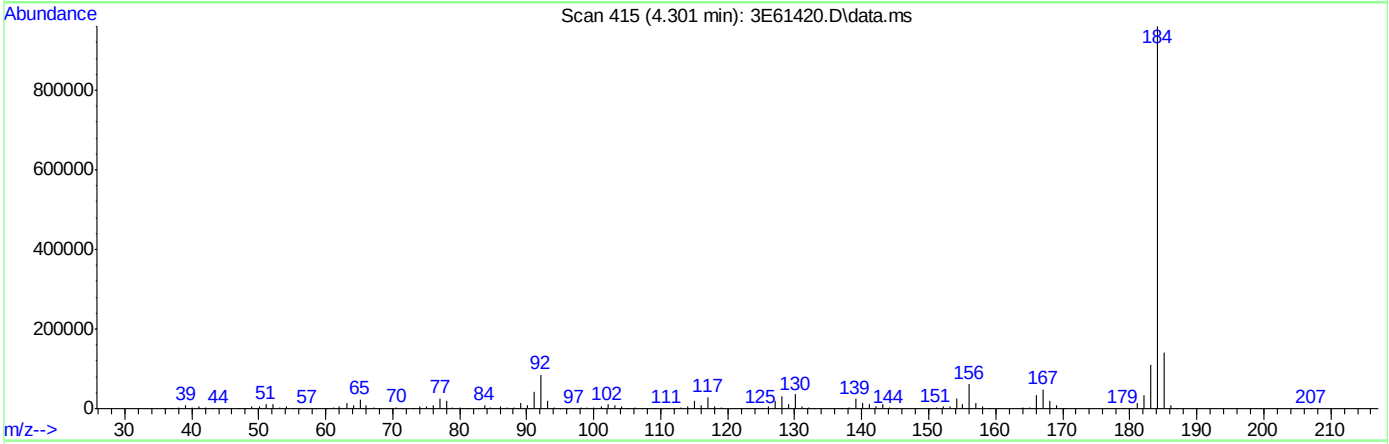
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.92
267.80	64.70	63.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(2) Benzidine (t)

4.301min (-0.005) 66.57ppb

response 698996

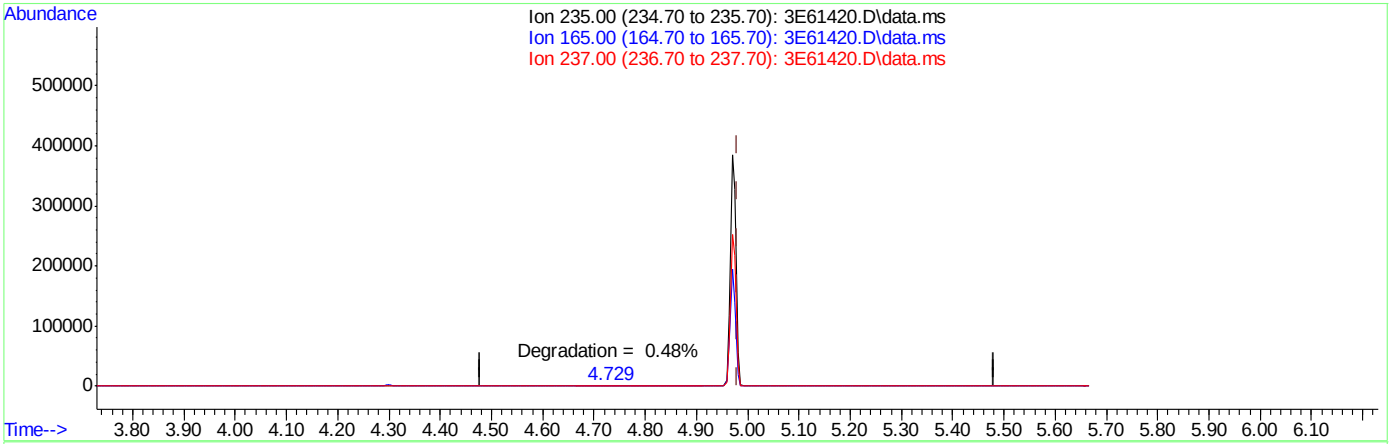
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.53
185.00	15.40	14.68
0.00	0.00	0.00

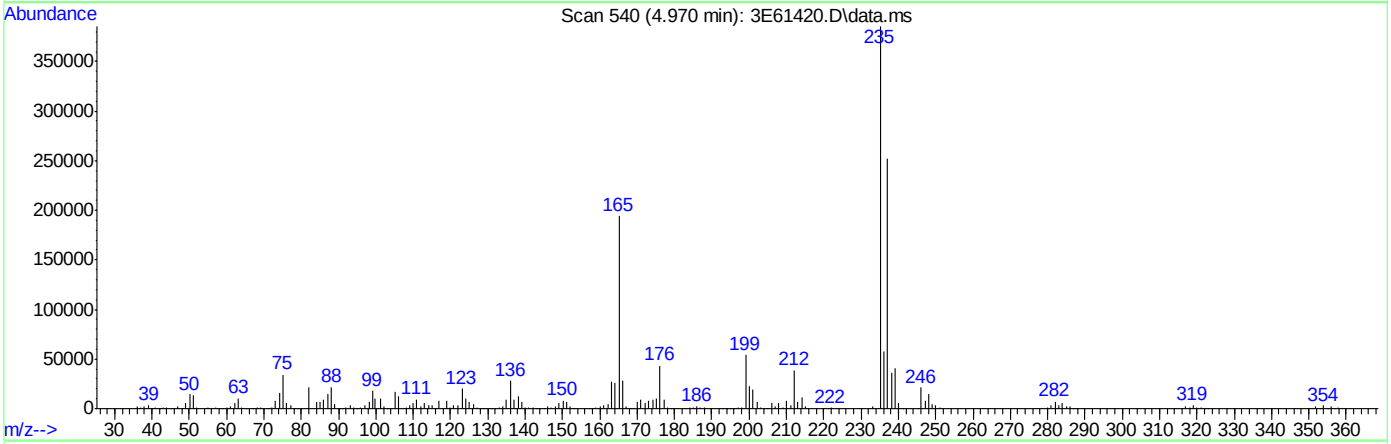
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(3) PP-DDT (t)

4.970min (-0.010) 69.67ppb

response 289257

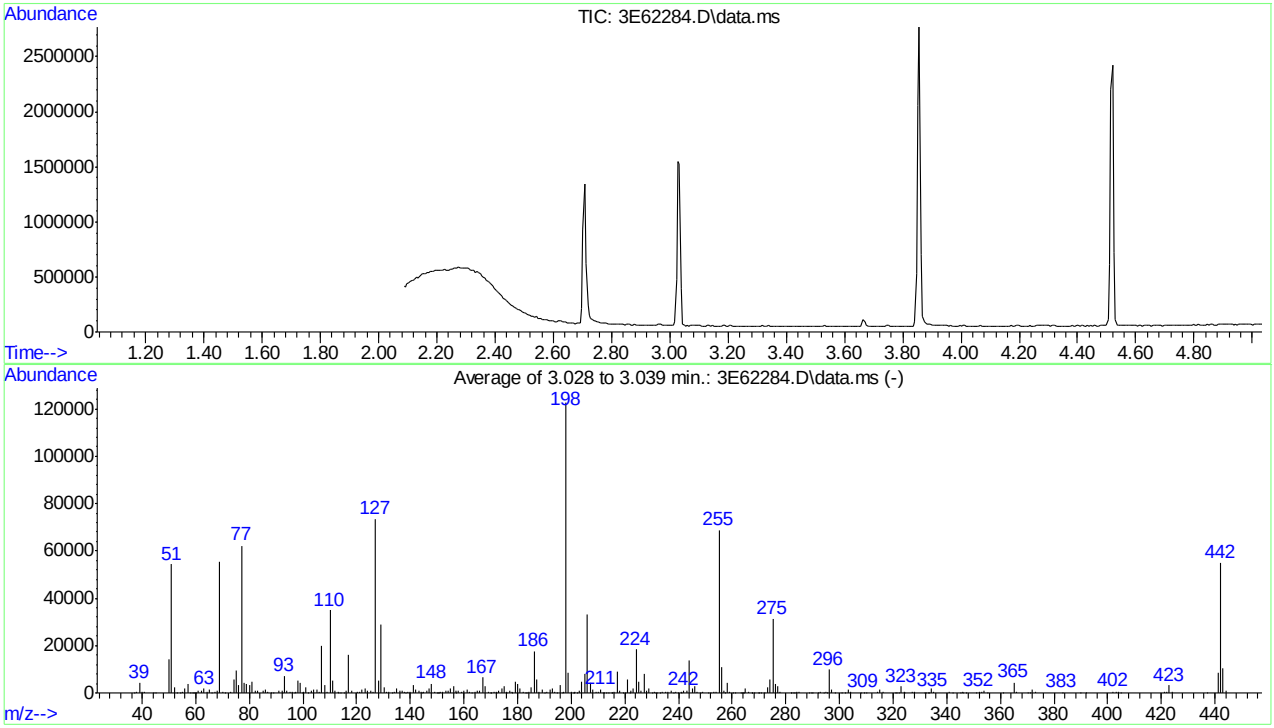
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	48.22#
237.00	0.10	65.53#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62284.D
Acq On : 19 Jun 2014 11:26 am
Operator : olgaa
Sample : dftpp
Misc : op75640,e3e2669,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
Last Update : Fri Jun 13 14:27:24 2014



AutoFind: Scans 177, 178, 179; 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	44.3	54369	PASS
68	69	0.00	2	1.5	808	PASS
69	198	0.00	100	45.0	55228	PASS
70	69	0.00	2	0.5	294	PASS
127	198	40	60	60.0	73552	PASS
197	198	0.00	1	0.4	440	PASS
198	198	100	100	100.0	122666	PASS
199	198	5	9	7.1	8663	PASS
275	198	10	30	25.4	31171	PASS
365	198	1	100	3.5	4312	PASS
441	443	0.10	100	80.7	8418	PASS
442	198	40	100	44.7	54845	PASS
443	442	17	23	19.0	10432	PASS

Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.85	215	54.00	168	63.00	1733	75.00	9471
37.95	602	55.00	461	64.05	362	76.05	3485
39.00	4172	56.00	1734	65.00	1271	77.05	62266
39.95	306	57.00	3996	66.05	87	77.95	4142
41.00	401	58.00	140	67.05	274	79.00	3716
43.95	198	58.70	95	68.00	808	80.00	3458
44.90	142	59.05	199	69.00	55228	81.00	4619
50.00	14354	59.80	212	70.05	294	82.00	1066
51.00	54369	60.10	73	71.05	12	83.00	893
52.00	2582	61.05	729	73.00	579	85.05	924
52.80	170	61.95	1023	74.05	5772	85.95	1524

Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.95	499	97.20	284	107.00	19937	117.00	15901
87.90	199	98.00	5263	107.95	3328	118.00	999
89.00	15	99.00	4116	109.10	558	120.05	411
91.00	931	99.70	123	110.00	34976	121.05	435
92.00	1173	100.05	271	111.00	5220	122.00	1303
92.30	114	101.00	2596	112.00	748	123.00	1895
93.00	7308	101.95	209	113.05	345	124.00	938
94.00	742	103.00	1055	113.30	72	125.05	865
94.95	578	104.00	1426	114.05	133	126.10	268
96.05	371	105.00	1349	115.00	45	127.00	73552
97.00	74	105.90	479	115.95	1073	128.00	5400

Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.00	28905	139.10	313	149.00	684	157.20	102
130.05	2189	139.95	443	149.90	201	158.00	807
131.00	477	141.00	3384	150.20	96	159.00	530
132.05	348	142.00	1507	150.90	63	159.95	1100
133.20	152	143.00	866	151.15	315	161.05	1226
133.95	631	144.00	306	152.05	505	162.00	409
135.00	1785	144.30	71	153.10	1180	163.00	93
136.00	853	144.90	371	153.95	970	164.00	363
137.00	993	146.00	767	155.00	1968	164.95	1135
137.80	356	147.00	1688	156.00	3044	165.95	953
138.00	59	148.00	3879	156.95	765	167.00	6501

Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.00	2909	176.00	642	185.05	2567	196.05	3483
169.05	681	177.05	1196	186.10	17766	196.80	129
169.85	190	177.90	262	187.10	5482	197.10	440
170.10	153	178.10	156	188.00	663	198.00	122666
171.10	346	179.00	4807	189.00	1220	199.00	8663
171.90	352	180.00	3795	189.95	199	200.05	717
172.10	248	180.95	1724	191.05	677	200.80	76
173.00	753	182.05	330	192.05	1599	201.00	116
174.00	1717	182.90	235	193.10	1734	201.50	430
175.05	2648	183.50	115	193.95	430	202.00	246
175.60	52	184.05	379	194.80	99	203.00	957

Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
204.00	4624	214.00	50	223.00	1860	233.00	173
205.10	8059	214.90	190	224.10	18343	234.00	504
206.10	33125	215.10	180	225.10	4693	235.00	572
207.05	4418	215.95	630	226.00	746	235.95	507

dftpp3e.M Mon Jun 23 17:04:44 2014 MS3E

208.00	1304	217.00	9118	227.05	8300	237.05	794
209.05	357	218.00	1160	228.00	1061	238.20	77
209.95	466	219.15	192	229.00	1967	239.00	306
211.05	1552	220.10	193	230.10	213	239.90	69
211.80	122	221.00	5477	230.95	510	240.90	153
212.20	155	221.70	187	231.20	228	241.15	392
212.90	56	222.00	730	232.00	139	242.00	1031

Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
243.00	945	255.05	68685	264.30	75	274.10	5599
244.10	13530	256.05	10811	265.00	1732	275.10	31171
245.05	2138	256.95	785	266.00	446	276.10	3837
246.10	2682	257.20	66	267.20	92	277.00	2868
247.00	642	258.00	4325	267.55	135	278.00	427
248.05	186	259.05	688	268.00	54	281.80	55
249.00	498	260.05	144	269.70	50	282.00	79
250.85	162	261.05	154	270.00	58	282.80	109
251.90	166	263.00	54	270.90	177	283.10	137
253.10	421	263.70	202	272.15	215	284.05	262
254.10	291	263.90	158	273.00	2181	285.05	575

Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
288.80	121	300.85	176	321.20	139	334.10	1985
289.70	61	302.00	138	322.00	59	335.05	517
290.00	51	303.10	1273	323.10	2695	341.00	274
292.10	127	304.05	401	324.10	450	342.10	62
292.95	700	308.10	75	324.30	54	345.20	53
293.95	215	309.10	121	327.10	661	345.80	54
294.95	269	310.00	89	328.00	324	346.05	600
295.20	75	314.05	580	331.90	80	347.10	90
296.00	9866	315.00	1269	332.10	134	351.10	73
297.10	1394	316.05	660	333.00	247	352.05	705
298.10	75	320.90	163	333.20	60	353.00	592

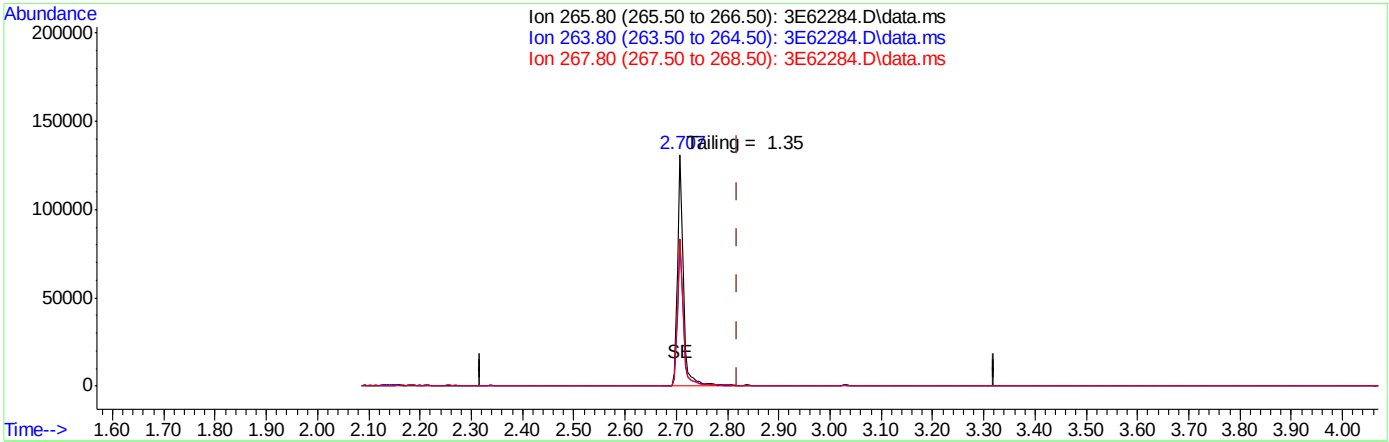
Average of 3.028 to 3.039 min.: 3E62284.D\data.ms
dftpp
Modified:subtracted

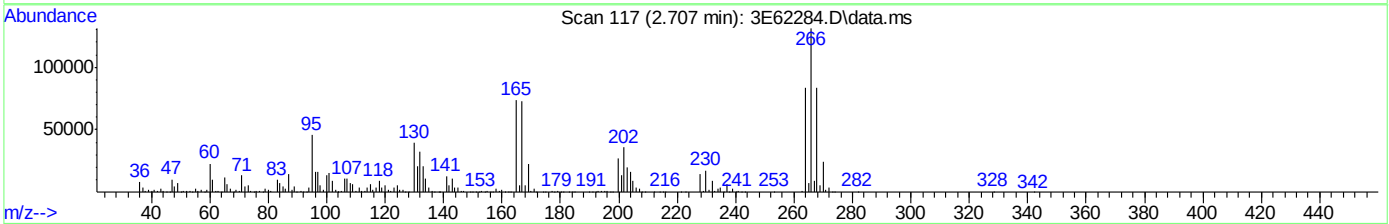
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
354.05	768	391.90	79	442.10	54845		
355.05	146	402.05	558	443.10	10432		
361.00	58	403.05	495	444.00	874		
365.05	4312	404.05	278				
365.90	586	404.90	68				
370.00	70	421.00	543				
371.00	201	421.95	378				
372.00	1285	423.00	3138				
373.10	333	424.10	660				
382.95	199	437.10	50				
390.00	84	441.10	8418				

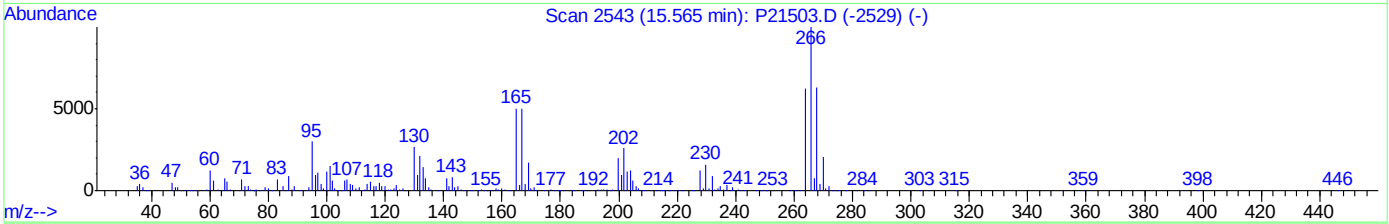
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62284.D
Acq On : 19 Jun 2014 11:26 am
Operator : olgaa
Sample : dftpp
Misc : op75640,e3e2669,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 11:41:36 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration







TIC: 3E62284.D\data.ms

(1) Pentachlorophenol (t)

2.707min (-0.112) 67.15ppb

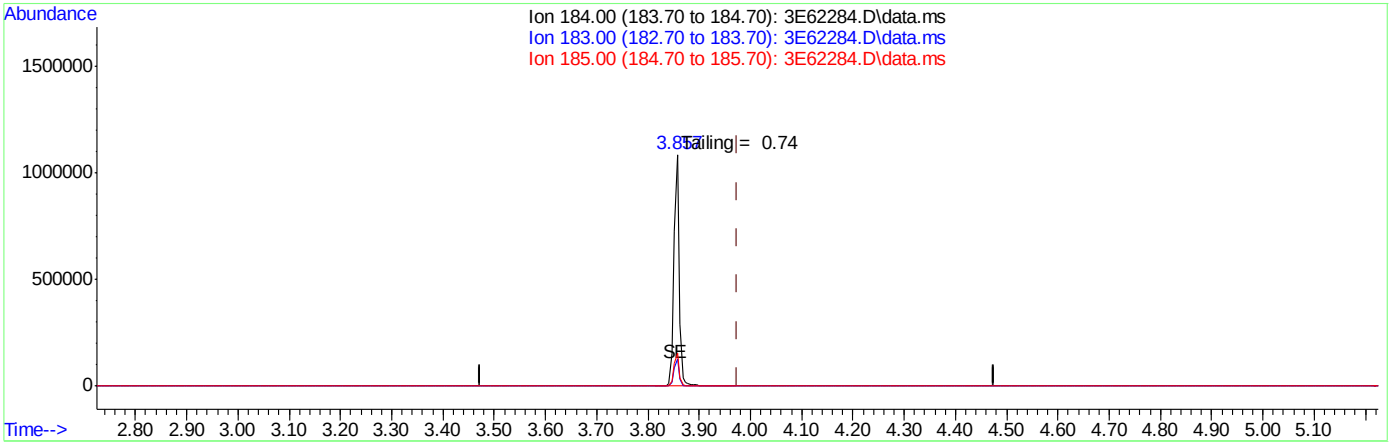
response 104938

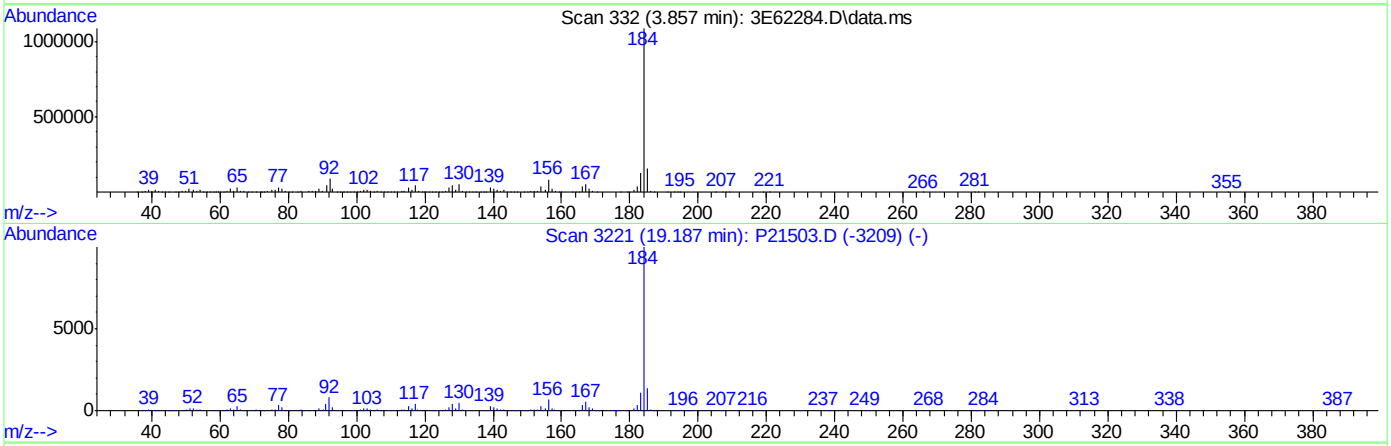
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	63.38
267.80	64.70	63.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62284.D
Acq On : 19 Jun 2014 11:26 am
Operator : olgaa
Sample : dftpp
Misc : op75640,e3e2669,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 11:41:36 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62284.D\data.ms

(2) Benzidine (t)

3.857min (-0.118) 72.95ppb

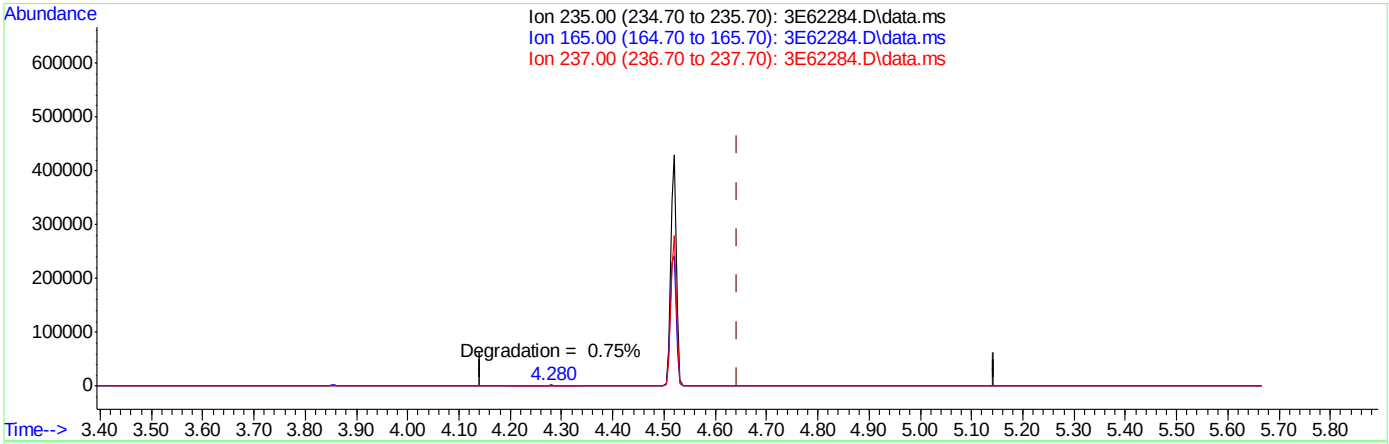
response 766074

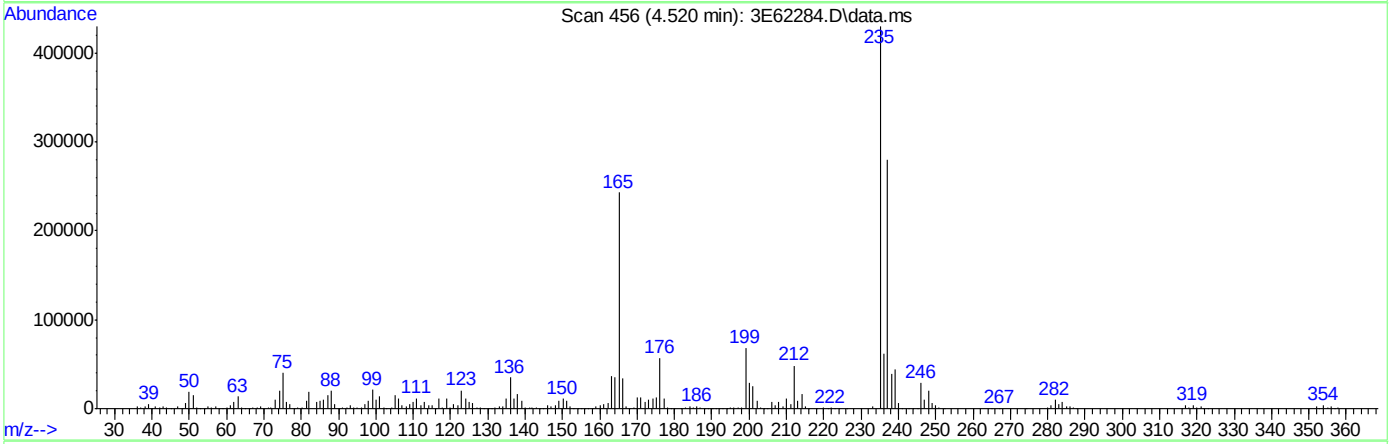
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.55
185.00	15.40	14.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62284.D
Acq On : 19 Jun 2014 11:26 am
Operator : olgaa
Sample : dftpp
Misc : op75640,e3e2669,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 11:41:36 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62284.D\data.ms

(3) PP-DDT (t)

4.520min (-0.123) 76.72ppb

response 318492

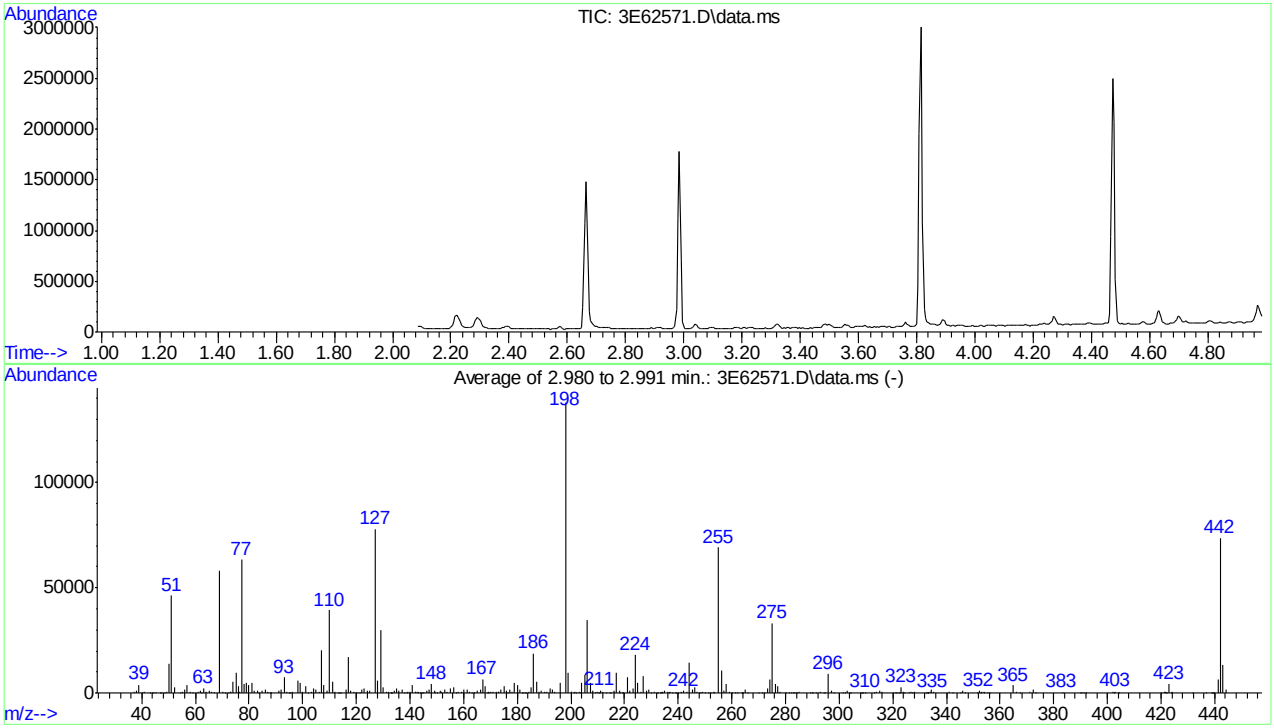
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	61.14#
237.00	0.10	64.92#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
Last Update : Fri Jun 27 13:34:21 2014



AutoFind: Scans 168, 169, 170; Background Corrected with Scan 163

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.4	46152	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.3	58366	PASS
70	69	0.00	2	0.8	451	PASS
127	198	40	60	56.4	77938	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	138122	PASS
199	198	5	9	6.9	9547	PASS
275	198	10	30	24.0	33120	PASS
365	198	1	100	2.6	3637	PASS
441	443	0.10	100	49.6	6637	PASS
442	198	40	100	53.4	73778	PASS
443	442	17	23	18.1	13390	PASS

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	444	48.30	74	61.15	816	72.10	94
38.10	860	49.15	576	62.00	852	73.00	354
39.05	3955	50.05	14144	62.20	75	73.20	358
39.90	225	51.05	46152	63.00	2234	74.10	5532
41.05	347	52.05	2611	64.00	358	75.05	9802
43.00	208	54.30	54	65.05	1041	76.10	3143
43.90	1	55.05	513	66.00	299	76.30	585
44.20	94	56.05	1791	67.00	59	77.10	63398
45.10	86	57.00	3664	69.00	58366	78.00	4486
46.60	56	58.00	477	70.00	451	78.95	4656
47.00	53	59.05	160	71.00	287	80.00	3838

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.05	4577	93.00	7218	104.00	2105	114.20	232
82.05	980	94.00	345	105.00	1756	116.10	1659
83.00	1122	95.00	80	106.20	306	116.95	17306
83.70	126	95.20	204	107.00	20332	118.00	1189
85.00	1080	96.15	376	108.00	3720	119.00	441
86.00	1493	98.00	6052	108.95	872	119.90	178
86.95	542	99.00	4762	110.00	39306	120.05	18
87.95	273	100.00	678	111.05	5485	121.10	252
88.20	139	101.00	2957	111.95	489	122.00	1671
91.00	1203	101.90	35	113.10	12	123.00	2331
92.00	1630	103.05	777	113.70	91	124.05	1198

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.00	873	135.00	2380	143.00	479	151.10	873
127.05	77938	136.00	840	143.90	247	151.85	438
128.05	6117	136.95	1357	144.20	96	152.95	1407
129.00	30136	137.95	229	144.60	86	153.90	808
130.05	2497	138.70	52	145.05	201	155.05	2159
131.05	371	139.05	294	146.05	911	156.10	2932
132.10	433	139.90	631	146.95	1809	157.15	285
132.80	240	140.95	3695	147.95	4116	157.95	733
133.00	244	141.90	642	149.00	839	159.05	795
133.20	129	142.10	412	149.20	190	160.00	1461
134.10	955	142.80	239	150.05	177	161.10	1464

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
161.95	518	169.90	318	179.00	5041	188.10	578
163.10	82	170.85	356	180.00	3894	189.00	1324
163.70	84	172.00	789	181.00	1711	189.95	311
164.00	17	172.90	569	181.80	194	191.00	698
165.00	1218	173.15	488	182.05	185	192.05	2185
166.15	1434	174.00	1487	182.90	61	193.05	1801
167.05	6523	175.10	3269	183.15	220	194.05	609
168.00	3307	175.95	1085	184.15	678	196.05	4577
168.80	87	176.20	258	185.00	2772	198.00	138122
169.05	595	177.05	1581	186.10	18910	199.00	9547
169.30	68	178.00	377	187.05	5333	200.00	400

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
200.20	374	208.95	265	218.00	1080	228.00	1135
200.95	255	209.90	311	218.20	213	229.10	1634
201.40	329	210.30	162	218.90	51	230.00	172
201.65	218	210.70	240	219.25	194	231.05	793

dftpp3e.M Fri Jun 27 13:55:46 2014 MS3E

203.00	712	211.00	1110	221.05	7489	232.10	74
203.30	235	211.75	561	221.95	885	232.30	88
204.00	4846	213.10	108	223.05	2128	233.00	19
205.10	8489	214.30	50	224.05	18059	233.60	74
206.10	34826	214.90	100	225.00	4947	233.90	147
207.10	4871	216.05	1050	226.20	303	234.10	374
208.05	1328	217.00	9450	227.00	8014	235.00	829

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.95	378	245.10	1733	255.05	69232	265.00	1792
236.50	63	246.05	2899	256.10	10669	265.95	152
237.10	764	247.05	578	257.05	888	269.90	69
237.70	118	247.95	148	258.00	4181	271.00	153
238.90	143	248.20	89	259.10	656	272.00	128
239.10	276	249.05	619	259.80	82	273.10	2102
240.05	217	249.90	142	261.10	85	274.10	6249
241.00	470	251.00	264	261.80	66	275.05	33120
242.05	973	251.80	116	263.60	69	276.05	4302
243.05	794	253.05	330	263.85	139	277.05	2987
244.10	14163	253.40	118	264.10	118	278.05	377

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
280.00	50	291.30	72	304.35	122	321.30	118
281.05	156	293.10	726	307.80	112	322.00	71
282.10	117	294.00	137	308.30	54	322.40	154
282.70	96	294.60	52	309.00	91	323.05	2940
283.05	281	296.05	8960	309.85	115	324.00	529
283.80	50	296.95	1329	313.00	54	324.20	196
284.00	74	298.00	63	313.95	462	325.80	66
285.05	538	301.10	55	314.95	1104	326.85	611
289.00	63	302.15	160	316.05	656	327.30	221
289.80	60	303.05	1082	320.10	65	328.00	356
290.10	112	303.90	274	321.05	146	332.05	193

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
332.80	88	351.30	50	371.05	485	403.90	127
333.10	70	352.10	1006	372.15	1446	404.15	215
333.25	212	352.90	114	373.05	242	419.90	56
333.90	440	353.05	404	383.05	217	421.10	647
334.10	1368	354.00	74	389.95	167	421.50	101
335.05	438	354.15	734	390.40	91	421.85	381
340.95	405	355.00	100	391.20	148	422.10	217
342.20	53	356.10	57	392.00	142	423.05	4132
345.10	53	365.00	3637	401.95	611	423.80	85
346.00	885	365.95	491	402.40	253	424.05	803
346.90	62	367.40	65	403.00	821	431.70	50

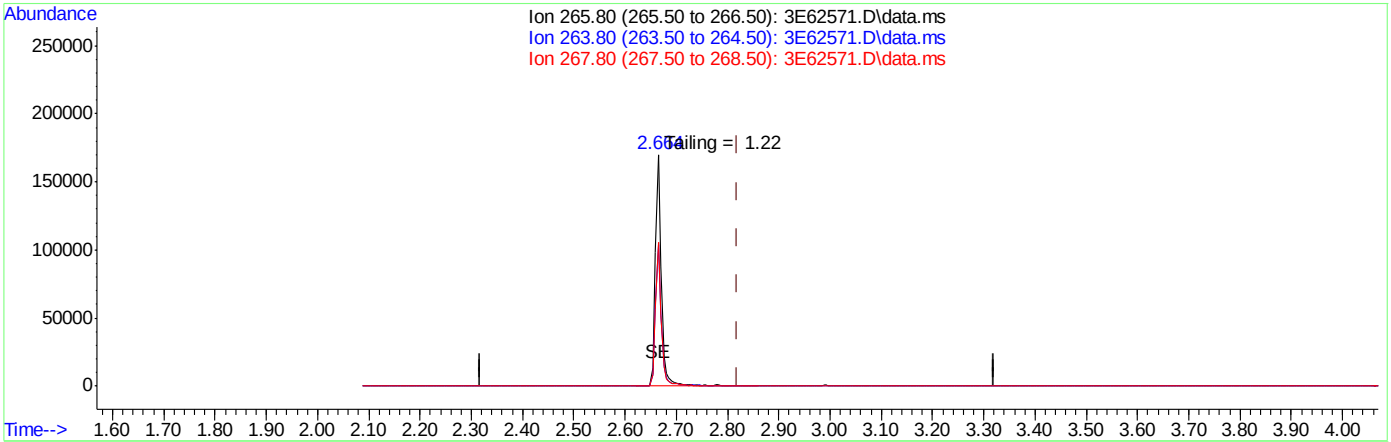
Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

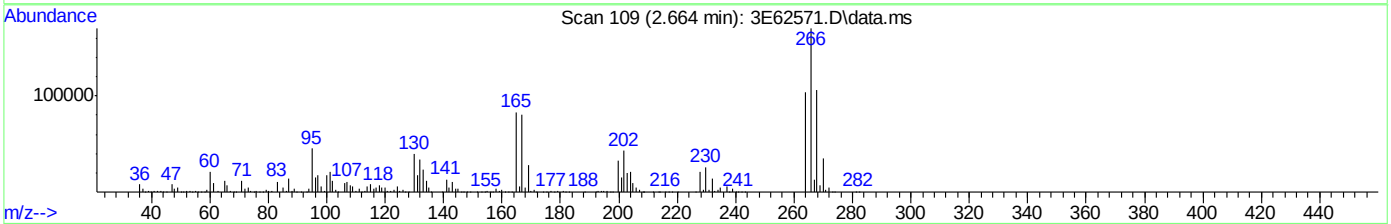
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
436.90	74						
438.60	101						
439.10	96						
439.40	71						
439.70	148						
441.20	6637						
442.10	73778						
443.10	13390						
444.05	1411						

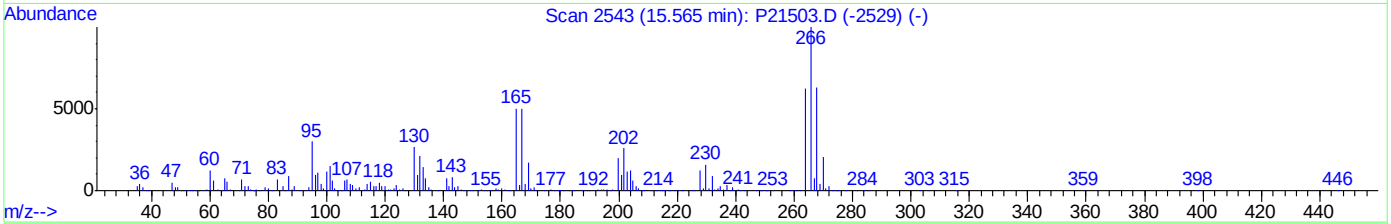
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:12:40 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration







TIC: 3E62571.D\data.ms

(1) Pentachlorophenol (t)

2.664min (-0.155) 86.95ppb

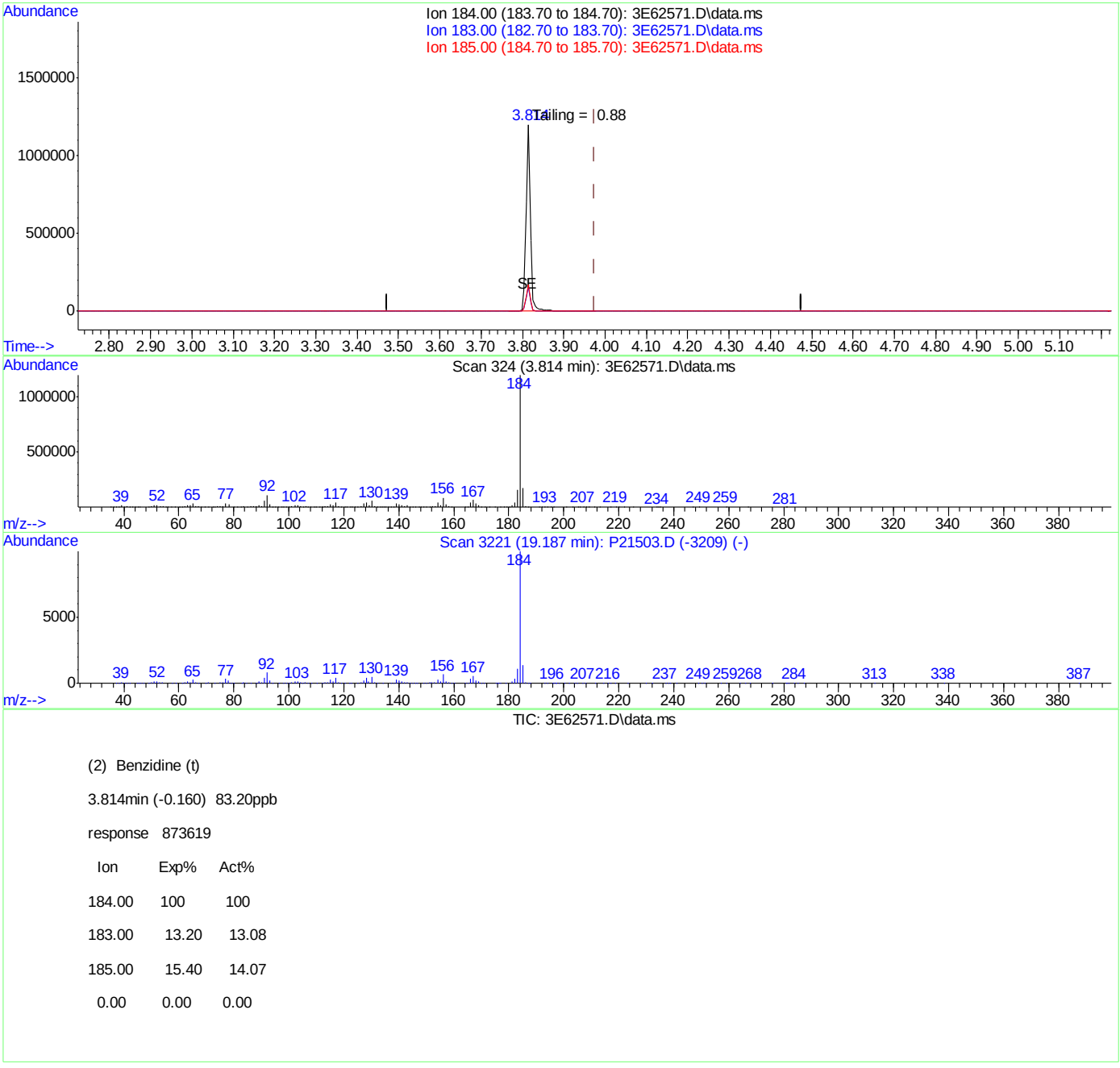
response 135891

Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.21
267.80	64.70	62.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:12:40 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration



TIC: 3E62571.D\data.ms

(2) Benzidine (t)

3.814min (-0.160) 83.20ppb

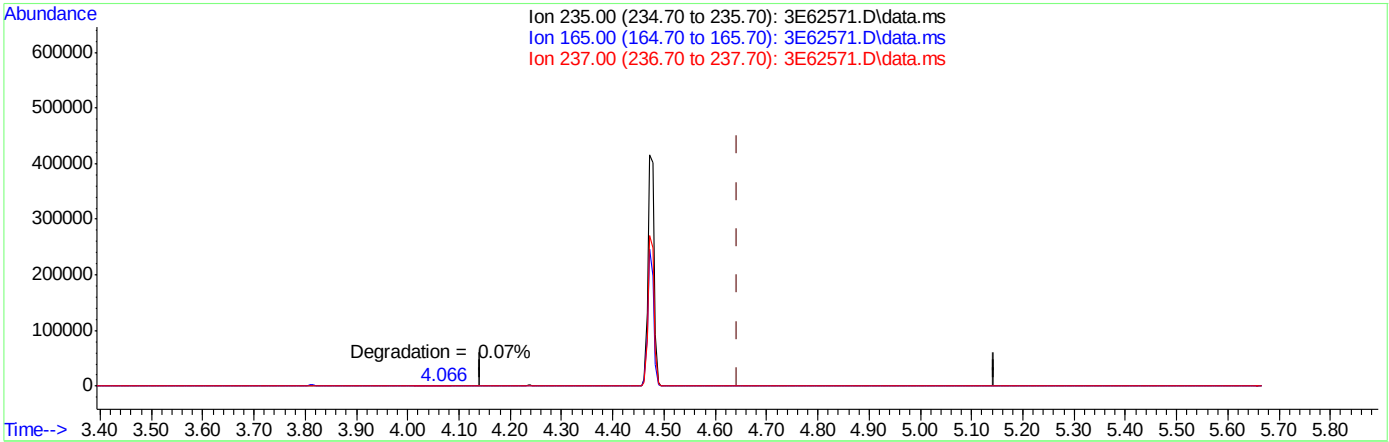
response 873619

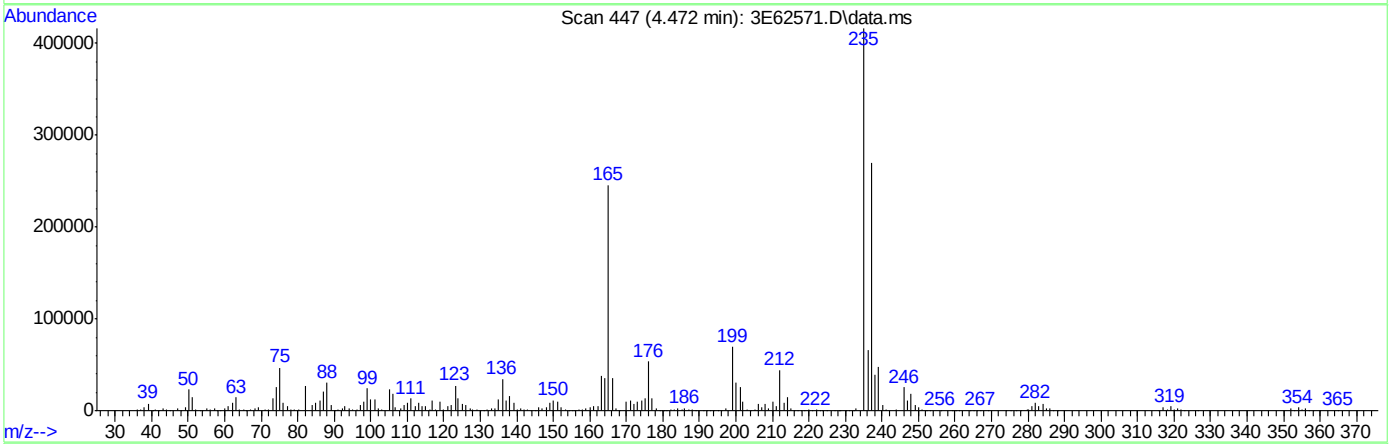
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	13.08
185.00	15.40	14.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:12:40 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62571.D\data.ms

(3) PP-DDT (t)

4.472min (-0.171) 82.31ppb

response 341704

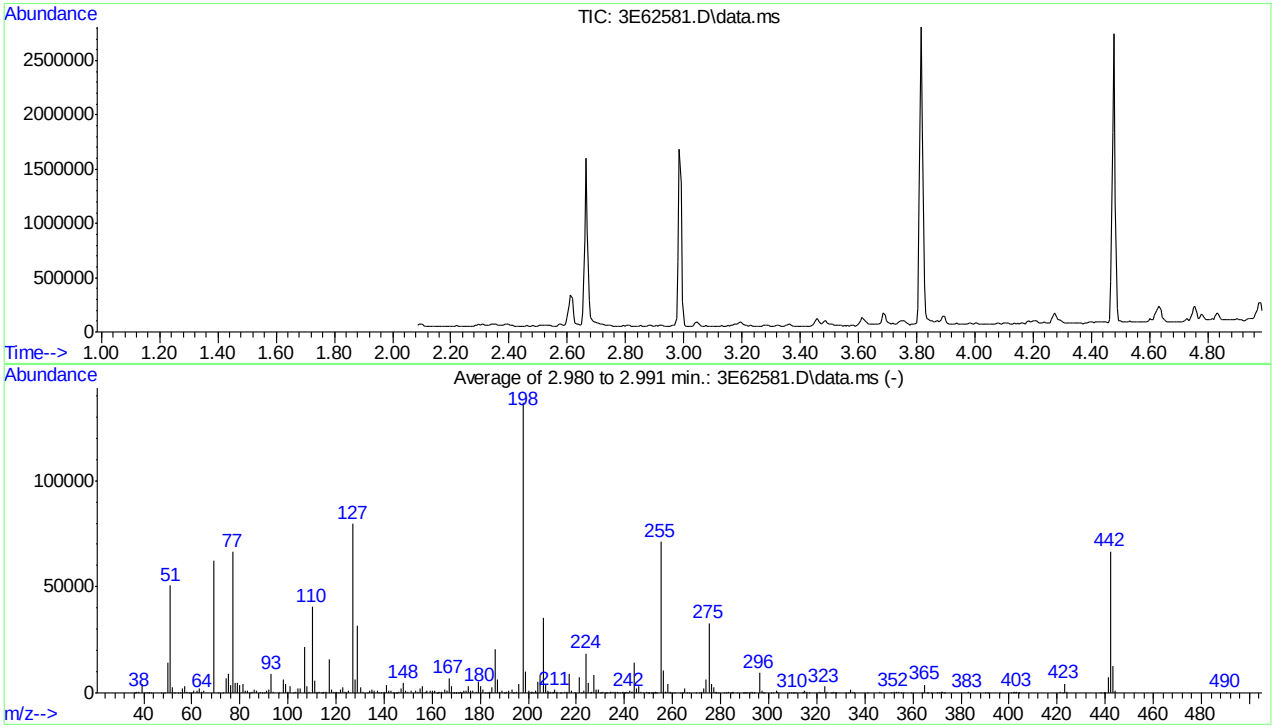
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	55.09#
237.00	0.10	63.80#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
Last Update : Fri Jun 27 13:34:21 2014



AutoFind: Scans 168, 169, 170; Background Corrected with Scan 164

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.0	50651	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.5	62183	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.2	79645	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	136781	PASS
199	198	5	9	7.2	9861	PASS
275	198	10	30	24.0	32766	PASS
365	198	1	100	2.7	3719	PASS
441	443	0.10	100	57.7	7442	PASS
442	198	40	100	48.7	66555	PASS
443	442	17	23	19.4	12887	PASS

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.80	80	48.60	61	60.00	273	76.10	3535
36.40	61	50.05	14185	60.95	862	77.05	66412
37.05	290	51.10	50651	62.05	1028	78.10	4548
38.05	710	52.00	2444	63.05	2371	79.05	4888
39.10	4426	52.95	10	64.10	315	80.00	3671
40.00	96	54.05	151	65.00	1107	81.05	4073
41.05	106	55.00	2	69.00	62183	82.05	1082
42.00	28	56.00	2044	71.05	86	83.05	1006
42.30	132	57.10	3329	73.05	255	84.10	191
43.05	166	57.95	526	74.10	7100	85.00	751
47.00	52	58.80	146	75.05	9207	86.05	1662

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	835	100.05	681	112.05	688	121.00	200
88.05	219	101.00	3007	112.90	417	122.05	1776
89.00	284	102.40	134	113.90	183	123.00	2447
90.30	121	103.00	668	114.15	231	123.90	541
91.05	1100	104.00	1900	115.05	478	124.10	286
92.05	1522	105.00	1901	116.00	562	125.05	947
93.05	8866	106.95	21504	117.00	16069	127.05	79645
94.05	590	108.00	3007	118.05	1402	128.05	6254
96.05	245	108.95	329	119.05	452	129.00	31506
98.00	6244	110.00	40451	119.95	345	130.00	2829
99.05	4465	111.00	5907	120.20	91	131.15	773

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
133.00	141	143.00	1052	153.00	1207	162.20	243
134.05	1032	143.90	100	154.00	624	163.05	427
134.90	758	144.05	163	155.05	2288	163.70	64
135.05	1754	144.95	271	156.05	3202	163.95	341
136.00	1146	145.20	126	157.05	795	165.05	1406
137.00	1296	146.05	736	157.90	880	166.00	1311
137.90	275	147.05	2235	159.10	839	167.05	6975
138.80	94	148.05	4687	160.05	1128	168.05	3143
140.00	551	148.95	893	160.90	430	168.90	235
141.05	3760	150.05	364	161.10	1020	169.05	232
141.90	1300	151.05	823	161.85	206	169.80	100

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.00	117	179.00	5128	188.05	768	198.00	136781
170.90	207	180.05	3308	189.00	1249	199.00	9861
171.10	23	181.05	1619	189.90	286	200.00	835
171.90	419	182.10	270	190.20	99	201.00	107
172.10	275	182.95	243	191.00	584	201.30	392
173.05	1103	183.20	113	192.00	1312	201.55	369
174.00	1342	183.80	70	193.05	1834	202.20	161
175.05	3177	184.00	530	193.80	159	202.85	69
176.10	1309	185.00	2918	194.10	78	203.05	1280
177.00	1342	186.05	20418	195.10	339	204.05	5070
178.10	408	187.10	6108	196.00	4011	205.05	8281

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.10	35569	213.90	54	226.00	72	233.80	111
207.00	3876	215.00	496	226.15	345	234.00	430
207.90	252	216.10	570	227.05	8460	234.30	297
208.05	1218	217.00	8880	227.95	1396	234.95	615

dftpp3e.M Fri Jun 27 13:56:35 2014 MS3E

208.85	375	218.00	1222	229.05	1714	236.05	467
209.25	7	219.15	184	229.85	255	236.80	281
210.00	114	221.05	7381	230.10	98	237.15	538
210.40	336	221.95	172	231.05	790	238.00	138
211.05	1428	223.05	973	232.00	170	238.90	213
211.75	487	224.05	18668	232.20	74	239.15	327
213.15	183	225.05	4801	232.95	270	240.00	144

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
240.40	177	249.05	623	255.10	71112	264.20	100
240.95	381	249.60	66	256.05	10680	265.00	1987
241.30	132	250.00	65	256.95	496	265.90	87
242.05	917	250.30	72	257.20	428	266.95	14
242.95	608	250.95	109	258.05	4292	269.90	94
243.20	612	251.60	75	258.80	183	271.10	200
244.10	14449	252.00	144	259.05	551	272.15	320
245.05	1900	252.20	75	259.90	70	273.10	2112
246.00	3113	252.70	97	261.00	121	274.10	6319
246.95	563	253.10	370	263.20	68	275.10	32766
247.90	143	253.40	97	263.90	143	276.10	4507

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
277.00	2915	286.70	62	296.05	9336	310.40	60
278.00	352	289.20	126	297.05	1331	311.10	85
278.30	144	289.80	108	297.50	76	313.95	204
279.00	82	290.20	72	298.00	68	314.25	380
281.10	51	290.80	55	301.00	98	315.05	1022
282.25	130	291.00	62	301.85	160	316.00	440
283.10	311	292.20	99	303.10	1191	316.80	71
284.10	209	292.80	55	303.95	368	321.05	333
284.40	71	293.10	496	308.20	149	321.40	97
284.90	78	293.90	75	309.10	53	322.40	59
285.05	568	294.10	69	310.10	94	323.10	2973

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
324.10	453	335.30	182	363.70	61	382.95	459
326.00	64	341.05	211	365.00	3719	390.05	176
326.30	61	346.05	739	365.80	141	391.00	71
327.00	474	346.70	74	366.10	200	391.50	62
327.30	51	351.00	61	367.70	58	396.00	61
327.80	77	352.05	742	370.10	55	400.95	176
328.10	104	353.00	560	371.10	94	401.80	50
332.05	201	354.05	708	371.90	534	402.15	577
333.10	265	355.05	195	372.10	675	402.80	58
334.05	1655	355.80	53	372.85	225	403.10	764
335.00	312	359.10	56	373.30	172	404.00	117

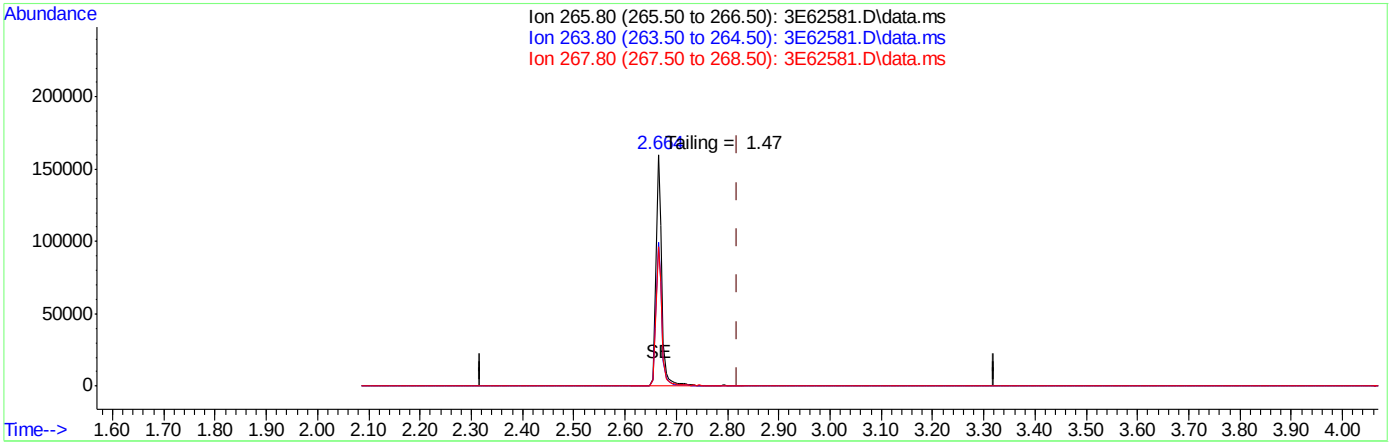
Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

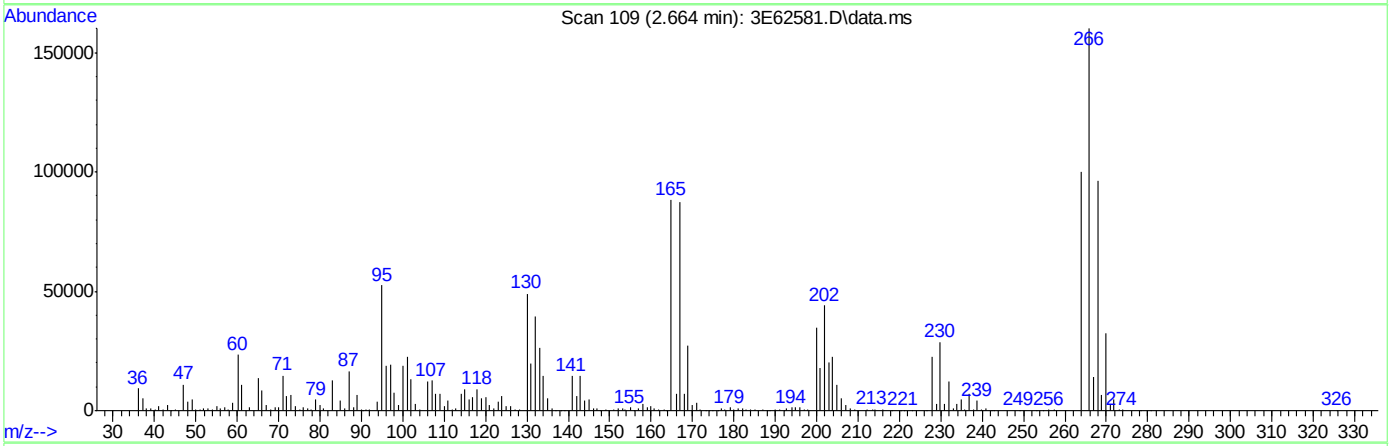
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
404.20	141	443.10	12887				
421.05	563	444.10	1251				
422.00	197	490.10	62				
423.10	4475						
424.15	720						
438.00	82						
439.20	135						
439.60	203						
439.90	165						
441.10	7442						
442.10	66555						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 11:28:46 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62581.D\data.ms

(1) Pentachlorophenol (t)

2.664min (-0.155) 82.37ppb

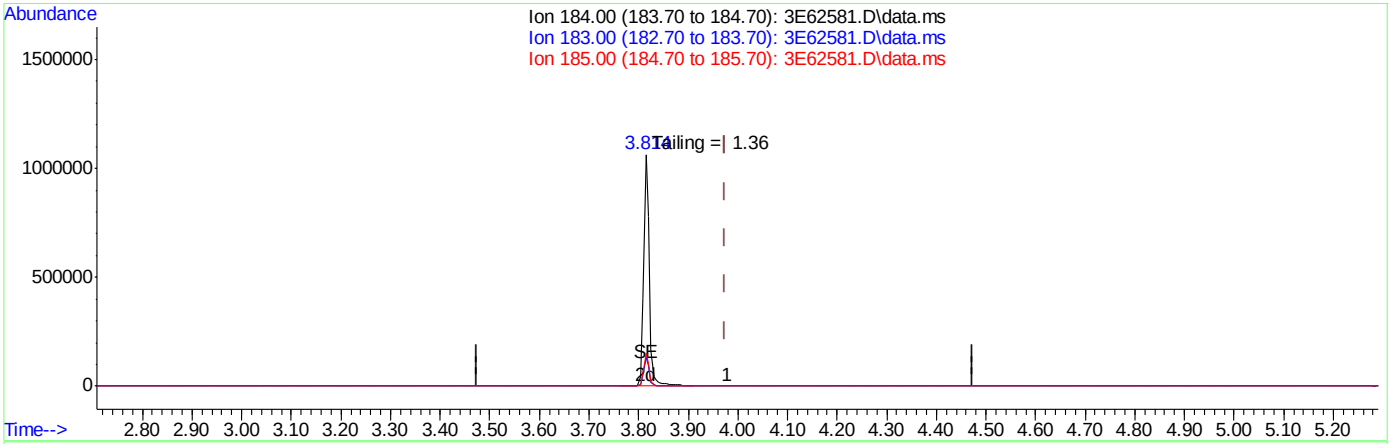
response 128723

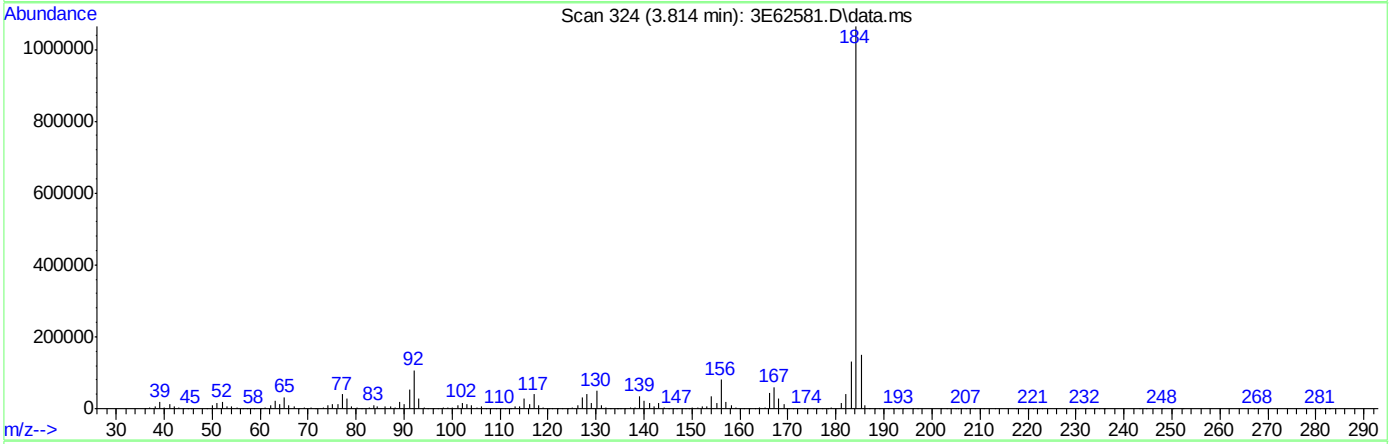
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.26
267.80	64.70	60.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 11:28:46 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62581.D\data.ms

(2) Benzidine (t)

3.814min (-0.161) 82.77ppb m

response 869118

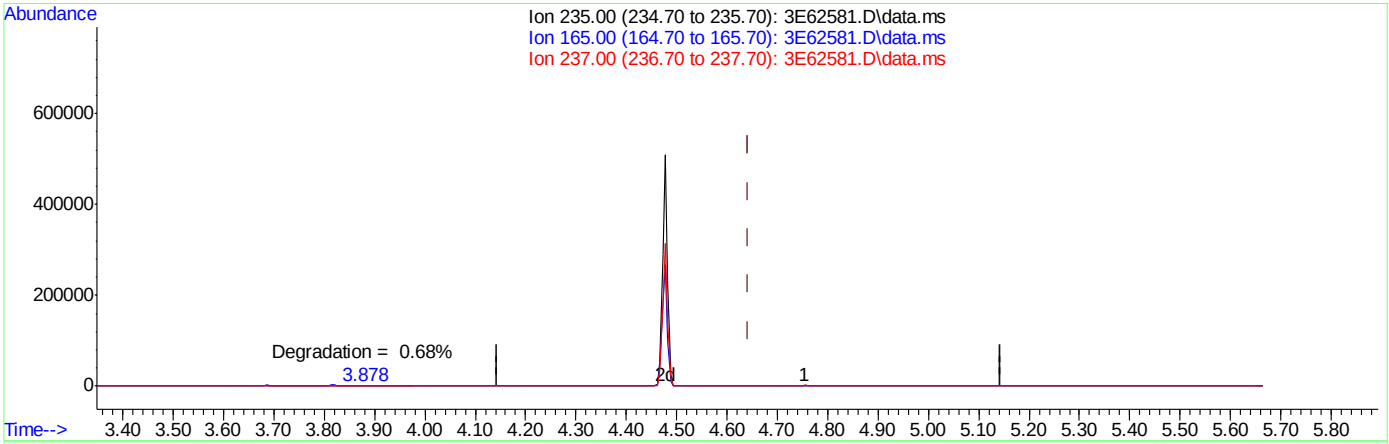
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.40
185.00	15.40	14.17
0.00	0.00	0.00

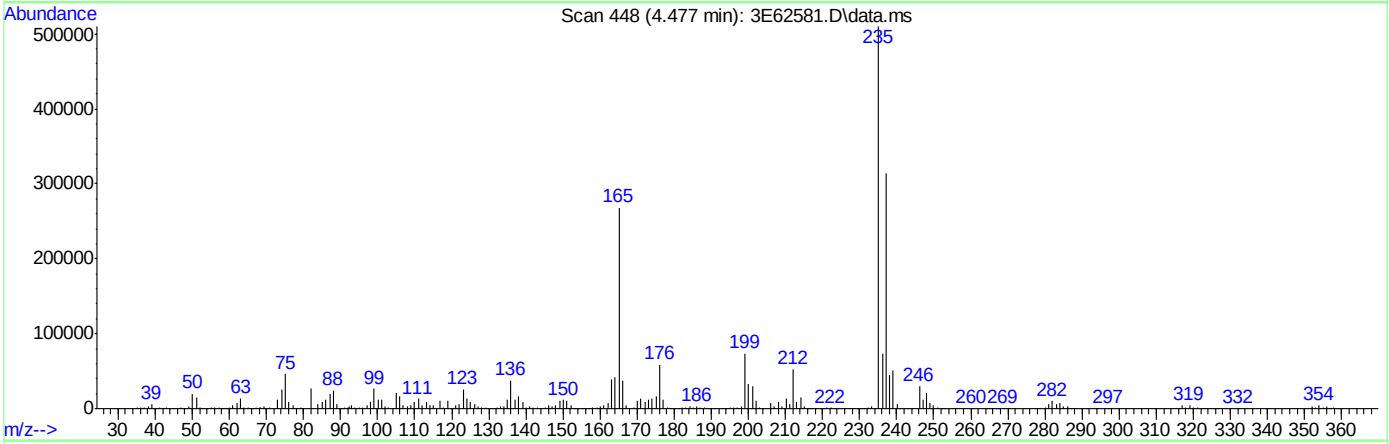
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 11:28:46 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62581.D\data.ms

(3) PP-DDT (t)

4.477min (-0.166) 87.20ppb m

response 362000

Ion	Exp%	Act%
235.00	100	100
165.00	0.10	0.00#
237.00	0.10	0.60#
0.00	0.00	0.00

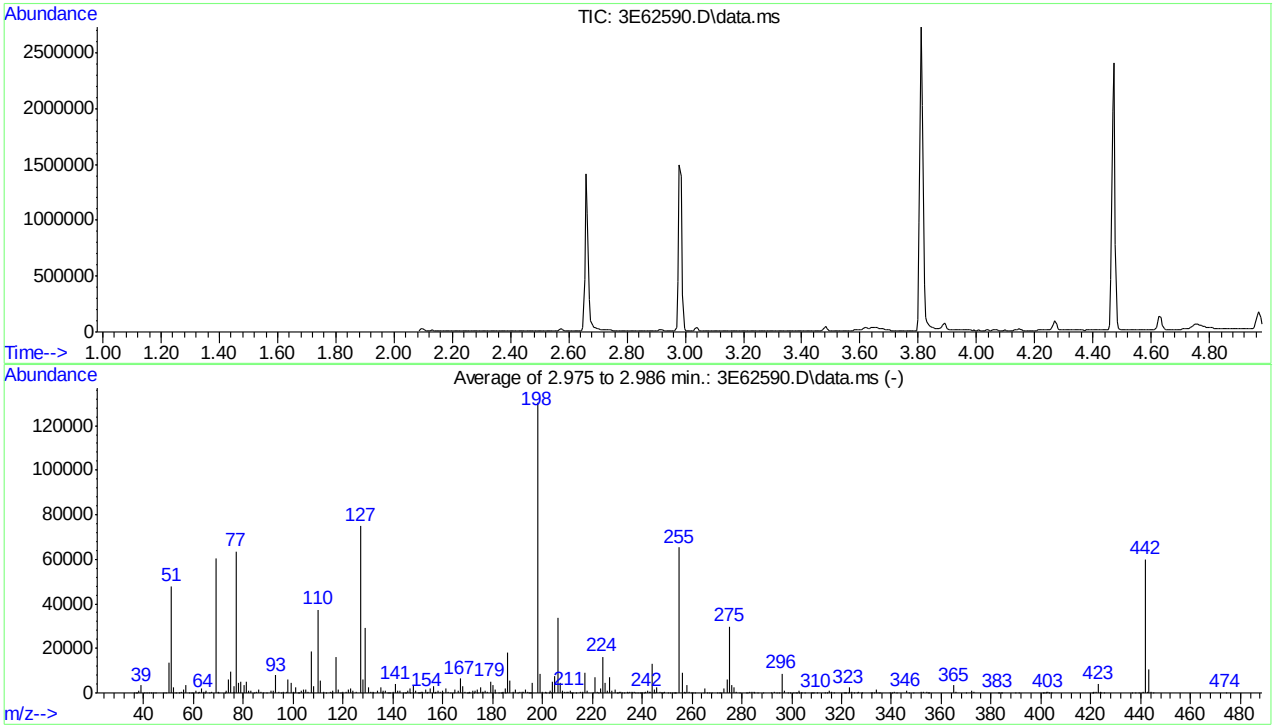
ACCUTEST LABORATORIES
JB69534

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62590.D
Acq On : 27 Jun 2014 1:20 pm
Operator : kristis
Sample : dftpp
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
Last Update : Fri Jun 27 13:34:21 2014



AutoFind: Scans 167, 168, 169; Background Corrected with Scan 163

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.8	47952	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	46.4	60492	PASS
70	69	0.00	2	0.5	325	PASS
127	198	40	60	57.4	74765	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	130362	PASS
199	198	5	9	6.4	8346	PASS
275	198	10	30	22.9	29803	PASS
365	198	1	100	2.7	3503	PASS
441	443	0.10	100	4.4	464	PASS
442	198	40	100	46.1	60087	PASS
443	442	17	23	17.4	10471	PASS

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	90	48.00	51	59.10	56	69.00	60492
36.90	148	48.90	124	59.70	50	69.90	122
37.10	221	50.10	13835	61.05	889	70.10	325
38.00	964	51.10	47952	61.80	153	72.70	201
39.05	3371	52.05	2521	62.05	634	73.05	928
40.05	99	53.00	184	63.05	2070	74.05	6128
40.95	171	54.20	58	63.95	362	75.05	9607
41.90	78	55.10	330	64.30	118	76.00	494
43.00	10	56.00	1587	65.05	1274	76.15	3200
44.00	129	57.00	3334	66.20	51	77.10	63562
44.90	99	58.05	201	67.10	402	78.05	4466

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
79.00	5047	91.00	985	101.00	2695	112.00	760
80.05	3427	91.95	1187	101.90	80	112.95	178
81.00	5042	93.00	7917	102.40	60	114.85	287
82.05	1203	94.00	632	103.05	1129	115.20	52
83.05	868	95.10	192	104.00	1672	115.90	901
84.30	52	96.00	456	105.05	1629	117.00	15983
85.00	763	97.15	479	106.00	333	118.00	1361
86.00	1682	98.00	6014	107.05	18815	118.95	246
86.95	712	99.00	4520	108.00	3096	120.05	437
87.95	259	100.00	324	110.00	37485	121.05	352
89.20	63	100.20	222	111.00	5599	122.00	1349

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
123.05	2268	135.00	2359	143.95	233	151.25	293
124.00	1115	135.80	154	144.90	95	152.00	331
125.05	557	136.10	870	145.20	151	153.05	1301
127.10	74765	137.05	1210	145.95	932	153.80	135
128.05	6196	137.80	196	146.90	256	154.00	767
129.00	29331	138.10	55	147.05	1813	155.00	1900
130.05	2700	138.60	84	148.00	3563	156.10	3040
131.00	688	139.90	353	149.00	925	156.80	133
132.00	113	141.00	3858	150.00	179	157.15	490
132.15	291	142.00	1218	150.50	56	158.05	973
134.00	1014	143.00	955	150.90	56	159.10	710

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.90	144	169.80	136	176.20	331	184.90	211
160.05	991	170.10	168	176.95	1200	185.15	2155
161.05	1794	170.60	206	178.00	546	186.05	18372
161.95	531	170.85	330	179.00	5076	187.05	5603
163.10	65	172.00	790	180.05	3722	188.15	559
164.15	195	172.55	180	180.80	123	189.00	1372
164.95	1524	173.05	844	181.00	1299	190.10	197
166.10	856	173.80	129	182.20	267	190.95	494
166.95	6482	173.95	1529	183.10	237	191.85	738
167.95	2952	175.00	2498	183.80	202	192.10	721
169.05	692	176.00	616	184.15	395	193.05	1606

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
194.00	355	203.00	822	211.00	1020	221.75	739
194.50	65	203.40	81	211.30	270	222.20	133
194.80	66	204.10	4822	211.80	232	223.10	1975
195.20	149	205.05	7713	212.10	146	224.10	16208

dftpp3e.M Wed Jul 02 17:18:27 2014 MS3E

196.05	4316	206.10	33563	213.20	60	225.05	4609
198.00	130362	207.10	4390	215.05	312	226.15	793
199.00	8346	207.95	941	216.05	413	227.00	7297
199.95	706	208.20	324	217.05	8957	227.95	981
201.10	61	209.05	540	218.00	1182	229.05	1383
201.40	689	209.80	318	219.95	155	229.90	143
202.80	220	210.35	378	221.05	7157	230.10	126

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
231.00	347	238.00	81	245.10	1578	252.80	100
231.25	394	238.95	260	245.80	361	253.00	181
231.95	187	239.70	58	246.00	2449	253.40	62
232.80	92	240.10	118	247.05	626	255.00	65224
233.90	356	240.80	81	247.80	53	256.05	9221
234.10	220	241.10	452	248.00	75	256.85	406
234.95	575	242.00	878	248.30	74	257.10	260
235.75	157	243.00	429	248.95	566	258.10	3642
236.05	305	243.20	560	250.10	56	258.95	616
237.00	382	244.10	12882	251.00	102	259.90	148
237.20	188	244.90	176	252.20	119	260.20	133

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
260.90	162	275.10	29803	286.10	165	301.60	86
264.90	172	276.10	3753	288.60	52	302.20	50
265.05	1949	277.05	2636	291.80	80	302.80	129
265.95	159	277.95	352	293.00	735	303.05	798
266.90	58	279.10	54	294.10	51	303.80	71
267.85	144	281.80	92	295.00	181	304.00	197
270.10	118	282.10	70	296.05	8813	305.10	65
270.80	68	283.10	286	297.00	1144	307.90	73
271.30	71	284.10	283	298.20	74	308.40	64
273.00	2195	284.70	97	299.30	76	308.95	129
274.05	5840	285.05	451	300.70	52	309.95	141

Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
313.10	71	324.80	60	335.10	246	354.80	104
314.10	182	326.40	78	339.50	62	355.00	97
315.00	924	326.95	368	340.40	58	365.05	3503
316.05	456	327.90	118	341.00	278	366.00	432
316.80	68	328.20	153	342.10	59	369.90	173
321.00	118	331.90	61	346.00	825	372.10	993
321.20	126	332.30	92	347.00	54	372.95	342
321.70	74	333.05	235	348.80	58	382.95	229
322.80	142	333.80	72	352.05	701	383.20	98
323.10	2460	334.10	1419	353.05	538	383.90	55
324.00	456	334.90	67	354.15	700	384.20	72

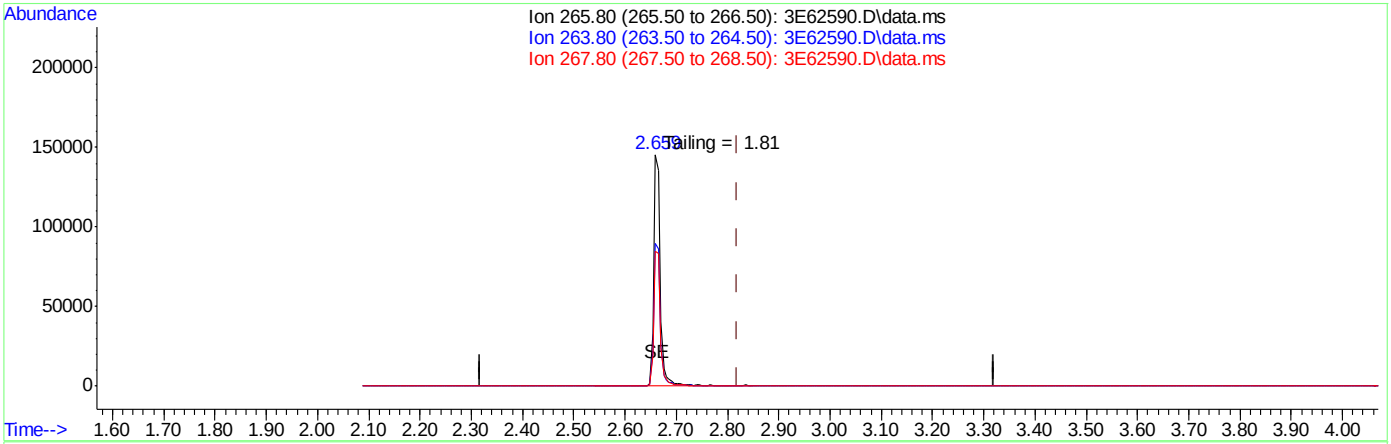
Average of 2.975 to 2.986 min.: 3E62590.D\data.ms
dftpp
Modified:subtracted

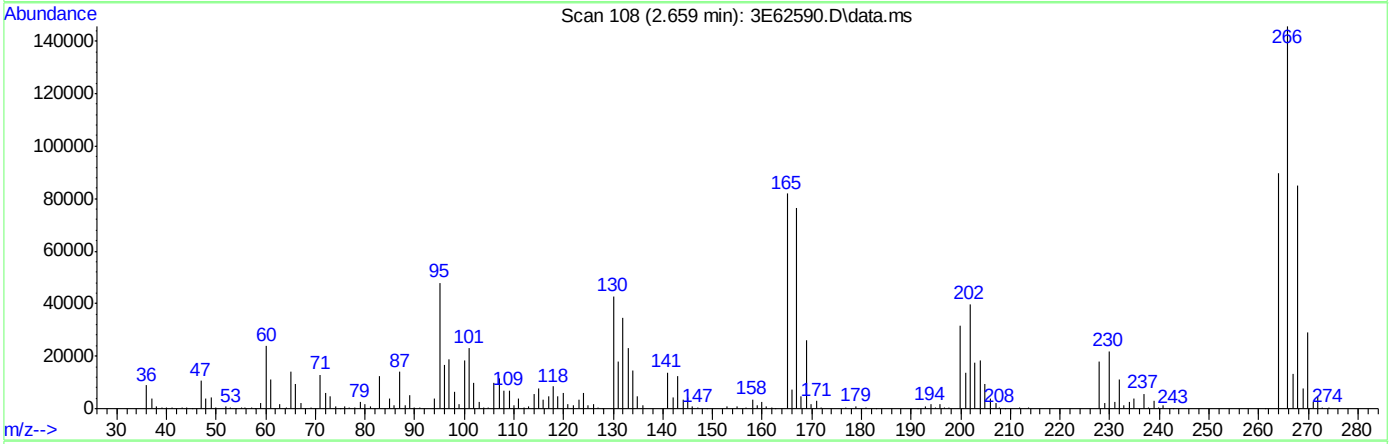
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
389.85	131	421.20	294	442.90	443		
390.90	150	422.10	449	443.10	10471		
400.80	61	423.05	3807	444.10	371		
401.10	81	423.80	78	445.20	56		
401.80	134	424.10	622	474.10	52		
402.10	298	425.10	103				
402.90	470	436.60	59				
403.30	197	437.80	59				
404.10	128	439.40	114				
420.60	74	441.20	464				
420.90	189	442.10	60087				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62590.D
Acq On : 27 Jun 2014 1:20 pm
Operator : kristis
Sample : dftpp
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:34:09 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62590.D\data.ms

(1) Pentachlorophenol (t)

2.659min (-0.160) 79.45ppb

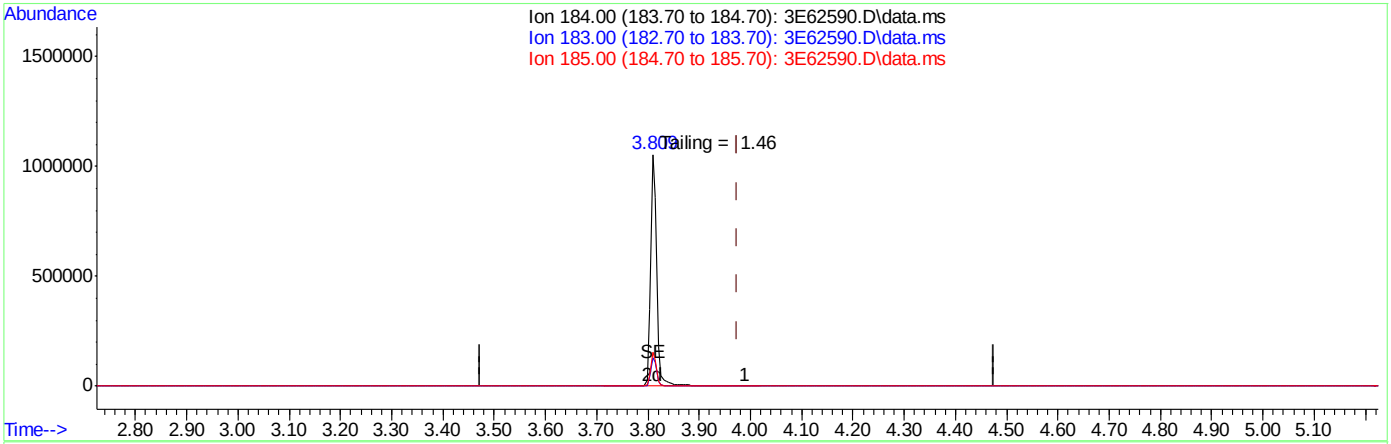
response 124163

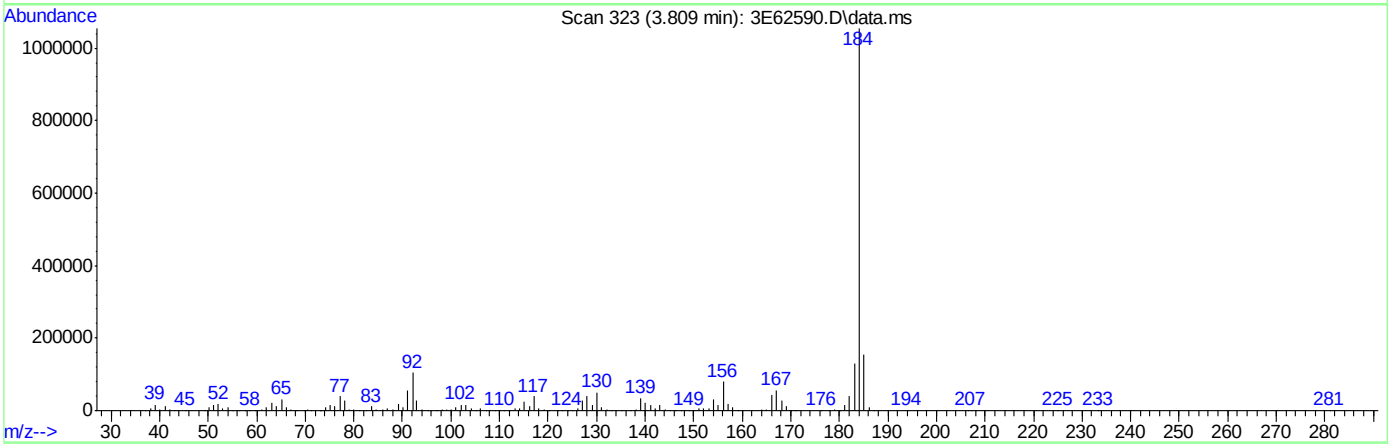
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.54
267.80	64.70	58.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62590.D
Acq On : 27 Jun 2014 1:20 pm
Operator : kristis
Sample : dftpp
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:34:09 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62590.D\data.ms

(2) Benzidine (t)

3.809min (-0.166) 82.27ppb m

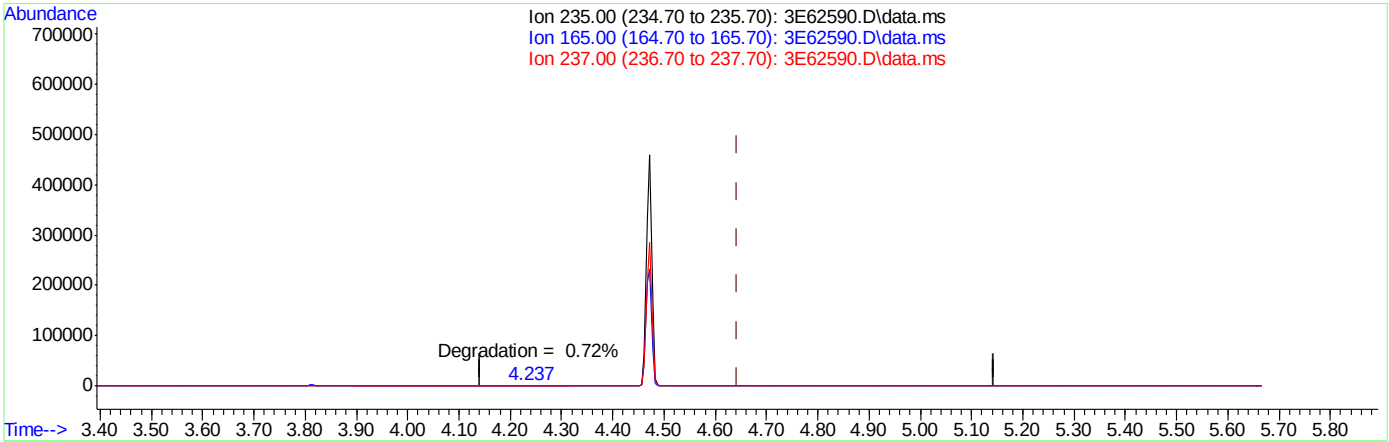
response 863855

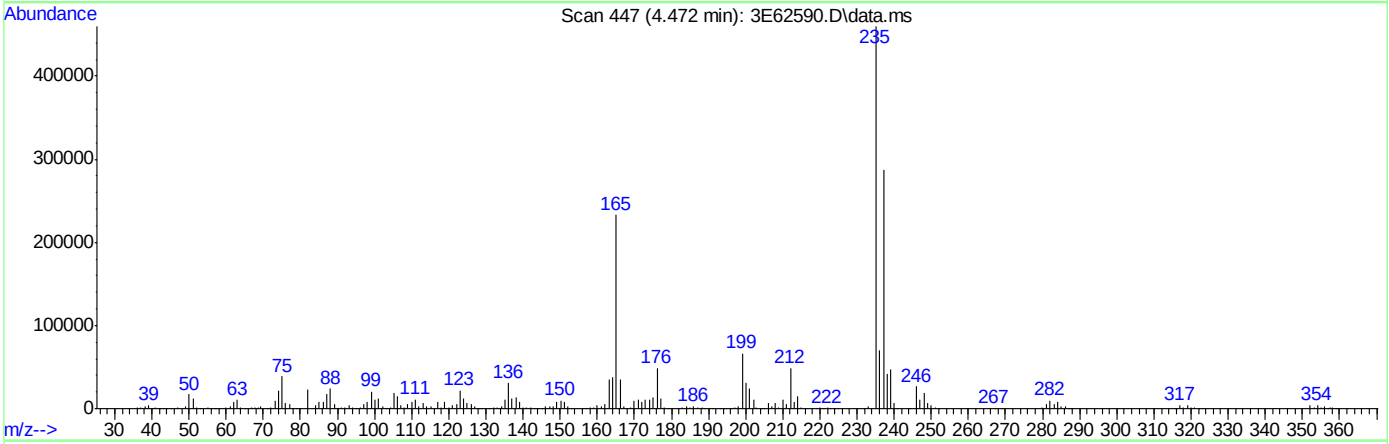
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.43
185.00	15.40	14.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62590.D
Acq On : 27 Jun 2014 1:20 pm
Operator : kristis
Sample : dftpp
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:34:09 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62590.D\data.ms

(3) PP-DDT (t)

4.472min (-0.171) 80.45ppb

response 333970

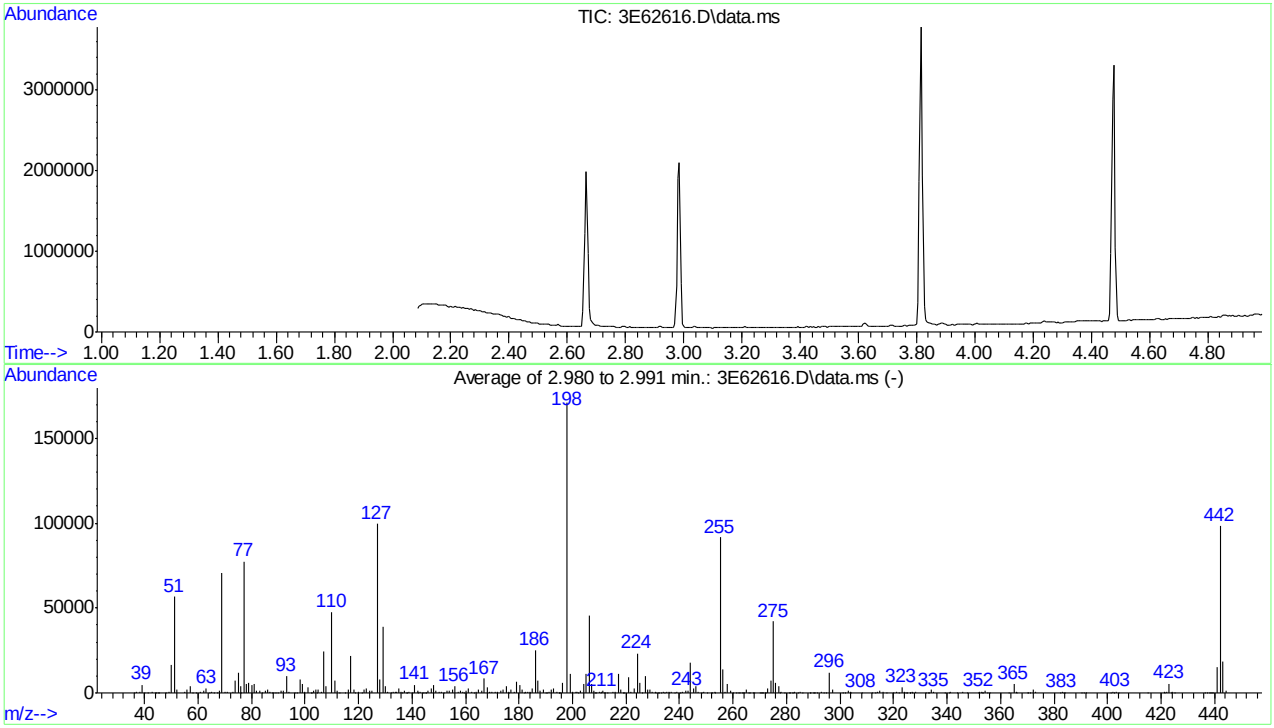
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	53.87#
237.00	0.10	62.49#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62616.D
Acq On : 28 Jun 2014 1:53 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
Last Update : Fri Jun 27 13:34:21 2014



AutoFind: Scans 168, 169, 170; Background Corrected with Scan 163

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.2	56785	PASS
68	69	0.00	2	1.5	1052	PASS
69	198	0.00	100	41.3	70700	PASS
70	69	0.00	2	0.5	373	PASS
127	198	40	60	58.2	99610	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	171093	PASS
199	198	5	9	6.7	11390	PASS
275	198	10	30	24.7	42269	PASS
365	198	1	100	3.0	5129	PASS
441	443	0.10	100	82.7	15126	PASS
442	198	40	100	57.4	98184	PASS
443	442	17	23	18.6	18298	PASS

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	82	48.00	279	62.05	1075	74.05	7293
37.05	579	49.05	741	63.10	2664	75.00	11607
38.05	877	50.10	16820	64.20	196	75.90	297
39.05	4648	51.05	56785	65.05	974	76.15	3957
40.10	205	52.00	2003	66.05	234	77.05	77283
41.05	313	55.05	793	67.00	114	78.05	5345
42.95	539	56.00	1978	68.05	1052	79.00	5665
44.00	134	57.10	4014	69.00	70700	80.05	4630
44.25	154	58.00	91	70.00	373	81.05	5455
44.95	64	59.05	270	71.10	354	82.00	1531
45.30	52	61.05	936	73.00	544	83.05	1216

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
84.00	314	94.00	759	104.40	146	117.00	21799
85.00	1174	96.05	322	105.05	2276	118.10	1723
86.00	2008	97.10	218	106.15	986	118.90	245
87.00	721	98.00	7824	107.00	24644	120.00	510
87.80	53	99.00	5532	108.00	3842	121.05	122
88.15	229	100.05	627	110.05	47633	122.05	2062
89.00	350	101.05	3495	111.00	7129	123.00	2932
89.90	72	102.20	126	112.00	1074	124.00	1619
91.00	1318	102.40	67	112.90	267	125.10	1016
92.10	1285	103.00	1267	115.00	292	127.05	99610
93.05	10160	104.00	2157	116.05	1976	128.05	7929

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.00	39110	137.80	232	145.10	55	156.00	4174
130.00	3726	138.00	300	146.05	1028	157.05	622
130.95	500	138.80	402	147.00	2480	158.00	1091
132.25	286	139.95	230	148.05	4904	159.00	699
133.00	400	141.00	4905	149.05	1405	159.20	132
133.80	484	142.00	1635	150.05	555	160.00	1303
134.10	451	142.20	180	151.05	566	161.10	2430
135.00	2773	142.95	947	152.00	314	162.10	713
135.90	955	143.85	202	153.00	1551	163.20	115
136.30	68	144.30	83	154.00	1107	164.05	590
137.00	1324	144.90	126	155.05	2202	164.95	1843

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.10	1236	176.20	122	185.10	2590	194.85	244
167.05	8450	177.00	1791	186.10	25397	195.10	242
168.10	3536	178.10	663	187.05	7508	195.30	89
169.00	597	179.00	6636	188.05	1136	196.10	5891
170.00	355	180.10	4578	189.05	1876	198.00	171093
171.05	388	180.95	1996	189.90	116	198.95	11390
172.00	970	182.00	300	190.20	247	200.00	771
173.05	1040	182.20	433	191.00	954	201.30	367
174.05	2270	183.15	450	192.05	2245	201.60	686
175.10	4092	183.90	109	193.00	2398	202.05	65
176.00	1003	184.20	388	194.00	597	203.05	1223

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
204.05	5539	211.70	209	223.05	2504	232.10	149
205.10	11293	212.05	315	224.10	23254	233.10	308
206.10	45765	213.05	313	225.10	5801	234.05	707
207.10	5636	215.00	541	225.90	317	234.45	219

dftpp3e.M Mon Jun 30 17:02:05 2014 MS3E

208.05	1529	216.05	971	227.10	10147	235.10	909
208.25	12	217.00	11019	228.00	1808	235.90	286
209.00	278	218.05	1940	229.00	1936	236.05	401
210.00	837	219.05	234	229.95	380	237.00	738
210.60	220	219.40	89	230.80	115	238.00	126
211.00	691	221.05	9331	231.05	664	239.05	526
211.20	1096	221.80	901	231.80	57	240.10	343

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
241.10	469	252.15	214	262.30	52	270.80	153
242.15	1513	253.05	409	263.10	55	271.10	187
243.10	1534	253.40	318	263.50	160	271.90	105
244.10	17690	255.10	91688	264.15	242	272.15	331
245.05	2680	256.10	13665	265.10	2215	273.05	2772
246.00	3903	257.10	916	265.85	46	274.10	7355
247.05	795	258.00	5494	266.20	151	275.10	42269
248.15	281	259.00	1021	267.65	211	276.00	5788
248.95	478	259.95	284	267.95	206	277.05	3703
250.15	154	261.20	150	269.95	160	277.70	122
251.90	135	262.00	60	270.20	64	278.05	660

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
279.00	164	289.90	79	303.05	1283	321.15	367
280.70	52	290.20	145	303.80	123	322.05	292
281.15	143	290.70	60	304.10	427	323.10	3473
282.10	123	291.25	133	308.10	94	324.00	486
282.70	116	293.00	920	311.70	57	324.20	149
283.05	375	293.90	286	313.15	146	324.70	50
284.15	210	294.70	81	314.05	678	324.90	117
285.10	457	296.10	12152	315.00	1500	326.00	50
286.00	80	297.10	1782	316.05	802	326.30	87
288.70	103	301.05	173	317.15	118	326.80	110
289.00	71	302.00	80	320.00	122	327.05	643

Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
328.05	508	347.30	181	365.80	135	390.10	257
332.00	230	351.80	239	366.05	569	391.10	117
332.95	289	352.10	828	370.00	62	392.00	73
333.20	226	352.80	187	370.30	74	401.00	97
334.05	2072	353.05	432	371.10	194	401.85	497
335.05	702	353.40	193	372.05	1872	402.20	254
339.20	60	354.05	1018	373.00	407	403.05	751
340.80	72	355.20	268	382.30	58	404.05	269
341.10	486	356.05	102	382.95	361	415.10	76
343.70	51	362.80	53	383.40	82	421.05	651
345.95	756	365.00	5129	383.90	112	421.40	221

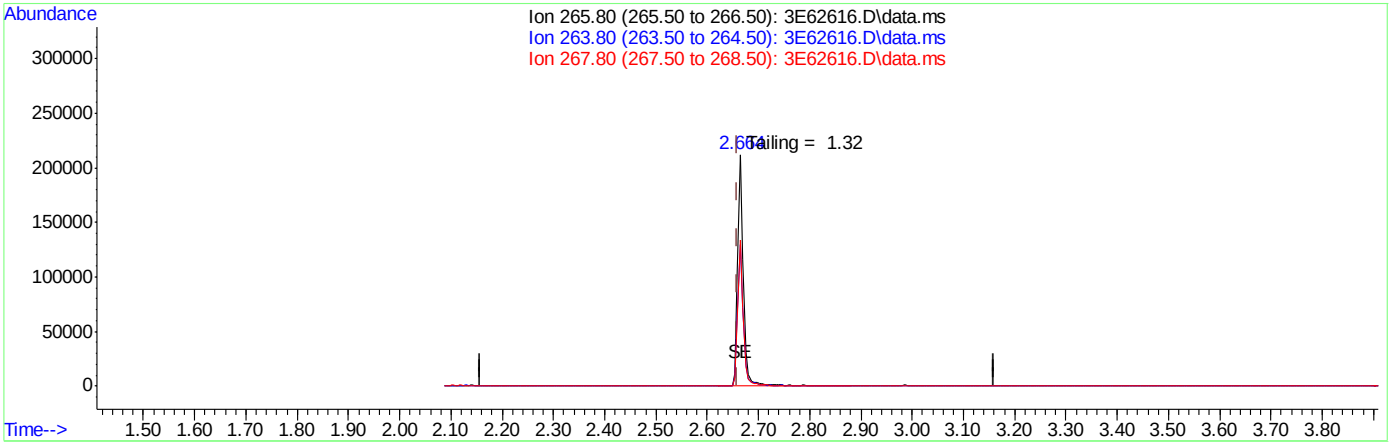
Average of 2.980 to 2.991 min.: 3E62616.D\data.ms
dftpp
Modified:subtracted

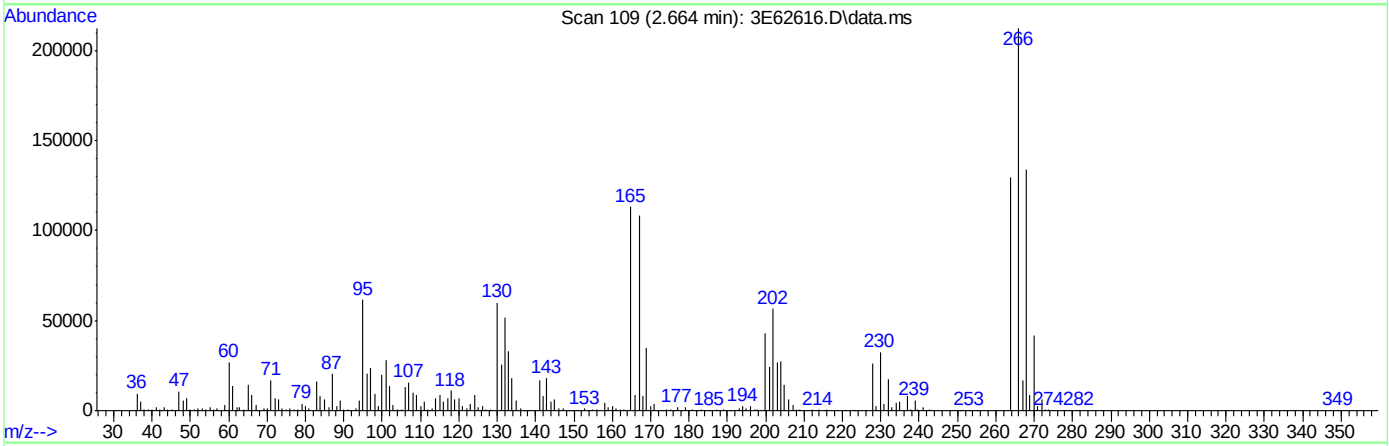
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
421.95	515	441.10	15126				
423.10	5393	442.10	98184				
423.90	197	443.10	18298				
424.10	648	444.10	1497				
425.10	53						
436.50	51						
437.05	133						
437.80	63						
438.30	248						
438.70	141						
439.30	107						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62616.D
Acq On : 28 Jun 2014 1:53 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 14:00:58 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
QLast Update : Fri Jun 27 13:34:21 2014
Response via : Initial Calibration





TIC: 3E62616.D\data.ms

(1) Pentachlorophenol (t)

2.664min (+0.005) 104.50ppb

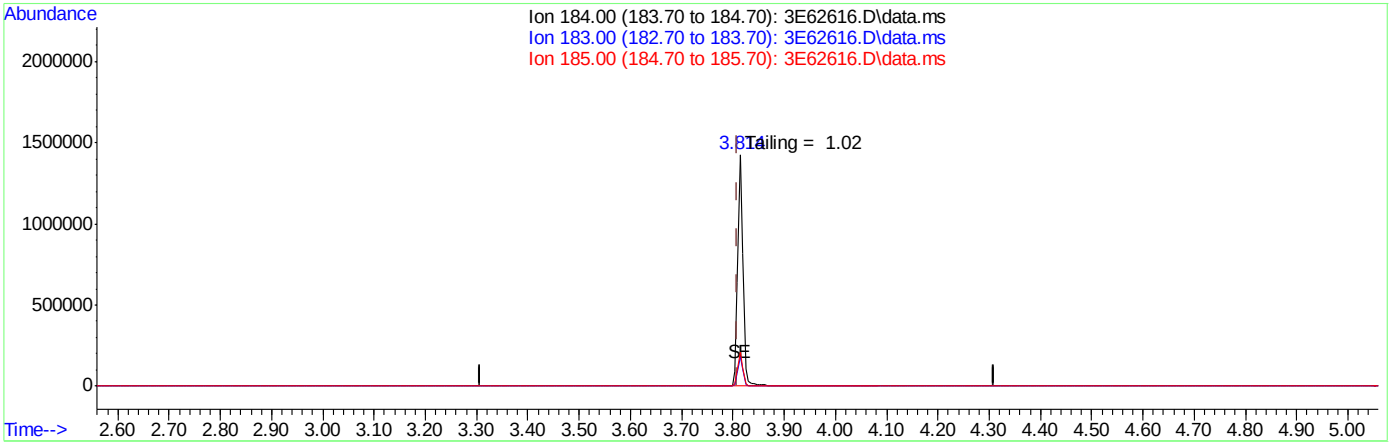
response 163313

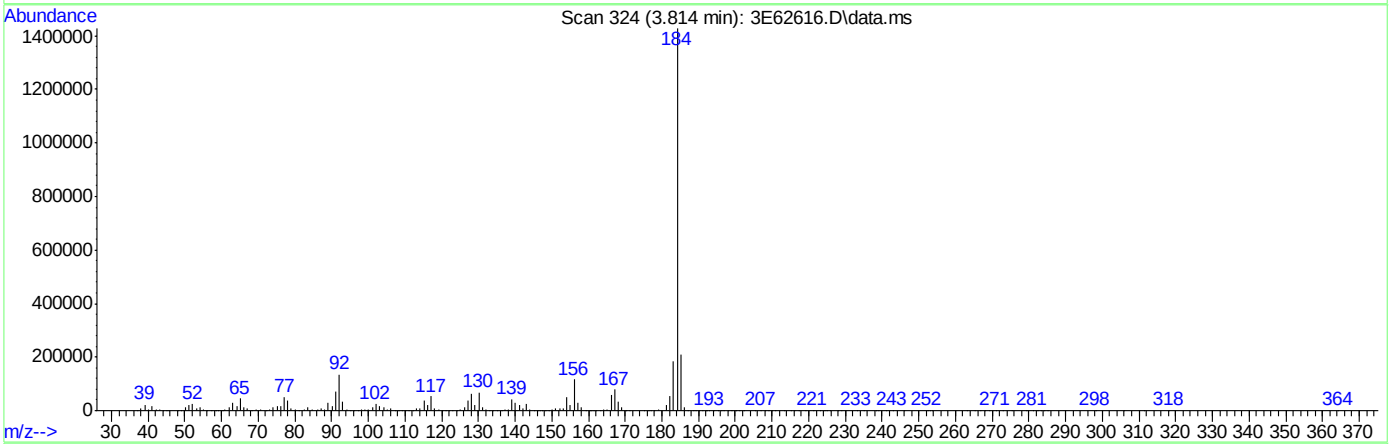
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.01
267.80	64.70	63.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62616.D
Acq On : 28 Jun 2014 1:53 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 14:00:58 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
QLast Update : Fri Jun 27 13:34:21 2014
Response via : Initial Calibration





TIC: 3E62616.D\data.ms

(2) Benzidine (t)

3.814min (+0.005) 98.28ppb

response 1032008

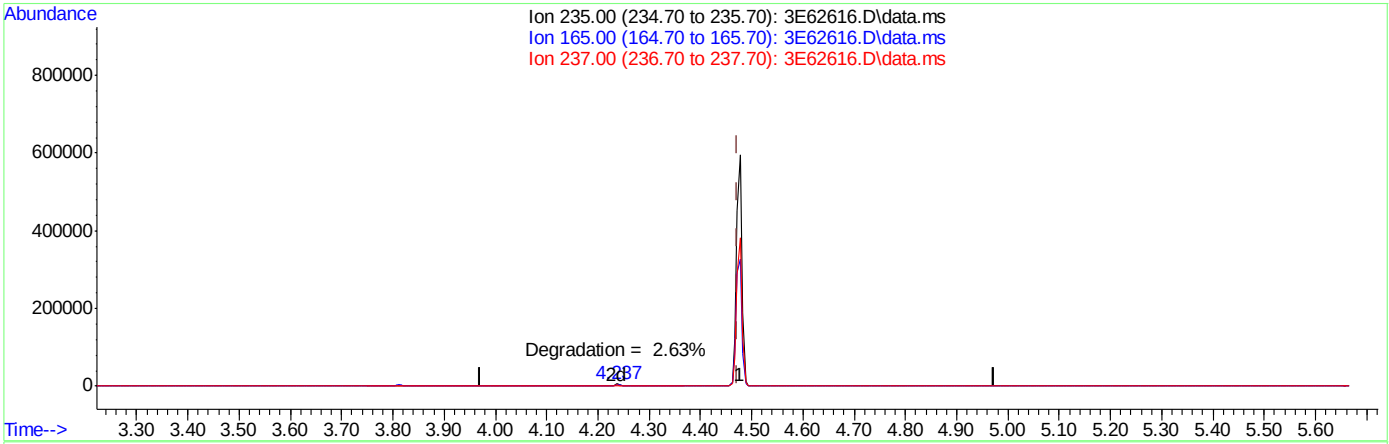
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.82
185.00	15.40	14.72
0.00	0.00	0.00

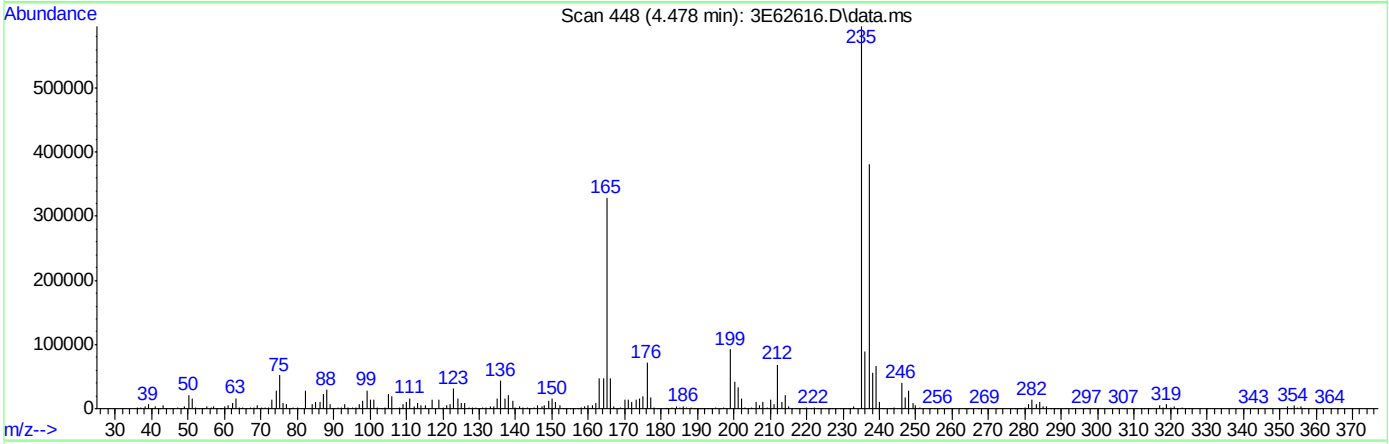
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62616.D
Acq On : 28 Jun 2014 1:53 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 14:00:58 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
QLast Update : Fri Jun 27 13:34:21 2014
Response via : Initial Calibration





TIC: 3E62616.D\data.ms

(3) PP-DDT (t)

4.478min (+0.005) 107.04ppb

response 444382

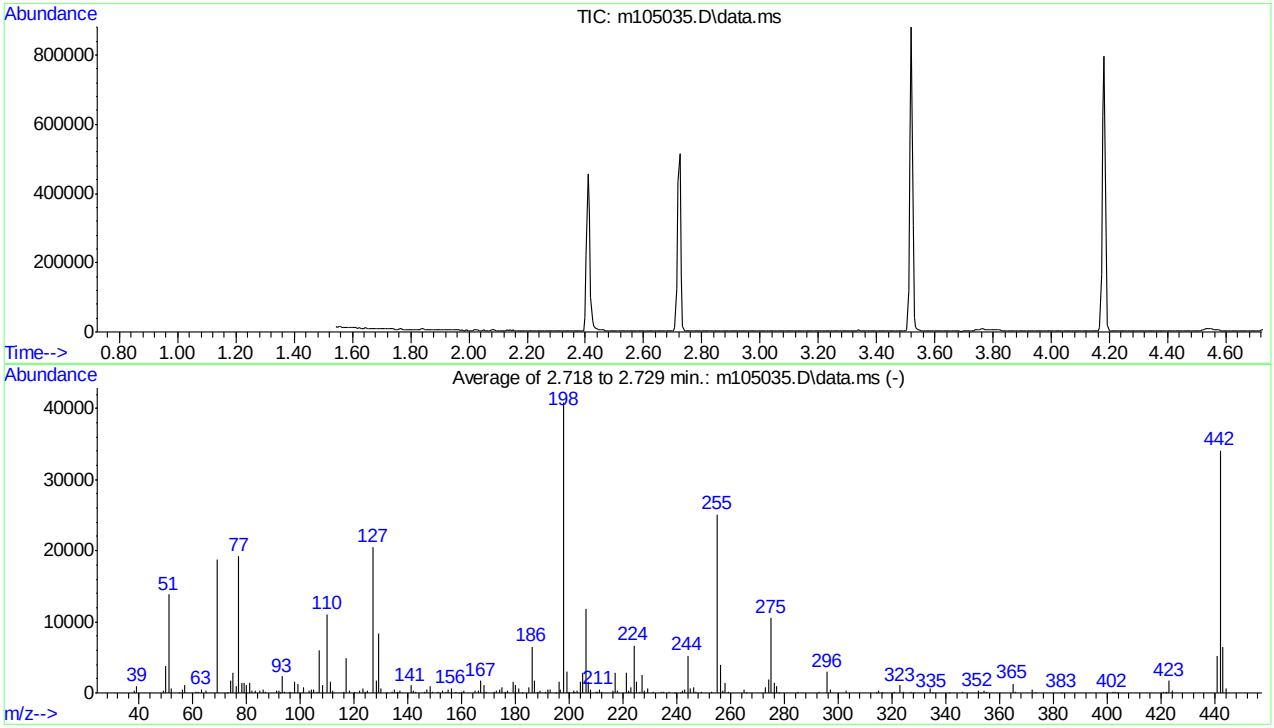
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	58.40#
237.00	0.10	64.22#
0.00	0.00	0.00

DFTPPR

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 221, 222, 223; Background Corrected with Scan 216

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.8	13811	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.8	18716	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.3	20549	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	40824	PASS
199	198	5	9	7.4	3002	PASS
275	198	10	30	25.8	10521	PASS
365	198	1	100	3.3	1331	PASS
441	443	0.10	100	79.5	5152	PASS
442	198	40	100	83.5	34101	PASS
443	442	17	23	19.0	6479	PASS

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.95	243	63.00	526	80.95	1421	95.95	145
39.00	990	65.00	249	82.00	295	97.90	1618
49.00	244	68.95	18716	83.00	305	99.00	1241
50.00	3826	72.80	69	84.90	347	101.00	765
50.95	13811	74.00	1812	85.90	428	103.00	277
52.00	575	75.00	2789	87.00	114	103.90	428
55.00	76	76.05	960	90.95	266	104.90	425
55.95	430	77.00	19288	91.95	358	106.00	130
57.00	1092	78.00	1359	92.30	76	107.00	5967
61.00	172	78.95	1447	93.00	2348	108.00	1083
61.90	203	79.95	1048	94.00	112	110.00	11114

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
111.00	1528	128.00	1747	142.95	175	159.00	81
111.95	277	129.00	8382	145.90	183	159.90	229
115.90	154	130.00	711	146.95	456	160.90	390
116.95	4841	131.80	77	148.00	899	164.90	369
118.00	326	133.95	173	148.95	194	166.00	356
119.90	80	134.95	536	151.00	84	167.00	1733
122.00	375	135.80	72	152.90	282	168.00	1075
123.00	676	136.00	92	153.90	183	168.90	85
123.95	206	136.95	251	155.00	517	171.95	146
124.90	253	140.95	1086	156.00	649	172.90	272
127.00	20549	141.90	310	157.90	207	174.00	420

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.00	824	188.90	329	201.80	86	215.95	379
176.10	194	190.95	155	202.95	264	216.90	2793
176.90	389	192.00	464	204.00	1653	217.95	387
178.95	1627	193.00	509	205.00	2799	221.00	2796
180.00	1032	195.00	80	206.00	11894	221.95	298
180.95	691	196.00	1564	207.00	1525	222.95	794
182.20	70	196.60	521	207.90	412	224.00	6625
185.00	801	197.90	40824	210.05	168	225.00	1622
186.00	6462	198.90	3002	210.50	125	226.05	175
187.00	1733	199.90	91	211.00	527	227.00	2576
188.00	204	201.35	246	212.00	93	227.95	283

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
228.95	575	245.95	850	273.00	811	314.00	72
230.95	191	246.90	106	274.00	1913	314.90	387
233.90	147	249.00	116	275.00	10521	316.00	79
234.90	95	252.90	84	276.00	1411	320.90	90
237.00	129	255.00	25128	277.00	918	323.00	1052
239.00	77	256.00	3994	278.00	67	324.00	182
241.00	83	256.95	291	284.90	86	326.90	203
241.95	264	258.00	1397	292.85	160	327.90	67
242.95	463	258.90	160	295.95	2955	334.00	651
244.00	5265	264.95	475	297.00	468	334.90	70
245.00	695	265.80	76	303.00	388	341.00	68

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
346.00	116	403.00	126				
352.00	303	403.90	69				
353.00	67	420.95	155				
353.95	251	421.80	67				

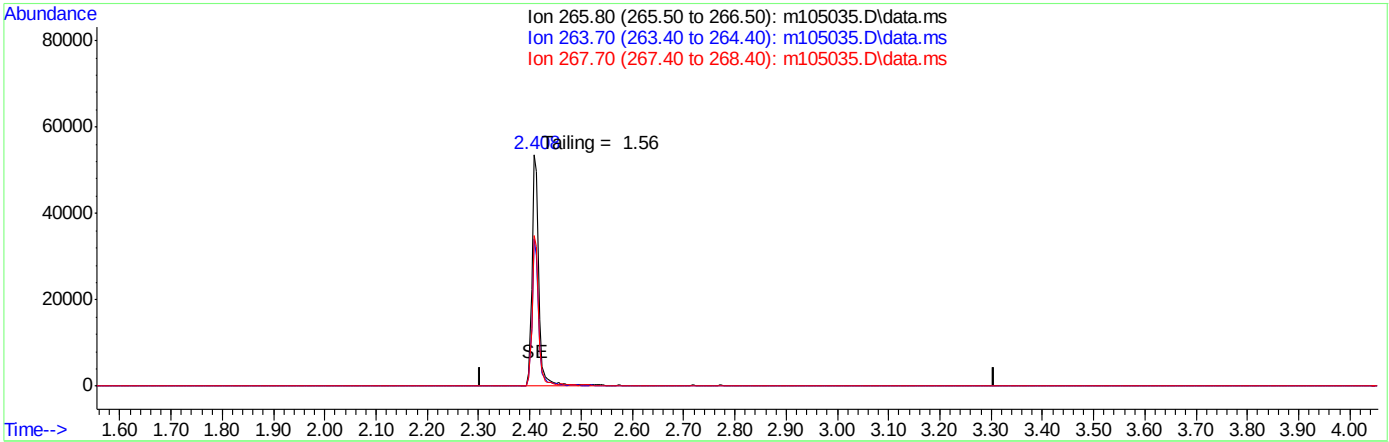
DFTPPm.M Thu Jun 12 12:27:17 2014 MSM

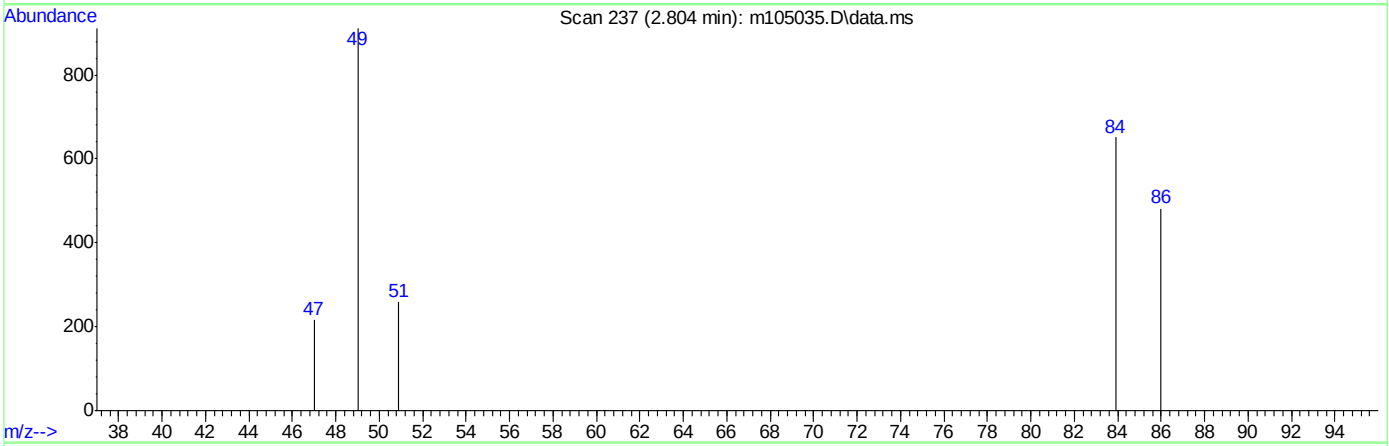
355.10	86	421.95	218
364.95	1331	423.00	1697
365.90	139	423.95	357
372.00	457	441.00	5152
373.10	78	442.00	34101
383.00	74	443.00	6479
402.00	129	444.00	582

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 12:26:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105035.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

response 0

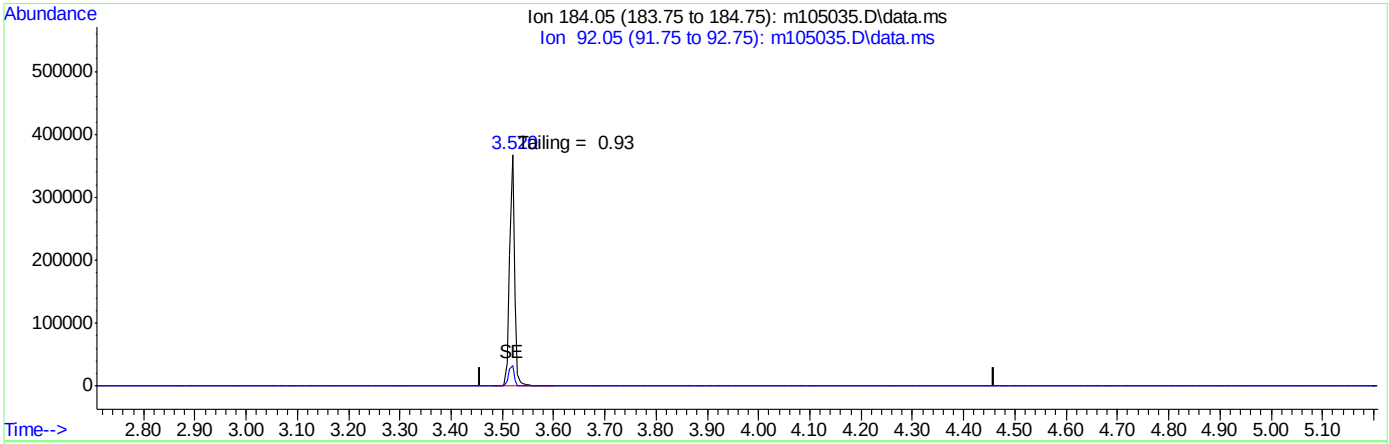
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

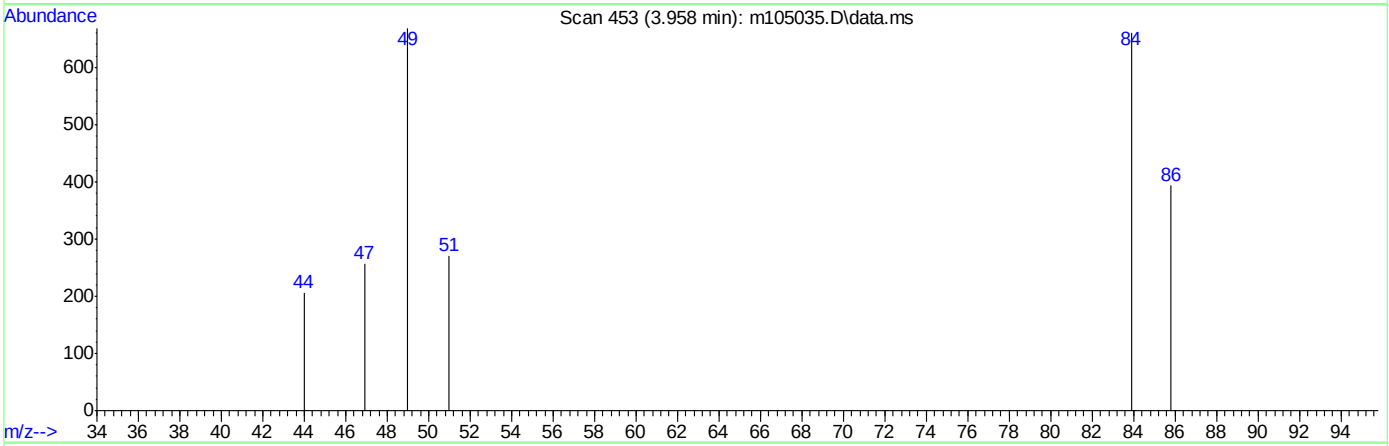
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 12:26:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105035.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

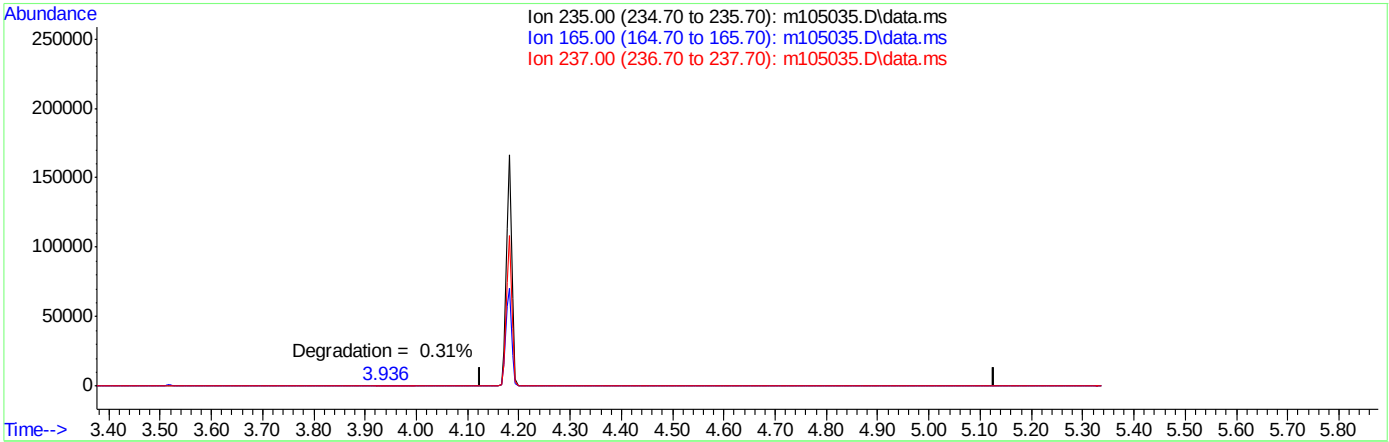
response 0

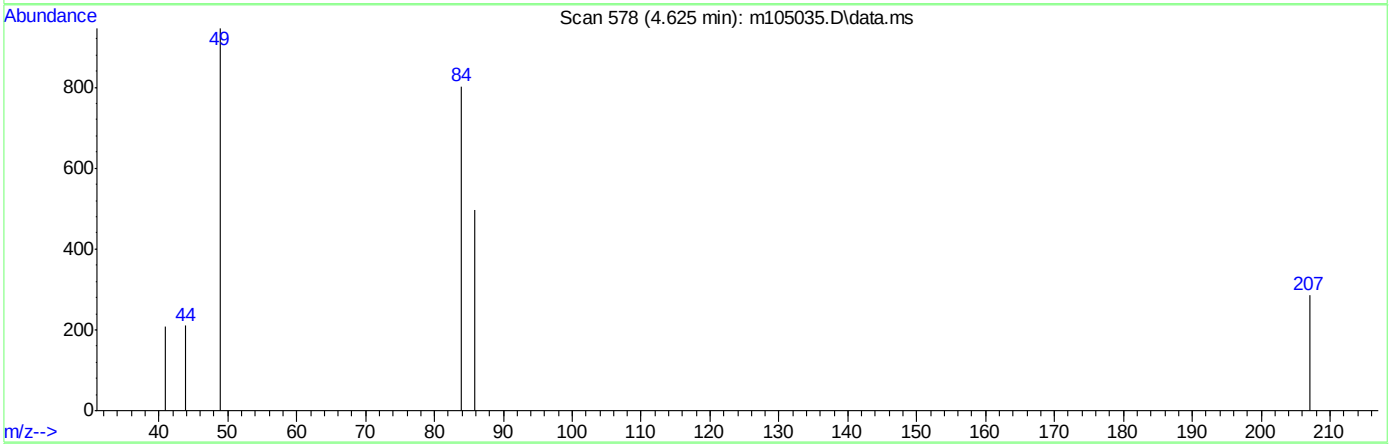
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 12:26:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105035.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

9.5.9.3

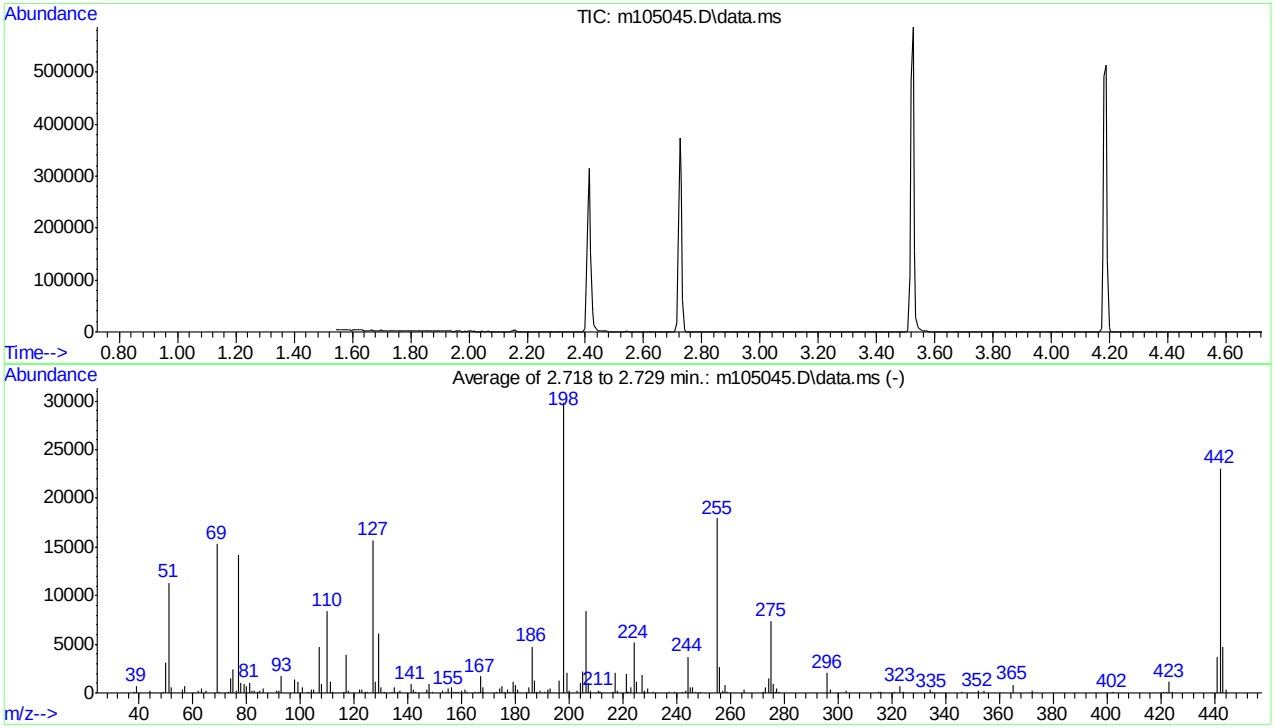
9

DFTPPR

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 221, 222, 223; Background Corrected with Scan 217

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.9	11315	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	51.2	15288	PASS
70	69	0.00	2	0.5	78	PASS
127	198	40	60	52.6	15691	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	29848	PASS
199	198	5	9	6.9	2069	PASS
275	198	10	30	24.8	7401	PASS
365	198	1	100	2.9	852	PASS
441	443	0.10	100	79.1	3697	PASS
442	198	40	100	77.4	23090	PASS
443	442	17	23	20.2	4672	PASS

Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	149	65.00	197	80.95	1078	100.90	528
38.95	705	68.95	15288	81.90	282	103.00	104
44.00	177	69.90	78	82.95	248	103.85	370
48.90	174	73.00	78	83.90	138	105.00	377
50.00	3102	74.00	1523	84.95	290	107.00	4755
51.00	11315	75.00	2394	85.95	448	108.00	889
52.00	582	76.00	187	91.00	182	110.00	8435
55.95	403	77.00	14119	92.00	285	110.95	1189
56.95	737	78.00	1032	93.00	1761	111.80	70
61.95	193	78.95	948	97.95	1357	116.00	106
63.00	463	79.90	693	99.00	1119	117.00	3905

Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.00	194	135.00	525	154.00	82	167.00	1711
121.95	365	136.00	69	154.95	425	167.80	155
122.95	380	136.95	187	156.00	550	168.00	623
123.90	90	140.95	903	156.90	69	172.90	127
124.90	104	141.95	358	158.00	91	173.95	473
127.00	15691	142.90	85	158.70	69	175.00	639
127.95	1174	146.80	82	159.95	187	175.95	170
129.00	6135	147.00	349	161.00	316	176.85	347
129.95	637	147.95	876	162.00	77	177.90	76
131.00	115	148.90	84	164.95	146	178.90	1160
133.90	76	152.95	218	166.00	109	179.95	762

Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
180.95	361	197.90	29848	211.20	113	227.00	1872
184.00	75	198.90	2069	211.50	86	227.95	229
184.95	588	199.95	184	216.00	83	228.95	450
186.00	4780	202.95	214	216.95	2043	231.00	121
187.00	1243	204.00	1057	217.90	289	236.90	76
188.00	68	205.00	2155	221.00	1991	239.00	68
188.90	247	206.00	8455	221.70	117	242.00	112
190.90	87	207.00	1096	222.00	113	243.10	243
191.95	402	207.95	202	223.00	548	244.00	3692
192.95	446	210.60	93	224.00	5165	245.00	526
196.00	1293	210.95	256	225.00	1169	245.95	603

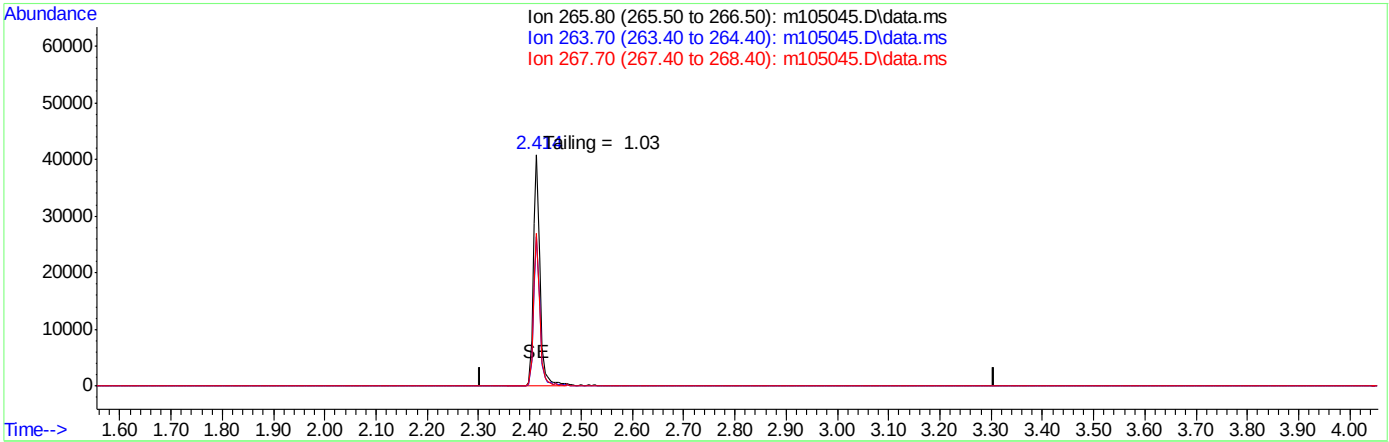
Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

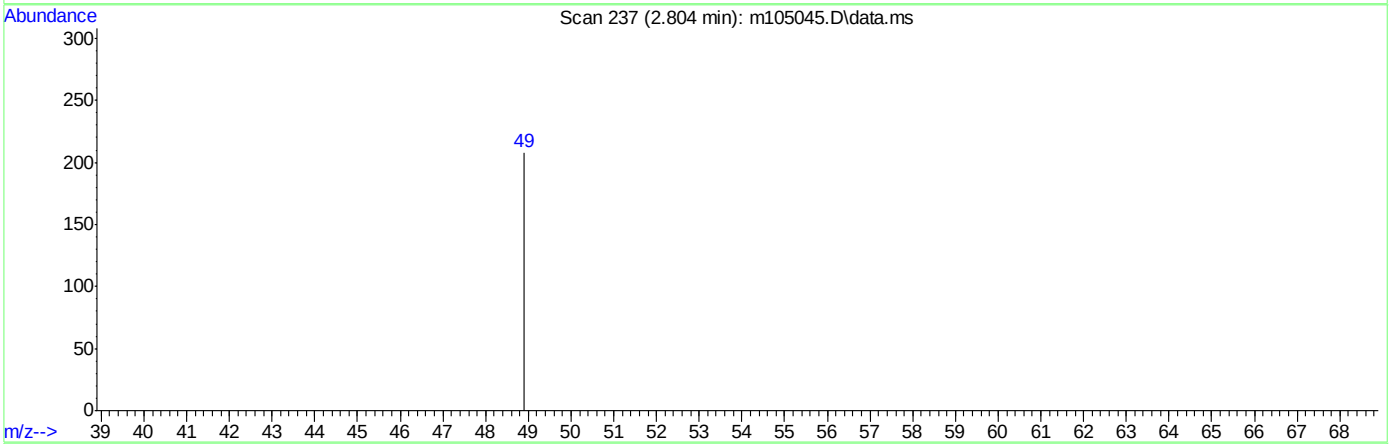
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
246.90	69	275.00	7401	322.95	709	421.90	86
248.90	148	276.00	951	324.00	158	423.00	1100
255.00	17929	276.80	67	333.95	359	424.10	150
255.95	2602	276.95	493	334.90	77	441.00	3697
256.95	223	277.90	68	345.90	90	442.00	23090
257.90	842	296.00	2045	351.95	191	443.00	4672
258.80	89	296.95	368	354.00	186	444.05	366
264.95	334	302.90	240	364.95	852		
271.90	67	314.95	150	371.95	279		
272.95	628	315.90	66	402.00	111		
274.05	1476	321.00	68	420.95	169		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 14:42:32 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105045.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

response 0

Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

9.5.10.1

9

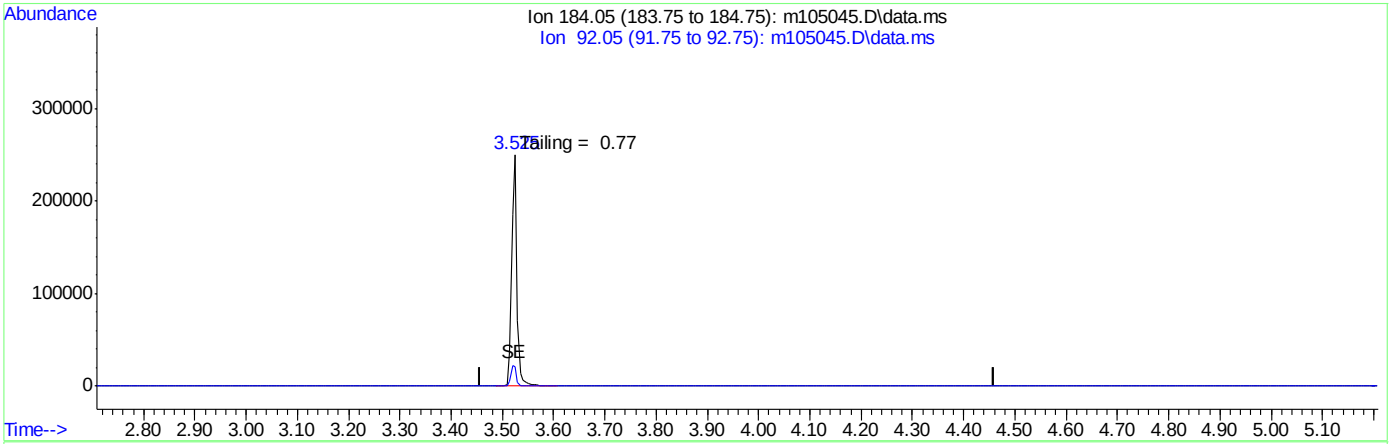
ACCUTEST LABORATORIES JB69534

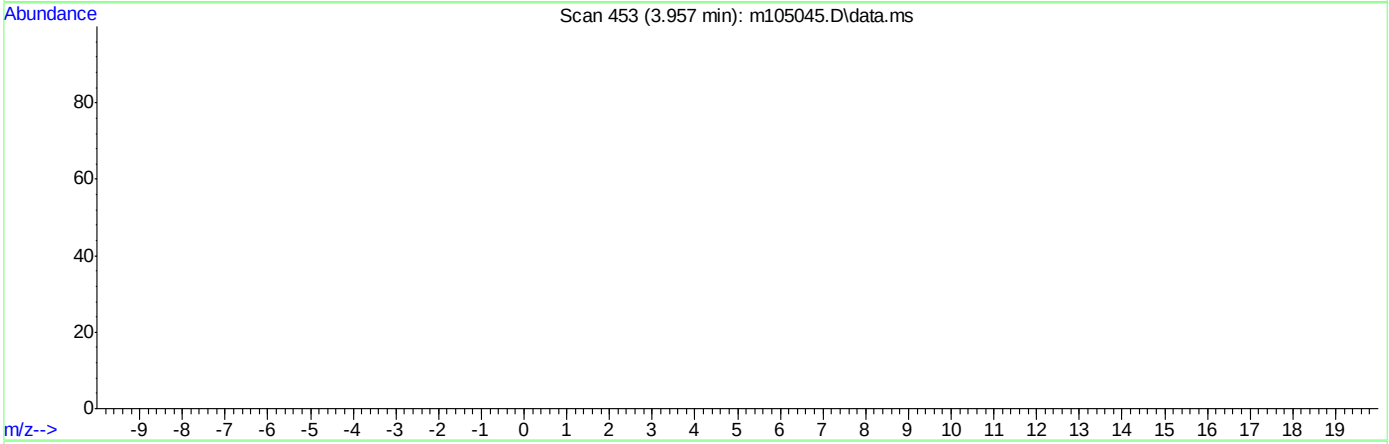
M105045.D edits: Pentachlorophenol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 14:42:32 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105045.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

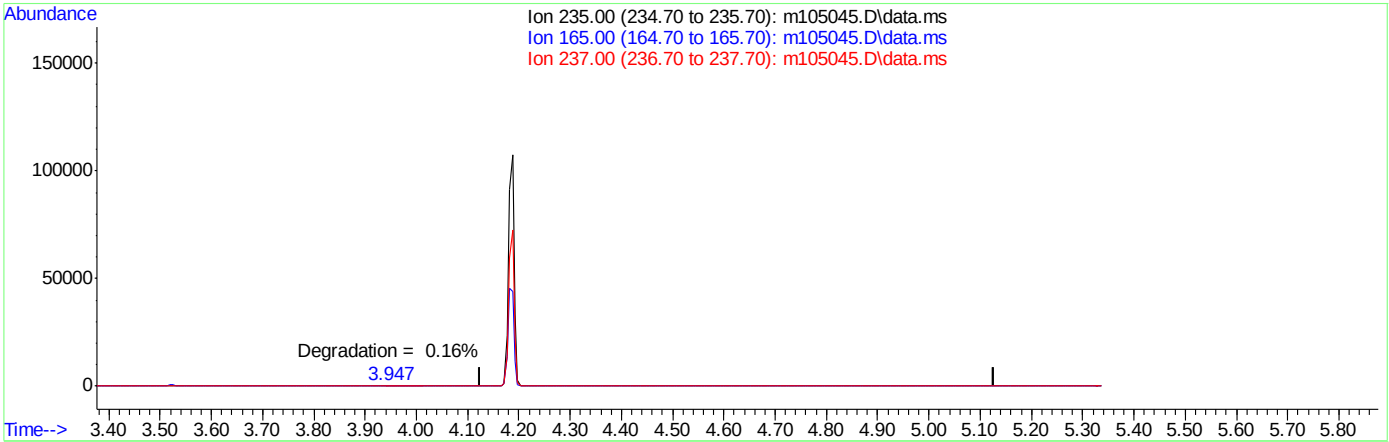
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

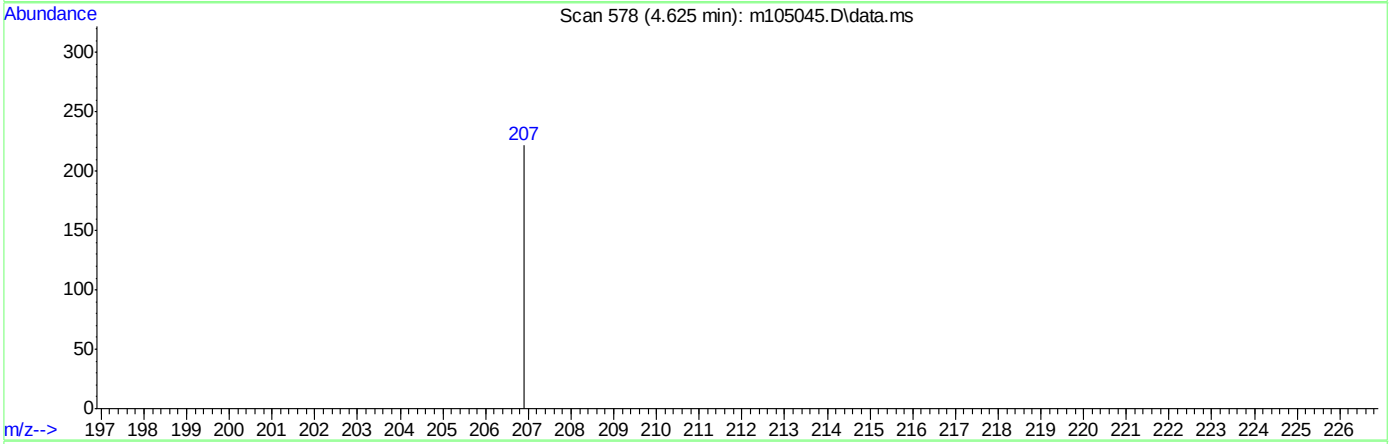
9.5.10.2
9
ACCUTEST LABORATORIES
JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 14:42:32 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105045.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

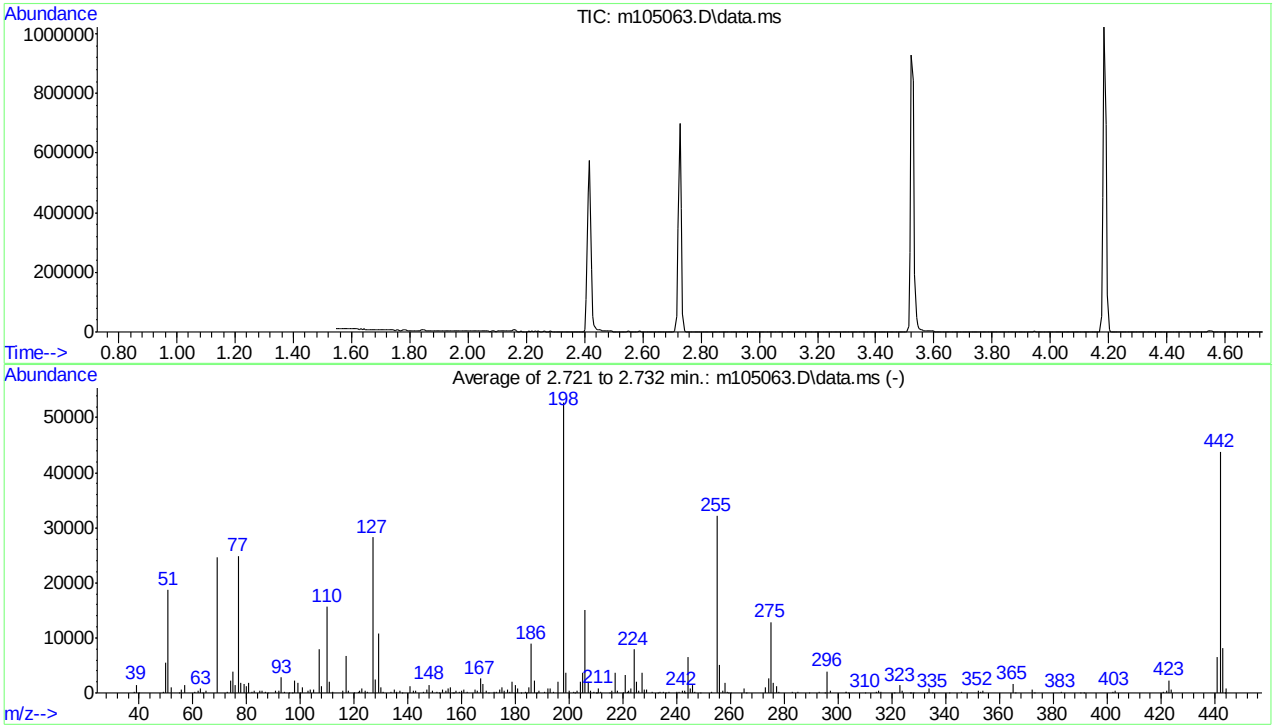
ACCUTEST LABORATORIES JB69534

DFTPPR

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 221, 222, 223; Background Corrected with Scan 217

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.4	18660	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	46.8	24667	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	53.6	28253	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	52752	PASS
199	198	5	9	6.9	3640	PASS
275	198	10	30	24.4	12891	PASS
365	198	1	100	3.0	1571	PASS
441	443	0.10	100	79.1	6430	PASS
442	198	40	100	82.9	43745	PASS
443	442	17	23	18.6	8125	PASS

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	296	61.90	383	79.00	1670	93.00	2774
39.00	1490	62.95	773	79.95	1297	94.00	279
40.00	72	63.90	69	80.95	1877	96.00	82
49.00	179	65.00	441	81.95	291	97.20	81
50.00	5431	69.00	24667	82.95	464	98.00	2196
51.00	18660	73.05	199	84.95	337	99.00	1933
52.00	940	74.00	2337	85.95	396	100.10	66
55.00	67	75.00	3834	87.00	191	101.00	940
55.95	607	76.00	1492	88.00	77	102.80	331
57.00	1494	77.00	24849	90.95	443	103.90	715
60.90	162	78.00	1938	91.95	490	105.00	541

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
107.00	7994	122.95	729	137.00	361	153.00	521
107.95	1306	123.95	359	137.90	87	154.05	391
110.00	15649	124.95	256	141.00	1252	155.00	740
110.95	2096	127.00	28253	142.00	442	156.00	1039
111.90	197	128.00	2363	142.75	363	156.80	105
116.00	350	129.00	10706	146.00	110	157.10	85
117.00	6703	130.00	1091	147.00	595	158.00	395
117.90	478	130.90	148	147.95	1506	158.95	280
120.00	68	133.85	273	149.00	396	159.95	467
121.80	166	135.00	586	151.00	186	161.00	624
122.00	458	135.95	306	151.70	73	161.95	189

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
164.95	525	176.95	530	187.80	97	201.90	90
166.00	456	177.75	167	188.90	462	202.95	409
166.95	2623	178.90	2021	190.95	233	204.00	2072
167.95	1654	179.95	1521	192.00	767	205.00	3654
168.95	333	180.95	749	192.95	857	206.00	14981
169.90	73	181.90	89	193.95	244	207.00	2028
171.90	119	183.85	198	196.00	2039	207.90	476
172.95	261	184.30	81	197.95	52752	209.00	122
173.95	644	185.05	991	198.90	3640	210.00	97
175.00	1052	186.00	8897	199.90	325	210.30	89
175.95	386	187.00	2333	201.45	296	210.85	874

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.60	178	225.00	2080	240.00	160	255.00	32146
214.90	81	226.00	361	240.75	248	256.00	5187
216.00	425	226.95	3638	241.95	477	257.00	406
216.95	3667	227.95	593	242.80	87	257.95	1812
217.95	439	228.95	632	242.95	402	258.90	221
220.00	71	231.00	249	244.00	6498	259.10	79
221.00	3249	233.10	79	244.95	886	260.00	68
221.60	186	233.95	172	245.90	1337	265.00	768
222.05	379	235.00	138	246.85	191	265.90	97
222.95	896	235.90	82	248.90	84	273.00	1007
224.00	7883	237.00	244	252.95	240	274.00	2699

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
275.00	12891	302.80	115	327.10	76	365.80	107
276.00	1749	303.05	241	327.80	72	372.00	694
277.00	1289	303.80	73	332.80	68	373.00	106
277.80	170	310.10	100	333.95	742	382.95	174

DFTPPm.M Fri Jun 13 10:21:28 2014 MSM

283.00	150	314.05	180	335.10	94	389.90	78
285.05	264	315.00	440	341.10	80	391.20	78
289.00	94	316.05	224	345.90	181	401.95	243
292.90	210	321.00	76	352.00	421	402.90	488
294.90	109	323.00	1357	353.00	226	420.85	294
295.95	3916	323.95	320	353.95	336	422.00	333
297.00	432	326.80	93	364.90	1571	423.00	2268

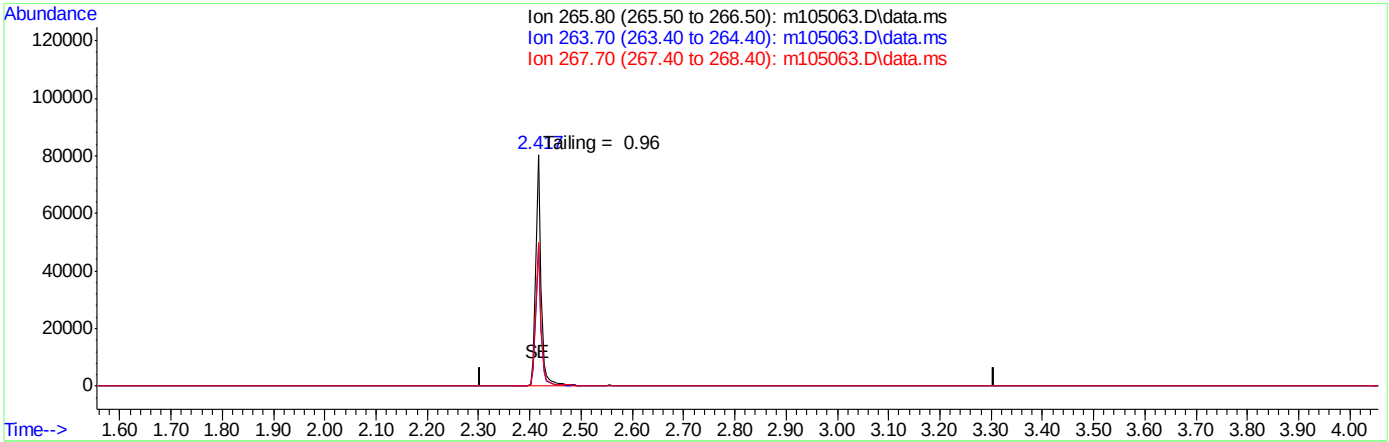
Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

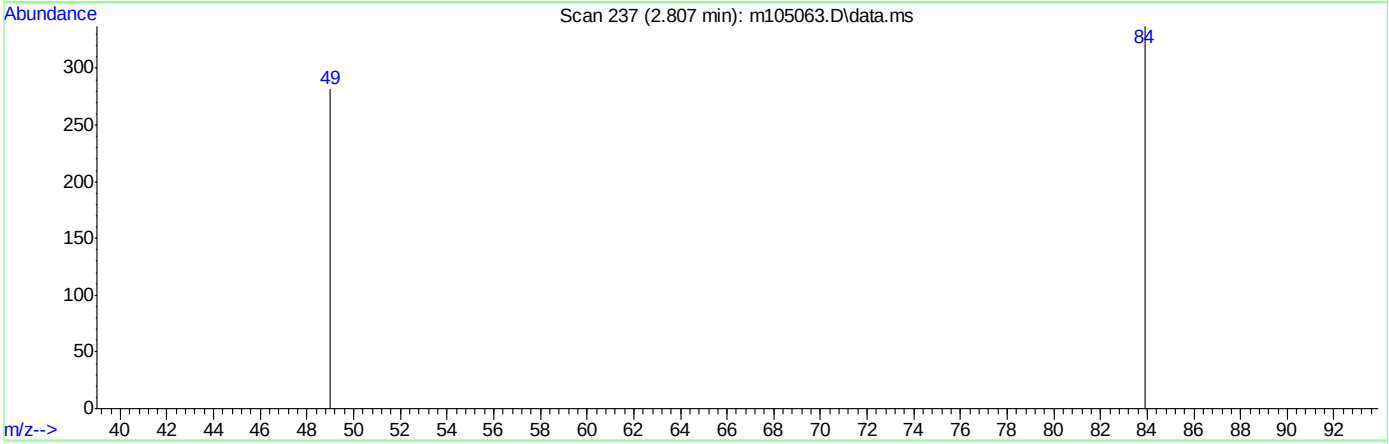
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
423.95	542						
441.00	6430						
442.00	43745						
443.00	8125						
443.80	94						
444.05	842						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 09:47:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105063.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

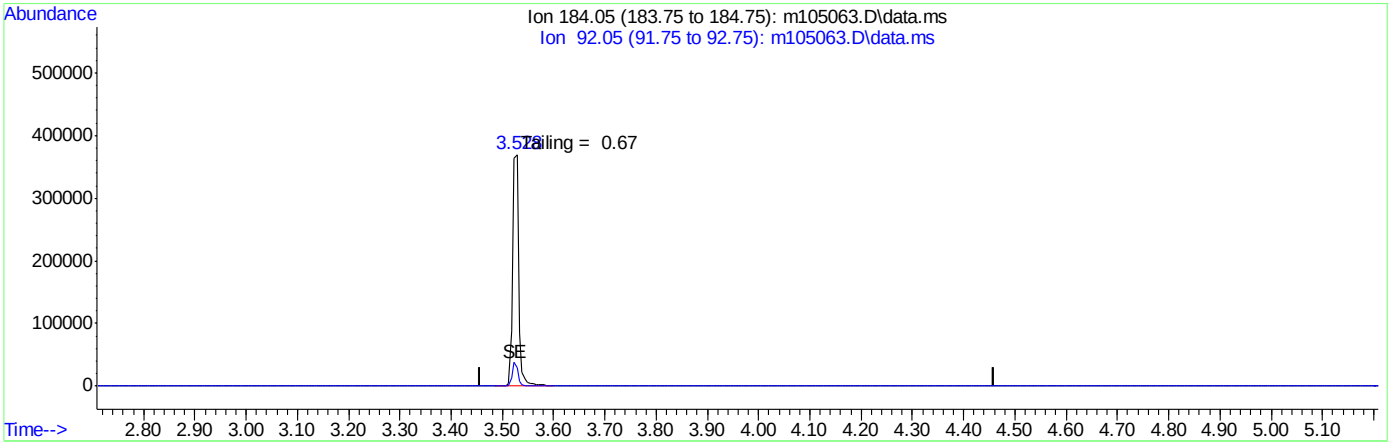
response 0

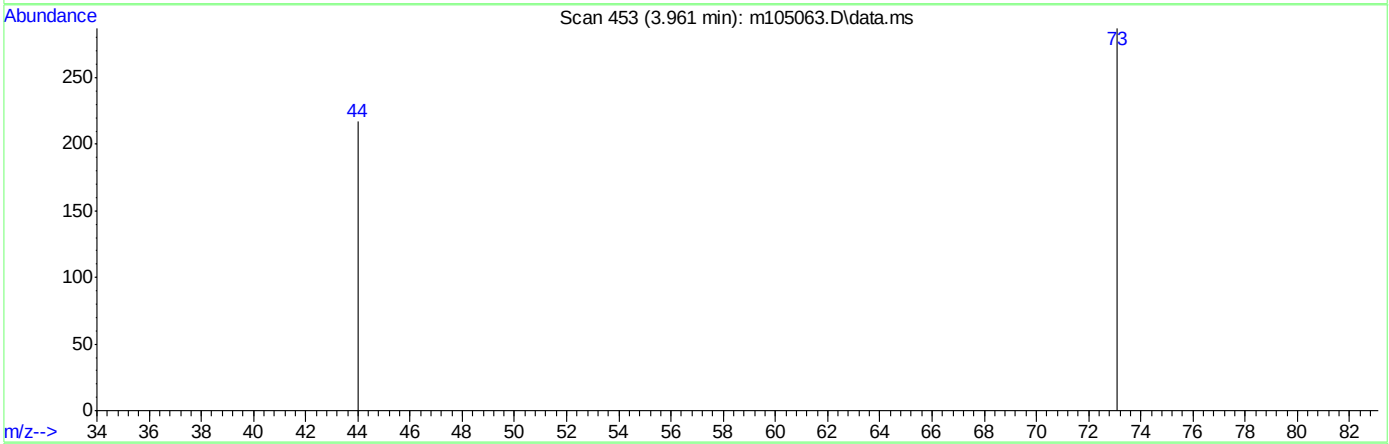
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 09:47:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105063.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

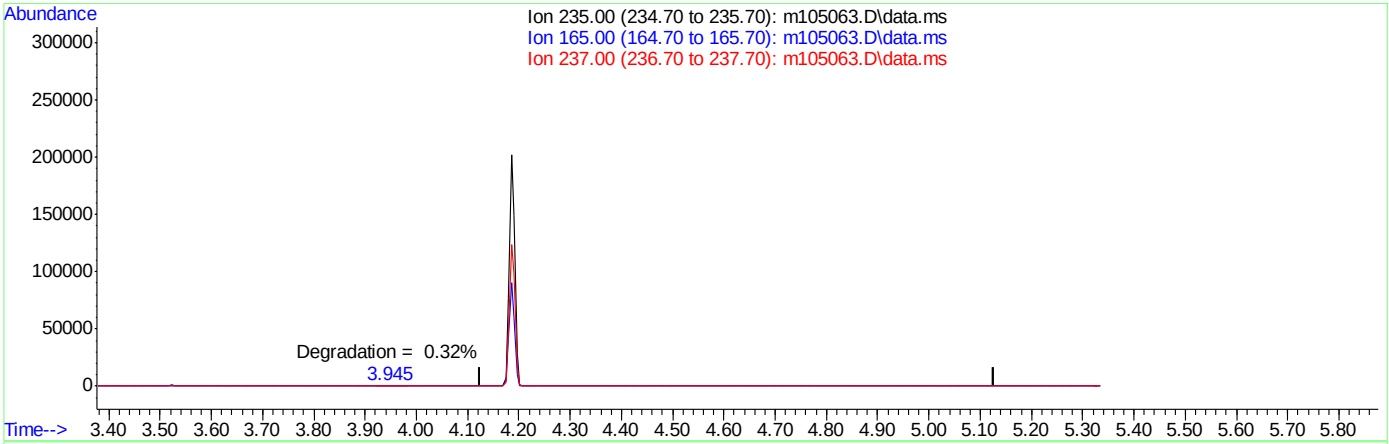
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

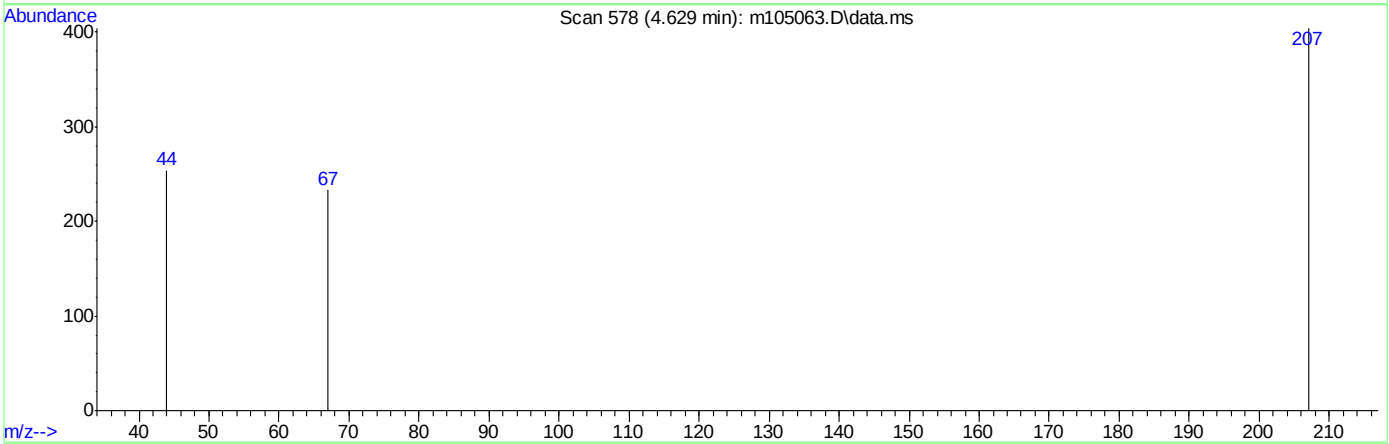
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 09:47:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105063.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

9.5.11.3

9

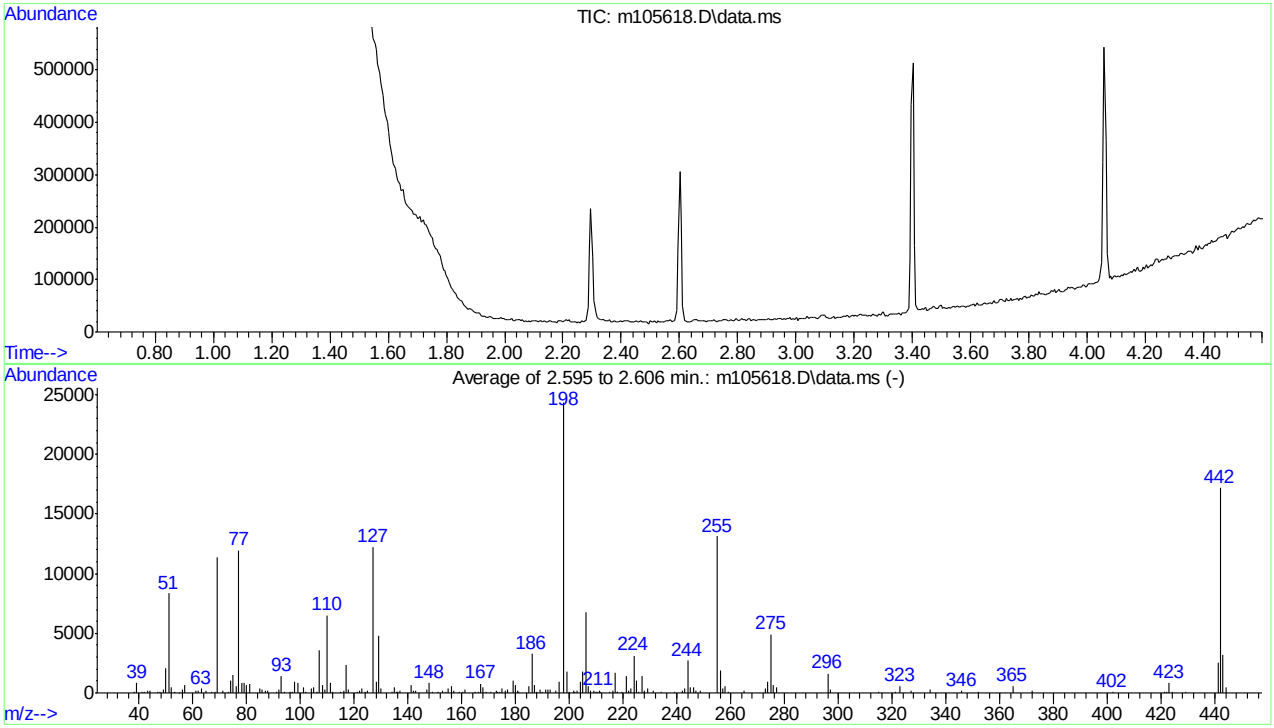
ACCUTEST LABORATORIES JB69534

DFTPPR

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105618.D
Acq On : 26 Jun 2014 9:57 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73826,em4324
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 198, 199, 200; Background Corrected with Scan 194

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.2	8324	PASS
68	69	0.00	2	0.7	74	PASS
69	198	0.00	100	46.6	11335	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.2	12223	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	24344	PASS
199	198	5	9	7.5	1834	PASS
275	198	10	30	20.2	4910	PASS
365	198	1	100	2.5	613	PASS
441	443	0.10	100	80.5	2553	PASS
442	198	40	100	70.6	17176	PASS
443	442	17	23	18.5	3172	PASS

Average of 2.595 to 2.606 min.: m105618.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	143	52.00	471	69.00	11335	85.05	387
39.05	832	53.00	78	71.10	147	85.90	304
41.00	72	55.00	33	73.00	116	86.90	152
42.00	77	55.95	270	74.00	1016	87.90	167
43.05	165	57.00	684	75.00	1493	91.00	50
43.95	216	61.00	148	76.00	594	91.95	327
46.95	124	62.00	149	77.00	11950	92.95	1439
47.95	74	63.00	362	78.00	812	93.90	93
49.00	246	64.95	217	79.00	867	96.00	82
49.95	2071	67.00	107	79.95	685	97.00	106
51.00	8324	68.00	74	81.00	772	97.95	979

Average of 2.595 to 2.606 min.: m105618.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
98.95	832	111.90	87	128.00	989	146.90	304
100.95	428	114.80	76	128.95	4763	147.95	831
102.00	74	115.95	203	129.90	376	149.00	106
103.90	354	116.90	2340	133.90	70	151.00	100
104.95	513	117.95	238	134.95	432	152.90	185
106.10	106	121.00	74	135.90	70	154.00	94
107.00	3607	121.90	211	136.10	78	154.95	425
108.00	646	122.95	384	137.00	195	156.00	541
109.05	239	123.90	67	140.95	664	156.95	206
110.00	6497	125.00	212	141.90	178	159.00	98
110.95	818	127.00	12223	143.00	236	160.10	86

Average of 2.595 to 2.606 min.: m105618.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
160.95	330	176.00	183	189.90	79	202.85	217
165.00	55	176.95	309	191.05	293	204.00	904
166.00	75	178.90	1075	192.00	276	204.90	1774
167.00	765	179.95	619	192.95	312	206.00	6749
167.95	511	180.90	158	195.05	164	206.95	575
168.90	79	181.10	132	195.95	959	208.00	190
170.90	82	184.95	600	197.90	24344	209.00	186
172.90	168	186.00	3251	198.95	1834	209.90	71
173.20	86	186.95	707	200.00	79	210.30	121
173.90	136	188.00	78	201.45	182	211.00	203
174.95	336	189.00	282	202.10	114	211.70	67

Average of 2.595 to 2.606 min.: m105618.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
215.00	69	225.80	82	245.95	455	275.00	4910
215.95	224	226.95	1369	247.00	169	275.90	706
216.90	1718	227.95	155	248.85	179	276.95	432
217.80	127	228.95	374	255.00	13155	295.95	1641
218.00	76	230.95	156	255.95	1910	296.90	253
219.30	81	233.95	143	256.90	344	314.90	95
220.95	1396	239.00	90	257.85	596	321.00	67
222.00	234	241.90	195	259.00	68	322.95	591
222.95	411	242.95	340	264.90	216	326.90	173
224.00	3137	244.00	2682	272.95	405	333.95	262
225.00	1060	245.05	518	273.85	968	345.90	156

Average of 2.595 to 2.606 min.: m105618.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
351.90	75	443.00	3172				
364.90	613	443.95	432				
372.00	218						
401.90	80						

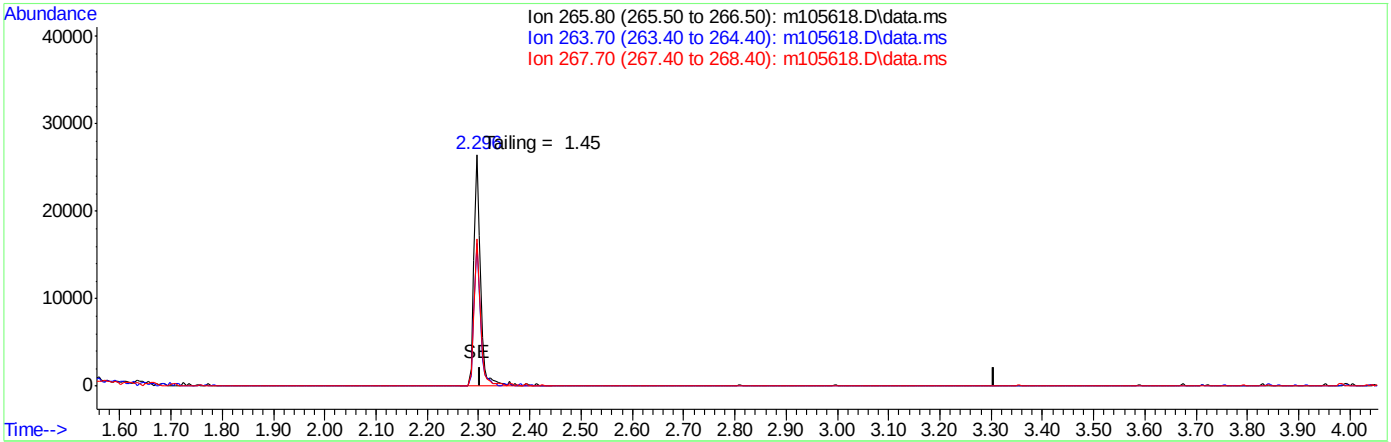
DFTPPm.M Fri Jun 27 08:44:16 2014 MSM

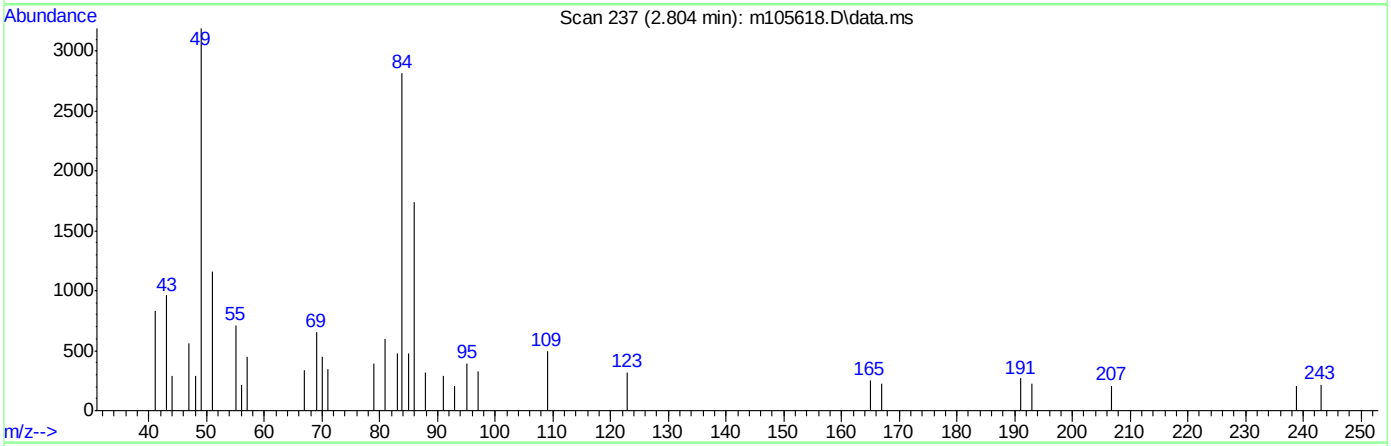
421.00	69
422.00	75
422.90	803
423.90	97
429.00	70
441.00	2553
442.00	17176

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105618.D
Acq On : 26 Jun 2014 9:57 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73826,em4324
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 22:03:06 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105618.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

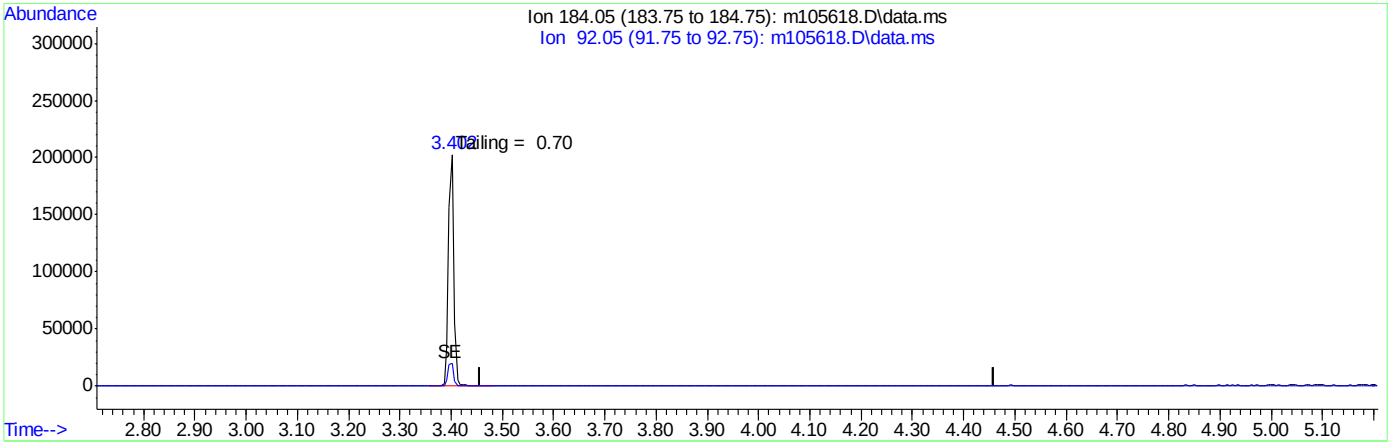
response 0

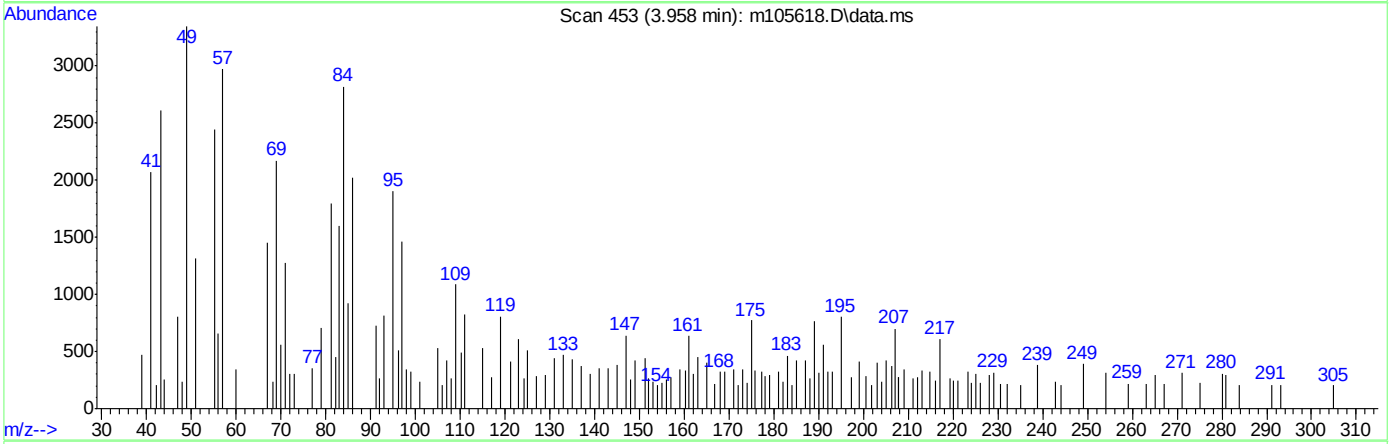
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105618.D
Acq On : 26 Jun 2014 9:57 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73826,em4324
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 22:03:06 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105618.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

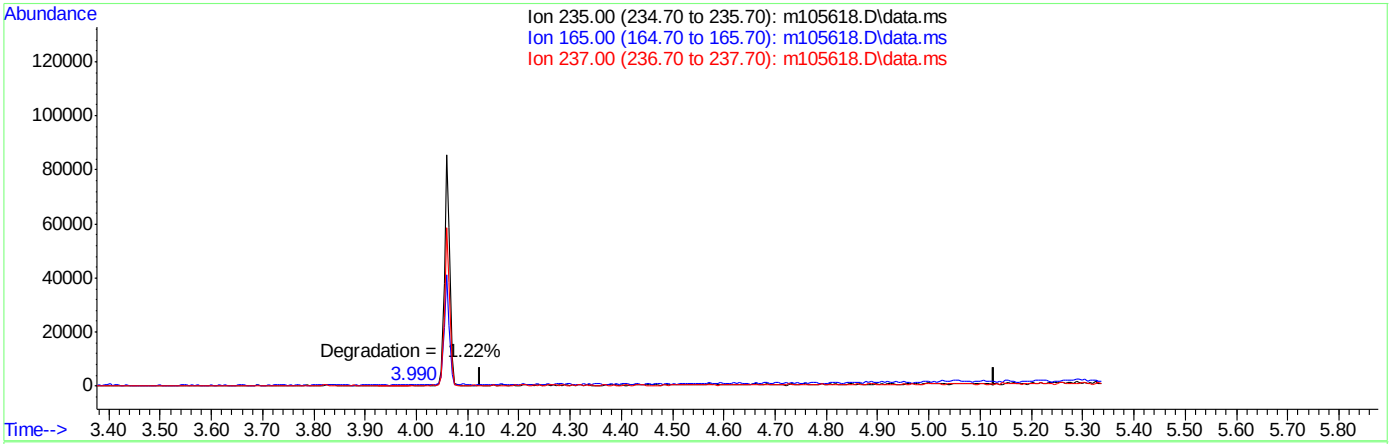
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

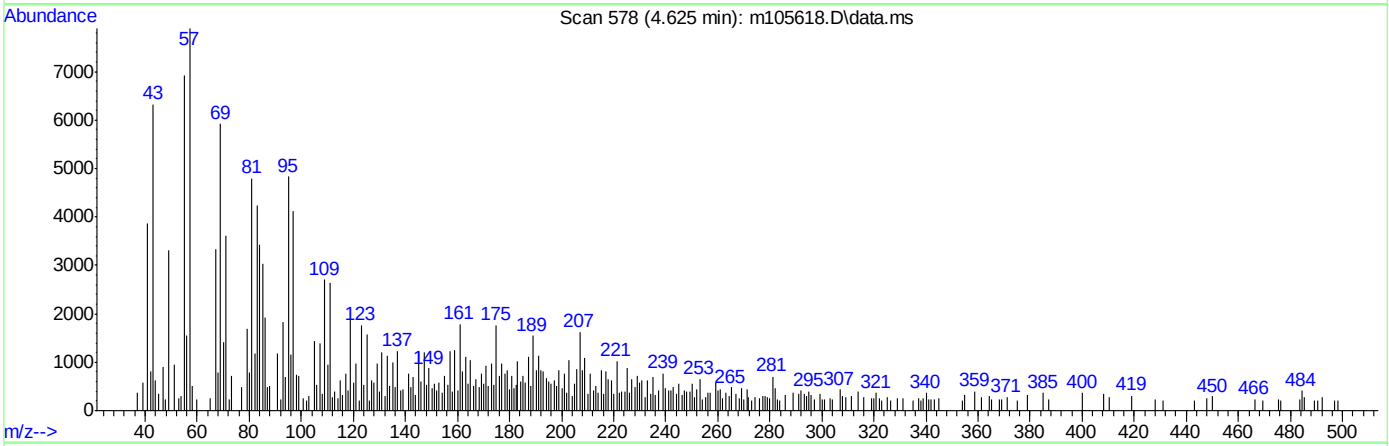
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105618.D
Acq On : 26 Jun 2014 9:57 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73826,em4324
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 22:03:06 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105618.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

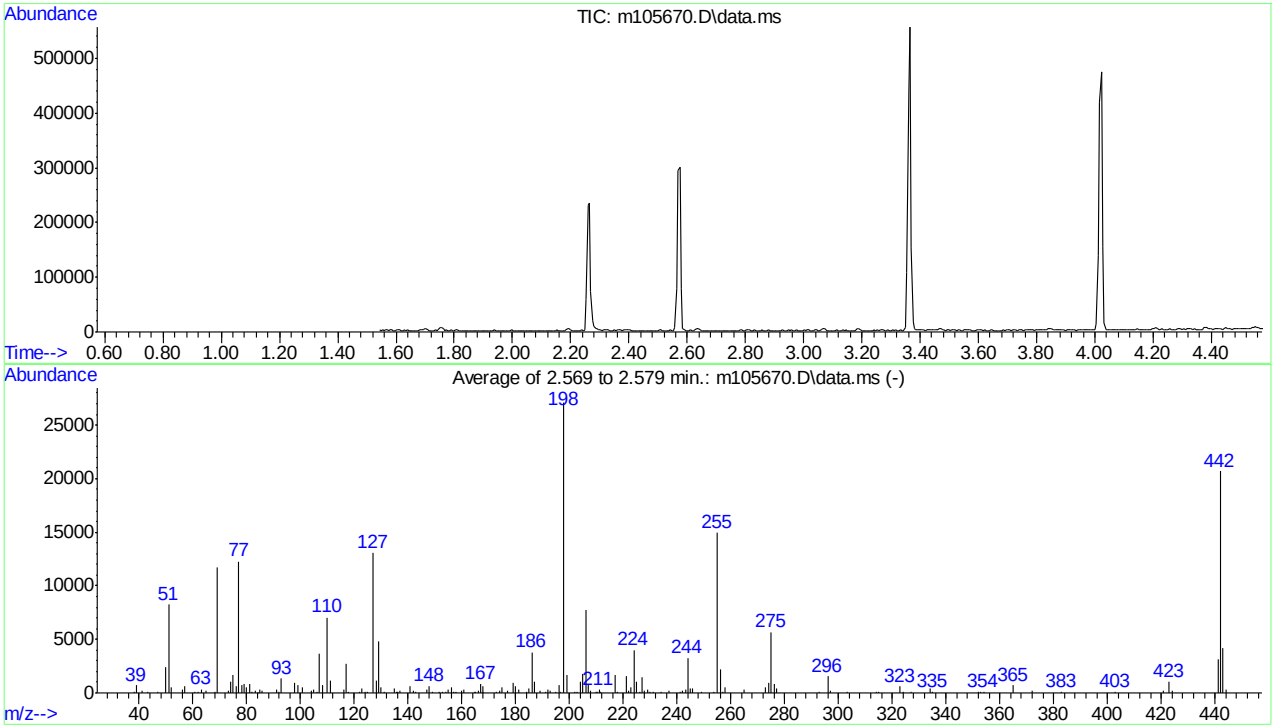
ACCUTEST LABORATORIES JB69534

DFTPPR

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105670.D
Acq On : 27 Jun 2014 3:32 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4326
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 193, 194, 195; Background Corrected with Scan 188

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.5	8258	PASS
68	69	0.00	2	1.0	112	PASS
69	198	0.00	100	43.2	11722	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	13031	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	27106	PASS
199	198	5	9	6.1	1663	PASS
275	198	10	30	21.0	5697	PASS
365	198	1	100	2.6	694	PASS
441	443	0.10	100	75.8	3163	PASS
442	198	40	100	76.3	20672	PASS
443	442	17	23	20.2	4173	PASS

Average of 2.569 to 2.579 min.: m105670.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	83	61.90	108	79.00	817	97.95	987
39.00	722	63.00	339	79.95	513	99.00	758
41.00	182	64.95	202	81.00	803	100.90	482
43.00	113	68.00	112	82.00	132	103.95	231
46.90	112	69.00	11722	83.00	196	104.90	273
50.00	2458	73.00	216	83.90	53	106.00	90
51.00	8258	74.00	1003	85.00	287	107.00	3716
52.00	478	75.00	1650	85.90	198	108.00	787
55.95	341	76.05	618	91.00	319	110.00	7039
57.00	672	77.00	12283	91.90	80	111.00	1152
60.90	80	78.00	769	92.95	1325	115.95	265

Average of 2.569 to 2.579 min.: m105670.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
117.00	2702	135.05	380	152.90	137	167.00	822
117.90	86	135.90	79	154.00	111	167.60	75
121.85	141	136.10	76	154.95	335	168.00	579
122.95	465	136.95	255	155.95	556	172.95	153
123.95	157	140.90	607	157.00	74	174.00	238
124.90	68	141.95	257	158.00	144	175.00	527
127.00	13031	142.95	138	159.90	241	176.90	243
128.00	1139	146.95	340	160.90	268	178.95	997
128.95	4770	147.95	674	164.80	143	180.00	618
129.95	542	148.90	73	165.00	71	181.00	322
131.00	69	151.60	67	166.05	179	183.90	68

Average of 2.569 to 2.579 min.: m105670.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
185.05	458	198.95	1663	211.50	67	228.95	289
186.00	3799	201.90	78	216.90	1683	229.90	126
187.00	1005	203.00	156	218.00	91	231.00	72
188.95	192	204.00	1021	221.00	1622	234.10	71
191.00	104	205.00	1790	222.05	174	237.00	186
191.85	348	206.00	7732	222.90	499	241.00	82
192.95	264	206.95	844	224.00	4008	242.05	194
195.00	69	207.80	193	225.00	1021	243.05	278
195.95	734	210.00	70	226.00	83	244.00	3270
196.50	127	210.40	107	226.95	1449	245.00	409
197.90	27106	211.00	270	227.95	178	245.90	414

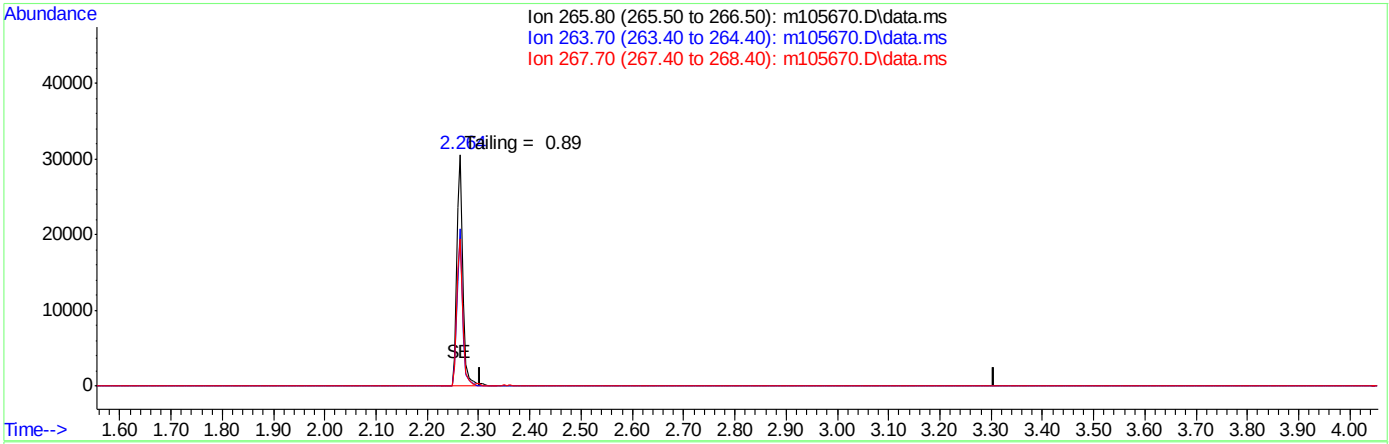
Average of 2.569 to 2.579 min.: m105670.D\data.ms
DFTPP
Modified:subtracted

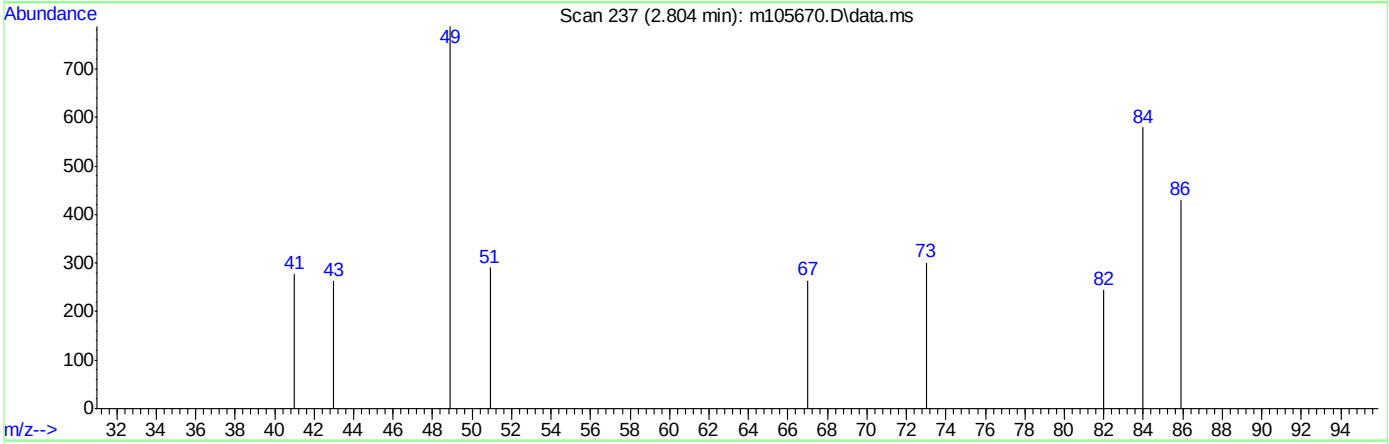
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
249.00	91	276.90	453	335.00	85	441.00	3163
253.80	115	292.90	128	352.00	84	442.00	20672
255.00	14922	295.95	1569	353.00	82	443.00	4173
256.00	2172	297.00	223	354.00	85	443.95	340
256.90	78	303.10	95	364.95	694		
257.95	565	314.00	68	372.05	178		
264.95	282	314.90	141	383.00	70		
272.90	531	322.95	617	402.90	87		
273.95	962	323.90	89	420.90	165		
274.95	5697	326.80	80	423.00	1046		
276.00	875	333.90	395	424.10	178		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105670.D
Acq On : 27 Jun 2014 3:32 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4326
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:38:47 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105670.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

response 0

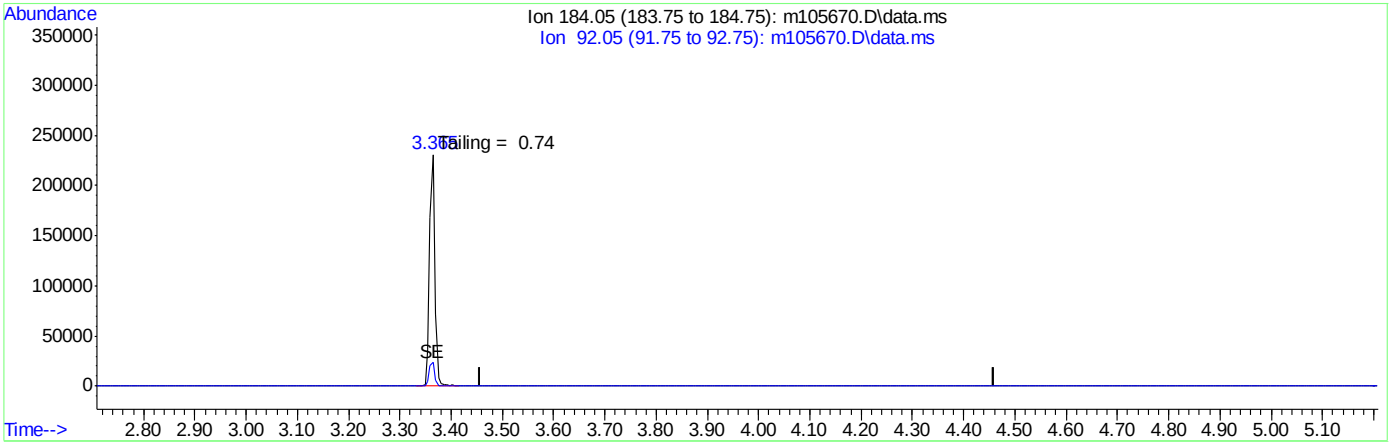
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

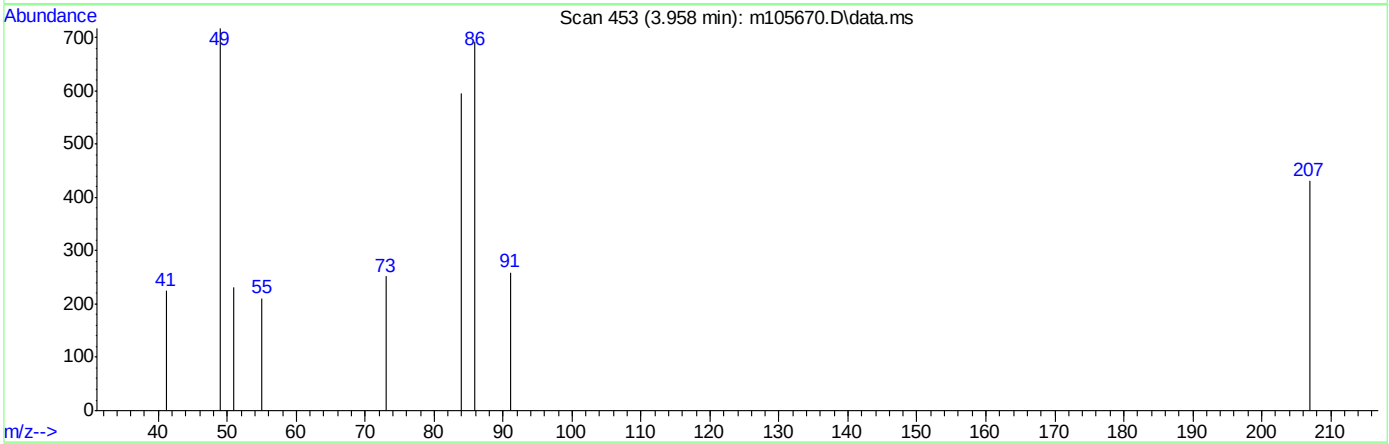
9.5.13.1
9
ACCUTEST LABORATORIES
JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105670.D
Acq On : 27 Jun 2014 3:32 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4326
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:38:47 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105670.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

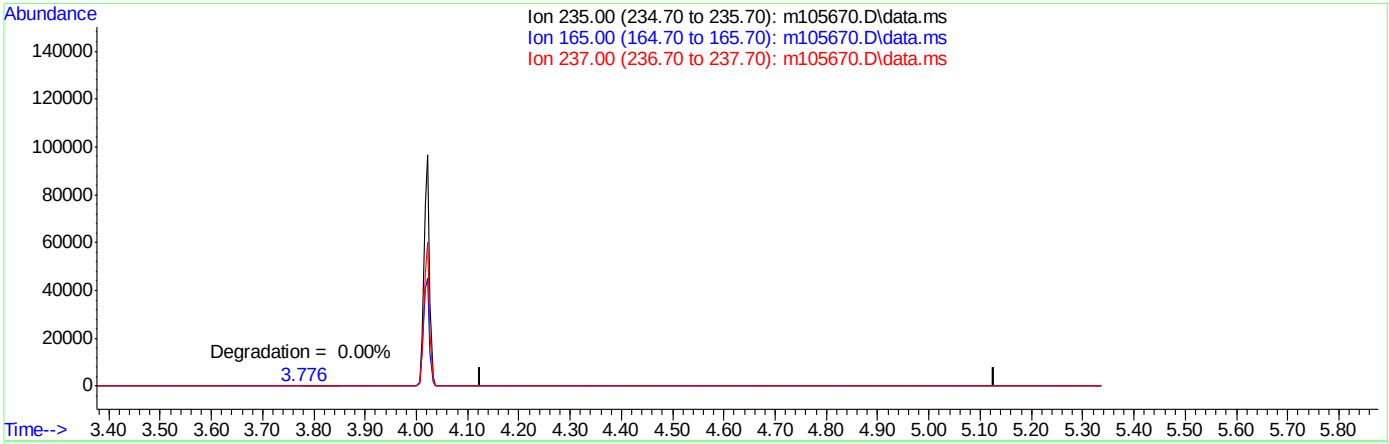
response 0

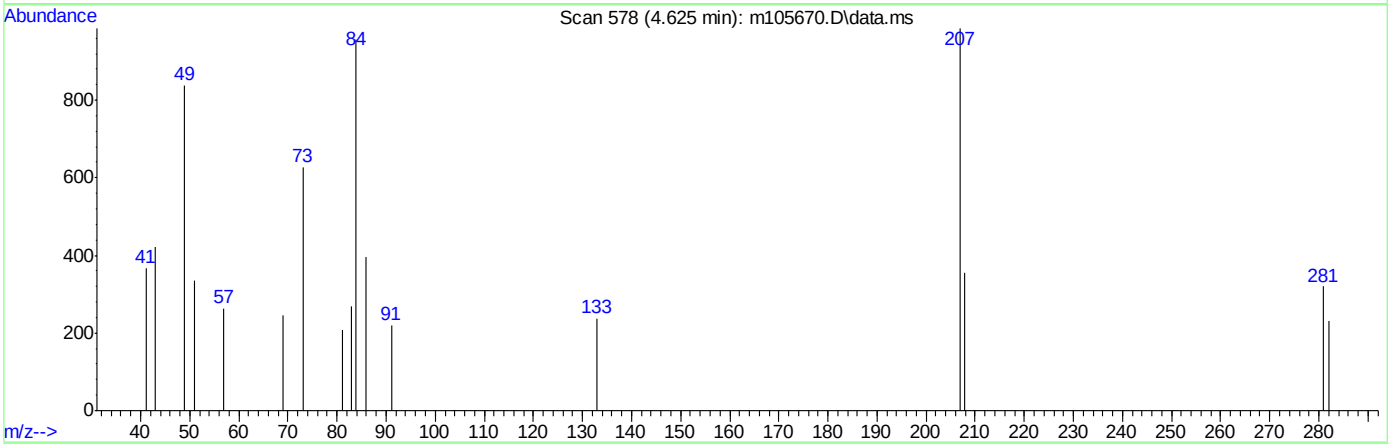
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105670.D
Acq On : 27 Jun 2014 3:32 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4326
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:38:47 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105670.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

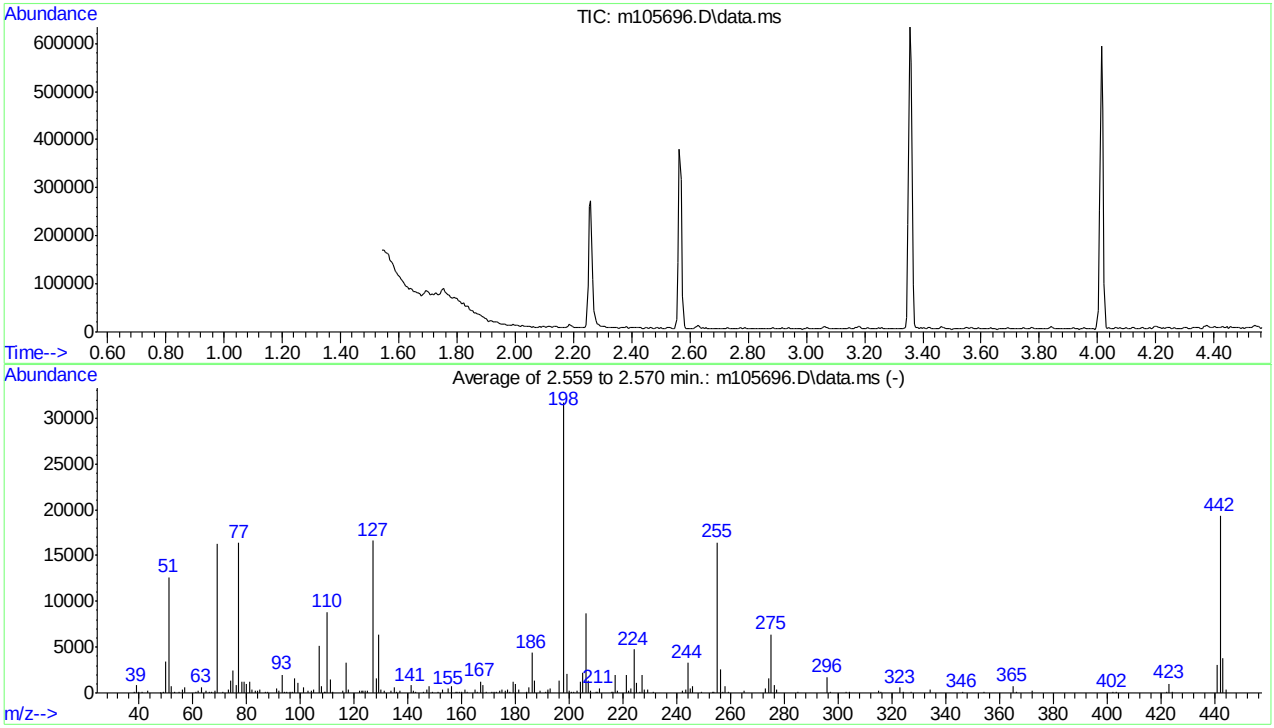
ACCUTEST LABORATORIES JB69534

DFTPPR

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105696.D
Acq On : 28 Jun 2014 1:57 pm
Operator : andrews1
Sample : DFTPP
Misc : op73826,em4327
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 191, 192, 193; Background Corrected with Scan 187

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.8	12619	PASS
68	69	0.00	2	1.6	268	PASS
69	198	0.00	100	51.4	16299	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.5	16627	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	31697	PASS
199	198	5	9	6.5	2068	PASS
275	198	10	30	20.1	6370	PASS
365	198	1	100	2.3	740	PASS
441	443	0.10	100	82.0	3106	PASS
442	198	40	100	60.8	19286	PASS
443	442	17	23	19.7	3790	PASS

Average of 2.559 to 2.570 min.: m105696.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	111	54.95	100	71.00	174	83.00	260
39.00	841	55.95	393	73.00	345	83.90	195
39.90	80	57.00	632	74.00	1335	85.00	348
41.00	130	61.00	88	75.00	2421	86.90	145
43.00	225	61.95	300	76.10	917	87.90	150
47.90	19	63.00	634	77.00	16394	90.95	470
49.00	93	65.00	252	78.00	1194	92.00	257
50.00	3470	66.00	72	79.00	1239	93.00	1965
50.95	12619	67.00	136	80.00	923	94.00	176
52.00	701	68.05	268	80.95	1247	95.00	101
53.10	88	69.00	16299	82.05	394	96.00	71

Average of 2.559 to 2.570 min.: m105696.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	144	109.95	8875	124.95	207	141.95	223
97.95	1631	111.00	1465	127.00	16627	143.00	121
98.95	1121	112.00	109	128.00	1596	145.90	69
100.95	670	115.90	204	129.00	6350	146.90	333
102.95	254	116.95	3364	129.95	428	147.90	773
103.90	270	117.95	359	131.00	210	148.95	133
104.95	430	121.80	72	133.80	192	151.20	78
106.95	5122	122.00	272	134.95	610	152.95	409
107.95	776	122.80	217	135.90	166	155.05	446
108.90	80	123.00	240	137.00	253	155.95	691
109.10	98	123.95	195	140.95	838	157.80	82

Average of 2.559 to 2.570 min.: m105696.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.10	70	172.00	88	184.95	666	200.00	209
159.00	70	172.90	135	186.00	4377	200.90	81
159.90	106	173.95	245	186.95	1342	201.60	77
160.95	421	174.95	412	188.90	267	203.00	197
162.00	80	175.95	195	191.00	95	204.00	1169
164.90	383	176.95	344	191.80	128	205.00	2212
165.90	160	178.00	95	191.95	335	206.00	8744
166.95	1263	178.90	1208	192.95	544	207.00	1384
167.95	893	180.00	925	195.95	1405	207.90	299
169.00	85	180.95	416	197.90	31697	210.00	74
171.00	79	184.00	71	198.90	2068	210.40	155

Average of 2.559 to 2.570 min.: m105696.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.05	529	226.95	1977	253.50	75	276.95	413
215.90	115	227.95	333	255.00	16432	284.90	79
216.10	113	229.00	407	255.95	2623	295.90	1757
216.90	1980	231.00	98	256.90	102	296.90	155
218.00	214	241.85	261	257.90	799	303.00	101
221.00	1922	243.10	321	259.00	77	304.00	67
221.80	195	244.00	3282	264.95	289	314.85	195
222.95	548	245.00	521	272.95	507	315.90	112
224.00	4745	245.90	703	274.00	1589	323.00	588
224.95	1165	248.90	87	275.00	6370	324.00	73
226.10	68	253.20	86	275.95	899	326.90	71

Average of 2.559 to 2.570 min.: m105696.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.00	378	440.95	3106				
346.00	81	442.00	19286				
353.90	96	443.00	3790				
364.90	740	443.95	348				

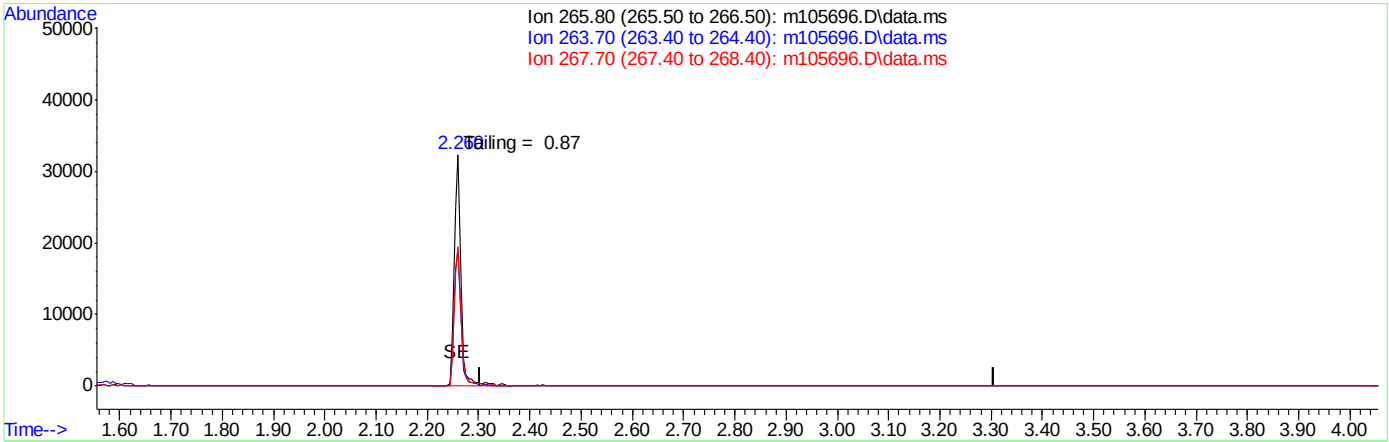
DFTPPm.M Sat Jun 28 17:59:17 2014 MSM

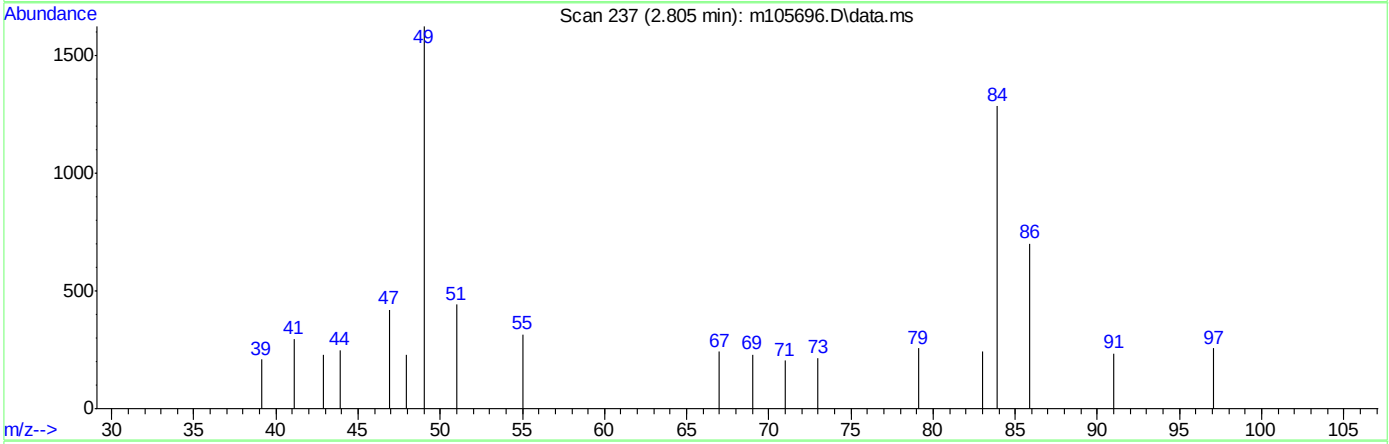
366.00	86
372.00	225
402.00	115
403.10	96
422.00	107
423.00	1001
423.90	100

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105696.D
Acq On : 28 Jun 2014 1:57 pm
Operator : andrews1
Sample : DFTPP
Misc : op73826,em4327
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 14:03:53 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105696.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

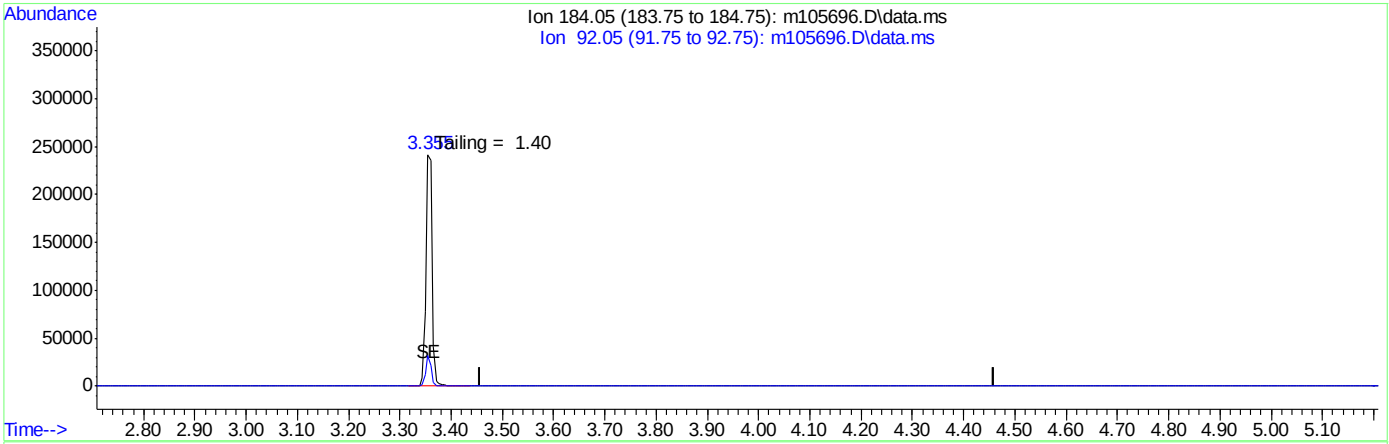
response 0

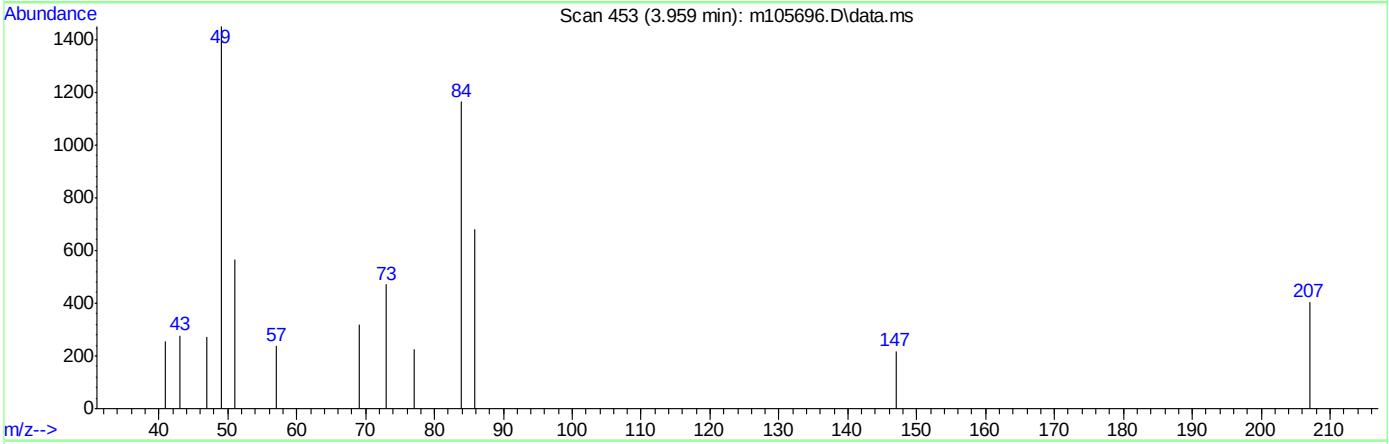
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105696.D
Acq On : 28 Jun 2014 1:57 pm
Operator : andrews1
Sample : DFTPP
Misc : op73826,em4327
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 14:03:53 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105696.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

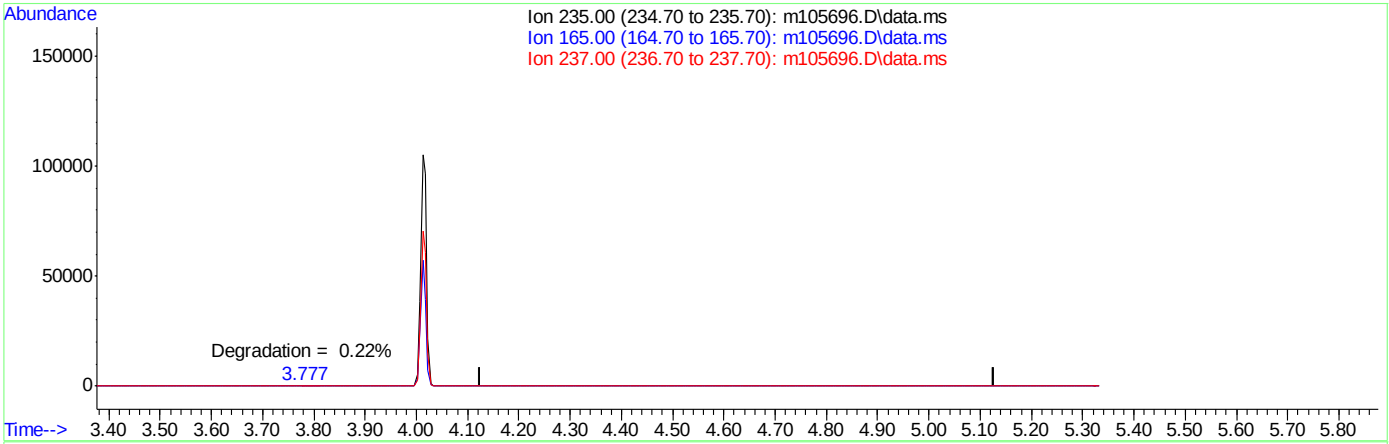
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

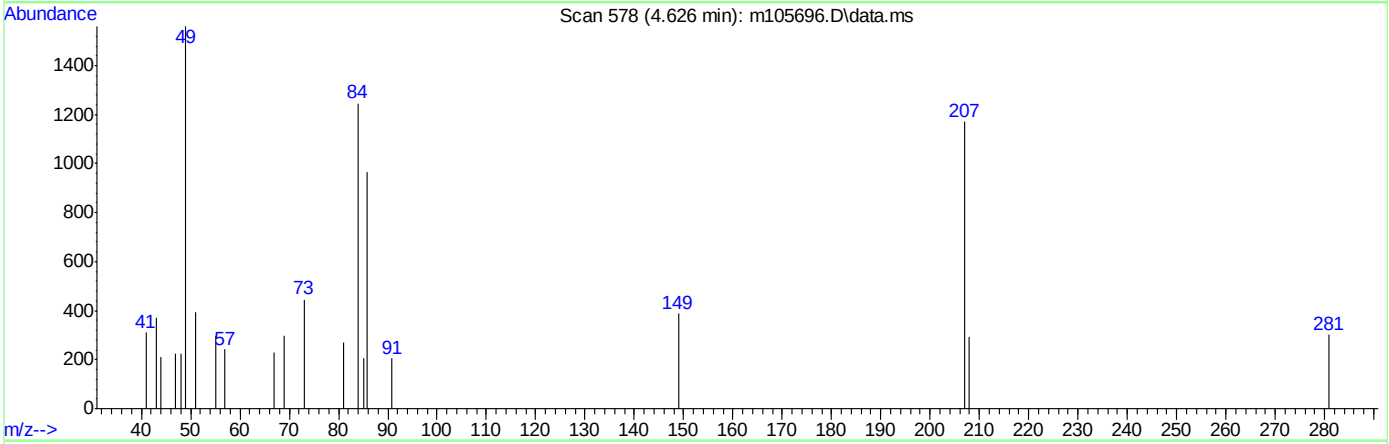
9.5.14.2
9
ACCUTEST LABORATORIES
JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105696.D
Acq On : 28 Jun 2014 1:57 pm
Operator : andrews1
Sample : DFTPP
Misc : op73826,em4327
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 14:03:53 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105696.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/09/14 23:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	314232	40.00	ppb	0.00
24) Naphthalene-d8	6.128	136	1076153	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	553440	40.00	ppb	0.00
69) Phenanthrene-d10	10.466	188	822674	40.00	ppb	0.00
83) Chrysene-d12	14.675	240	677686	40.00	ppb	0.00
92) Perylene-d12	16.804	264	554937	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.984	152	314232	40.00	ppb	0.00
104) Acenaphthene-d10a	8.262	164	553440	40.00	ppb	0.00
106) Phenanthrene-d10a	10.466	188	822674	40.00	ppb	0.00
110) Chrysene-d12a	14.675	240	677686	40.00	ppb	0.00
112) Naphthalene-d8a	6.128	136	1076153	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.983	112	1052364	98.71	ppb	0.00
Spiked Amount 50.000			Recovery =	197.42%		
8) Phenol-d5	4.700	99	1268152	96.41	ppb	0.00
Spiked Amount 50.000			Recovery =	192.82%		
25) Nitrobenzene-d5	5.449	82	925455	98.18	ppb	0.00
Spiked Amount 50.000			Recovery =	196.36%		
51) 2-Fluorobiphenyl	7.364	172	1551036	94.16	ppb	0.00
Spiked Amount 50.000			Recovery =	188.32%		
73) 2,4,6-Tribromophenol	9.412	330	143655	101.34	ppb	0.00
Spiked Amount 50.000			Recovery =	202.68%		
85) Terphenyl-d14	13.028	244	1458822	103.67	ppb	0.00
Spiked Amount 50.000			Recovery =	207.34%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.566	88	555723	95.97	ppb	100
3) Pyridine	2.871	79	1379093	93.01	ppb	100
4) N-Nitrosodimethylamine	2.844	74	742802	94.30	ppb	100
6) Indene	5.198	116	1745059	82.03	ppb	100
7) Cumene	4.374	105	2486320	83.26	ppb	100
9) Phenol	4.711	94	1447359	96.50	ppb	100
10) Aniline	4.721	93	1283429	81.53	ppb	100
11) bis(2-Chloroethyl)ether	4.775	93	988750	93.33	ppb	100
12) 2-Chlorophenol	4.823	128	1120190	95.66	ppb	100
13) Decane	4.850	43	968217	78.43	ppb	100
14) 1,3-Dichlorobenzene	4.941	146	1143484	93.17	ppb	100
15) 1,4-Dichlorobenzene	5.000	146	1117443	91.10	ppb	100
16) Benzyl alcohol	5.096	108	729278	97.33	ppb	100
17) 1,2-Dichlorobenzene	5.123	146	1007607	88.59	ppb	100
18) Acetophenone	5.321	105	1363756	81.44	ppb	100
19) 2-Methylphenol	5.181	108	925714	92.47	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.198	121	349796	89.72	ppb	100
21) 3&4-Methylphenol	5.310	108	938042	88.53	ppb	100
22) n-Nitroso-di-n-propyla...	5.321	70	603086	82.14	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	316674	94.06	ppb	100
26) Nitrobenzene	5.465	77	993378	95.24	ppb	100
27) Quinoline	6.524	129	2089598	96.08	ppb	100
28) Isophorone	5.684	82	1685339	93.84	ppb	100
29) 2-Nitrophenol	5.754	139	557755	112.47	ppb	100
30) 2,4-Dimethylphenol	5.786	107	893625	112.29	ppb	100
31) Benzoic acid	5.941	105	729537m	127.58	ppb	
32) bis(2-Chloroethoxy)met...	5.871	93	1022768	95.14	ppb	100
33) 2,4-Dichlorophenol	5.984	162	739901	101.64	ppb	100
34) 2,6-Dichlorophenol	6.214	162	696474	97.82	ppb	100
35) 1,3,5-Trichlorobenzene	5.770	180	931326	95.36	ppb	100
36) 1,2,4-Trichlorobenzene	6.069	180	730635	92.58	ppb	100
37) 1,2,3-Trichlorobenzene	6.305	180	742401	86.85	ppb	100
38) Naphthalene	6.155	128	2486805	87.02	ppb	100
39) 4-Chloroaniline	6.203	127	1093556	91.22	ppb	100
40) 2,3-Dichloroaniline	7.257	161	966171	94.26	ppb	100
41) Caprolactam	6.626	55	534560	105.74	ppb	100
42) Hexachlorobutadiene	6.283	225	332496	91.92	ppb	100
43) 4-Chloro-3-methylphenol	6.738	107	800209	100.03	ppb	100
44) 2-Methylnaphthalene	6.914	141	1564766	94.15	ppb	100
45) 1-Methylnaphthalene	7.032	141	1732062	92.52	ppb	100
46) Dimethylnaphthalene	7.701	156	1746737	93.21	ppb	100
48) Hexachlorocyclopentadiene	7.112	237	828052	216.29	ppb	100
49) 2,4,6-Trichlorophenol	7.262	196	439275	101.38	ppb	100
50) 2,4,5-Trichlorophenol	7.310	196	446230	98.97	ppb	100
52) 2-Chloronaphthalene	7.519	162	1390224	91.44	ppb	100
53) Biphenyl	7.497	154	2259160	94.41	ppb	100
54) 2-Nitroaniline	7.658	65	535312	115.87	ppb	100
55) Dimethylphthalate	7.904	163	1577894	96.49	ppb	100
56) Acenaphthylene	8.070	152	2423352	97.68	ppb	100
57) 2,6-Dinitrotoluene	7.984	165	378675	120.02	ppb	100
58) 3-Nitroaniline	8.214	138	505136	115.64	ppb	100
59) Acenaphthene	8.316	153	1552772	98.10	ppb	100
60) 2,4-Dinitrophenol	8.364	184	395753	273.43	ppb	100
61) 4-Nitrophenol	8.466	109	249670	122.86	ppb	100
62) Dibenzofuran	8.562	168	2003490	94.58	ppb	100
63) 2,4-Dinitrotoluene	8.551	165	521330	123.32	ppb	100
64) 2,3,4,6-Tetrachlorophenol	8.738	232	341568	106.24	ppb	100
65) Diethylphthalate	8.920	149	1624062	98.95	ppb	100
66) Fluorene	9.054	166	1755956	99.98	ppb	100
67) 4-Chlorophenyl-phenyle...	9.065	204	696771	96.48	ppb	100
68) 4-Nitroaniline	9.113	138	482180	107.61	ppb	100
70) 4,6-Dinitro-2-methylph...	9.150	198	246219	125.38	ppb	100
71) n-Nitrosodiphenylamine	9.246	169	1151170	100.02	ppb	100
72) 1,2-Diphenylhydrazine	9.300	77	1814053	98.74	ppb	100
74) 4-Bromophenyl-phenylether	9.797	248	362583	97.29	ppb	100
75) Hexachlorobenzene	9.888	284	346429	90.23	ppb	100
76) Pentachlorophenol	10.199	266	543238	233.50	ppb	100
77) Phenanthrene	10.509	178	2137964	94.65	ppb	100
78) Anthracene	10.589	178	2109164	94.58	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration

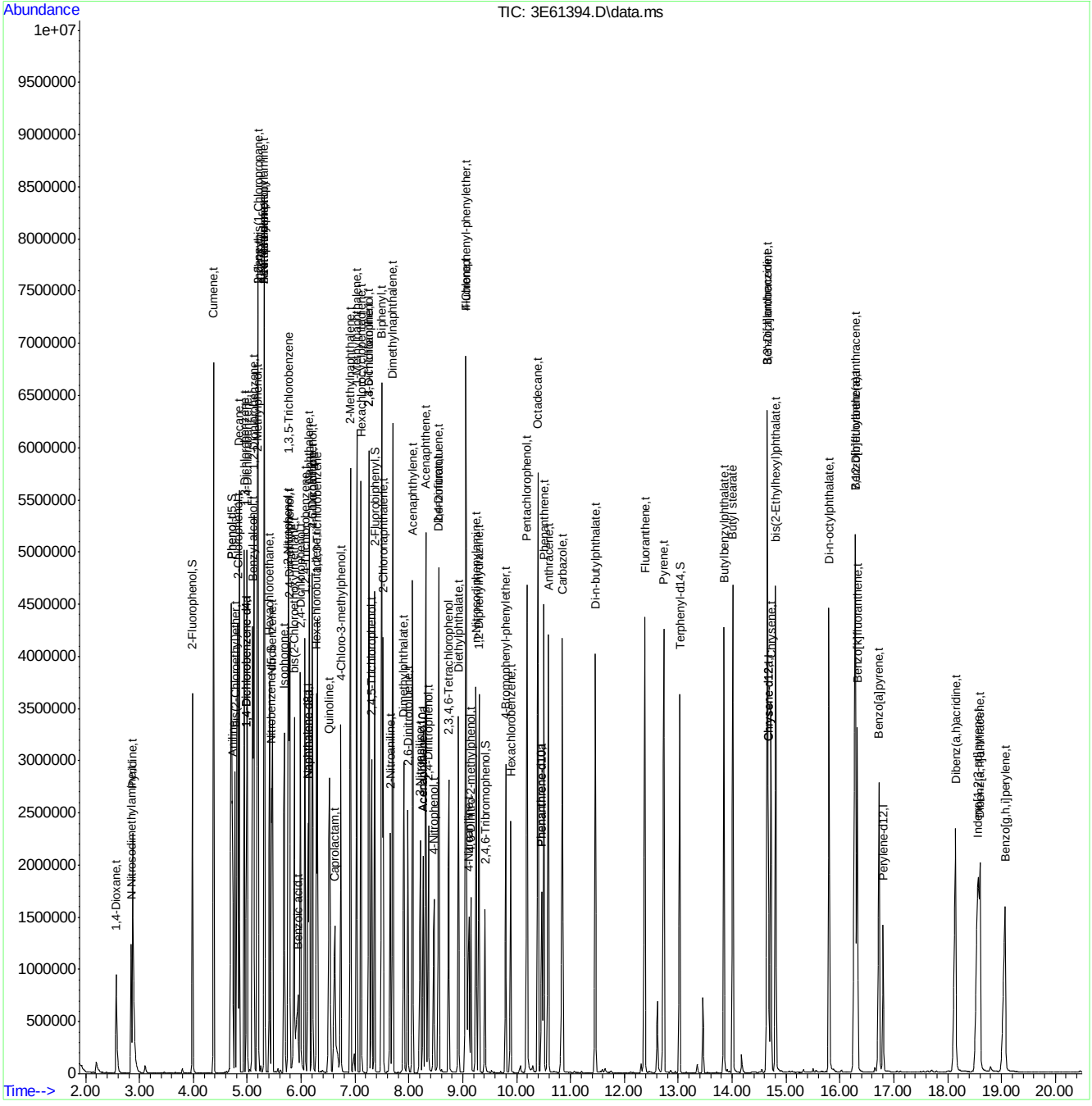
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.851	167	2522912	98.59	ppb	100
80) Di-n-butylphthalate	11.461	149	2718883	103.58	ppb	100
81) Fluoranthene	12.381	202	2421179	104.72	ppb	100
82) Octadecane	10.396	57	1315205	97.78	ppb	100
84) Pyrene	12.734	202	2419224	106.00	ppb	100
86) Butylbenzylphthalate	13.852	149	1312358	120.73	ppb	100
87) Butyl stearate	14.012	56	846332	115.71	ppb	100
88) Benzo[a]anthracene	14.659	228	2184269	104.85	ppb	100
89) 3,3'-Dichlorobenzidine	14.654	252	861274	119.96	ppb	100
90) Chrysene	14.723	228	1597022	95.24	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.809	149	1565193	114.57	ppb	100
93) Di-n-octylphthalate	15.799	149	2886621	120.22	ppb	100
94) Benzo[b]fluoranthene	16.291	252	2112354	112.57	ppb	100
95) Benzo[k]fluoranthene	16.328	252	1439649	86.82	ppb	100
96) Benzo[a]pyrene	16.735	252	1611357	104.02	ppb	100
97) Indeno[1,2,3-cd]pyrene	18.558	276	1791770m	110.61	ppb	
98) Dibenz(a,h)acridine	18.152	279	1782802	111.78	ppb	100
99) Dibenz[a,h]anthracene	18.601	278	1516871	100.83	ppb	100
100) 7,12-Dimethylbenz(a)an...	16.291	256	1217205	153.79	ppb	100
101) Benzo[g,h,i]perylene	19.072	276	1591877	105.81	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

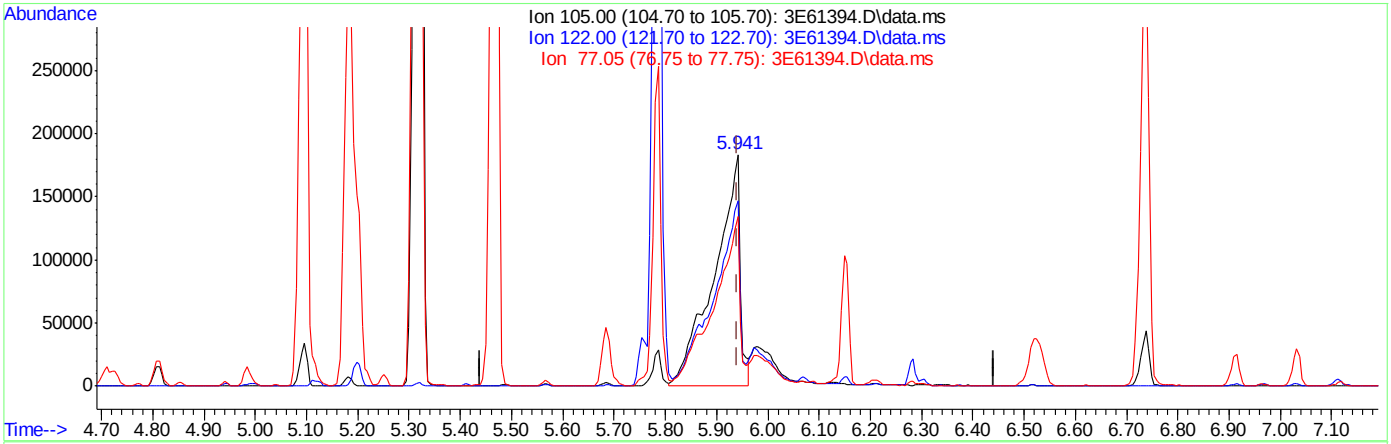
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61394.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 17:45	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

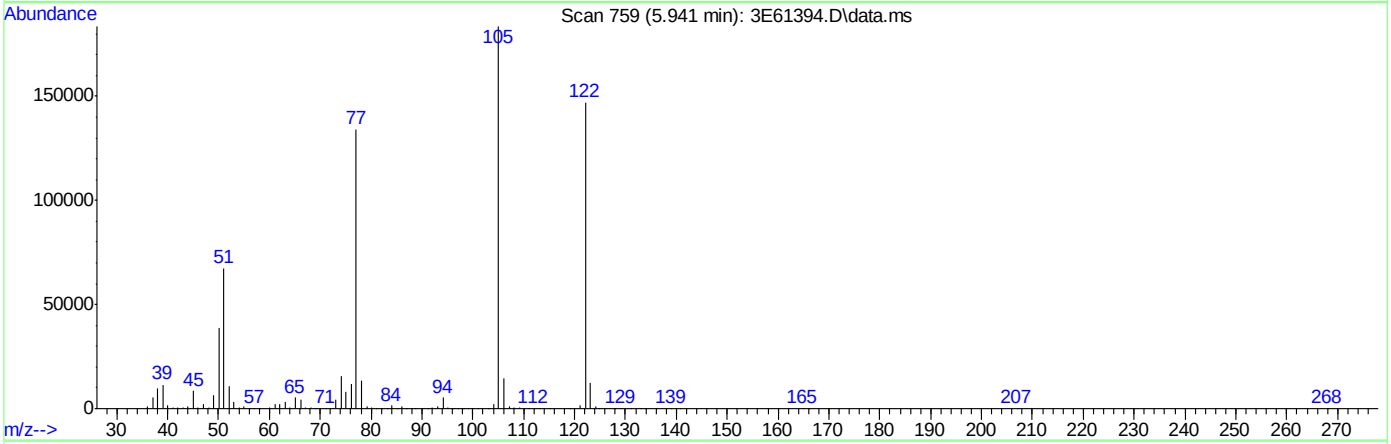
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.94	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.56	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:35:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(31) Benzoic acid (t)

5.941min (0.000) 111.01ppb

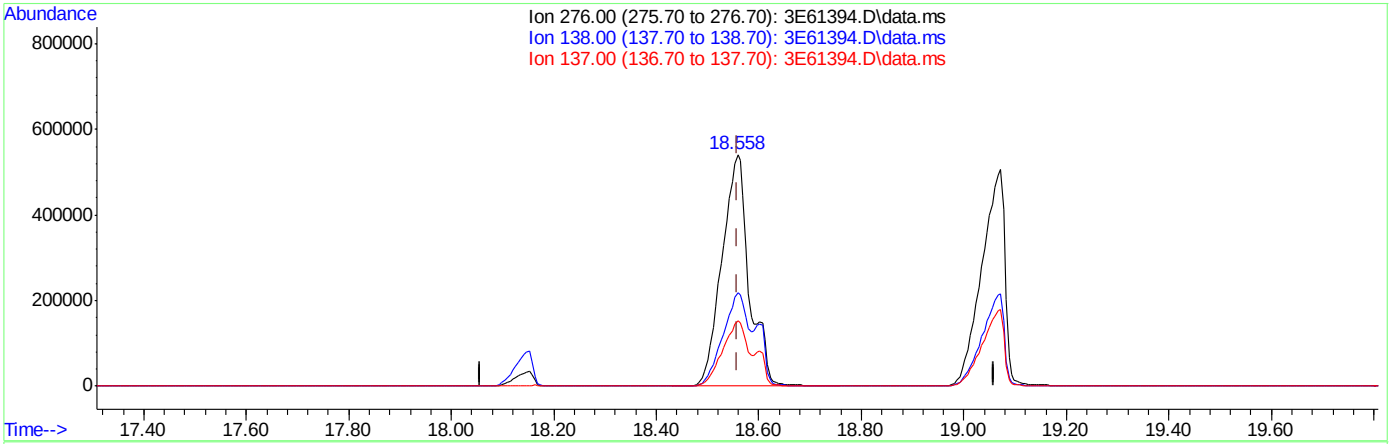
response 634804

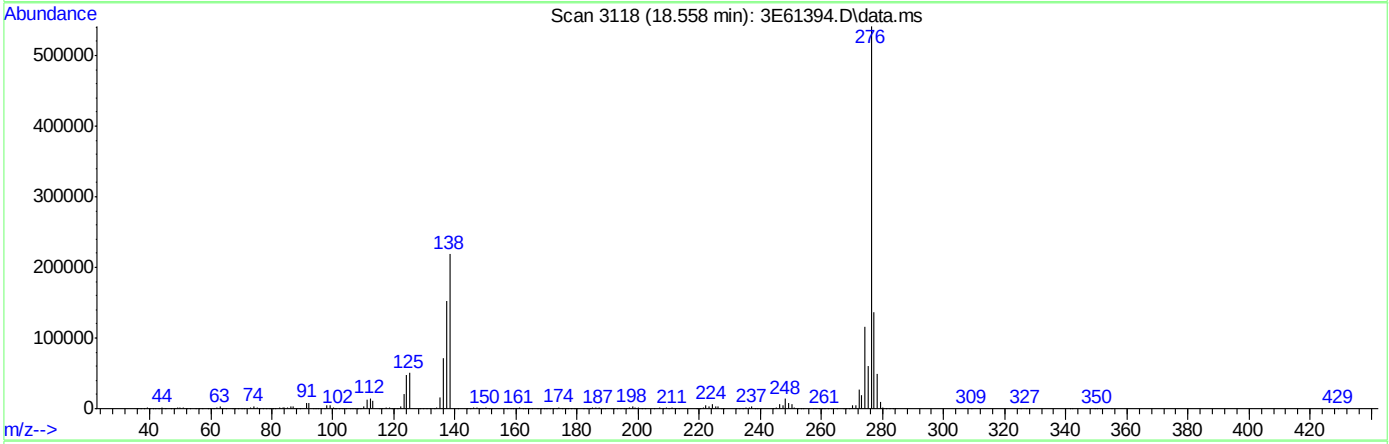
Ion	Exp%	Act%
105.00	100	100
122.00	77.10	77.13
77.05	71.90	71.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:36:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.558min (0.000) 124.33ppb

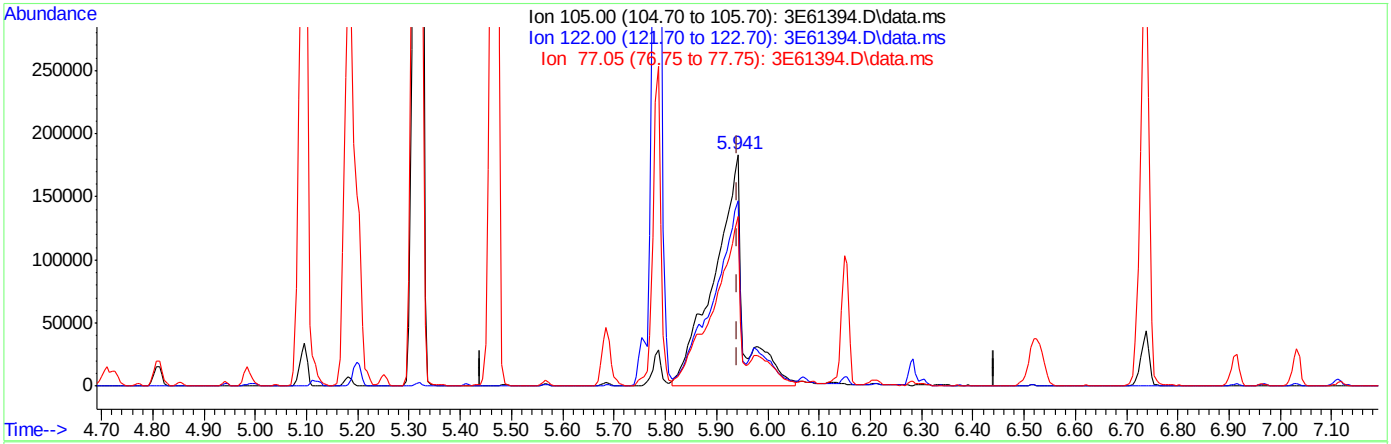
response 2014021

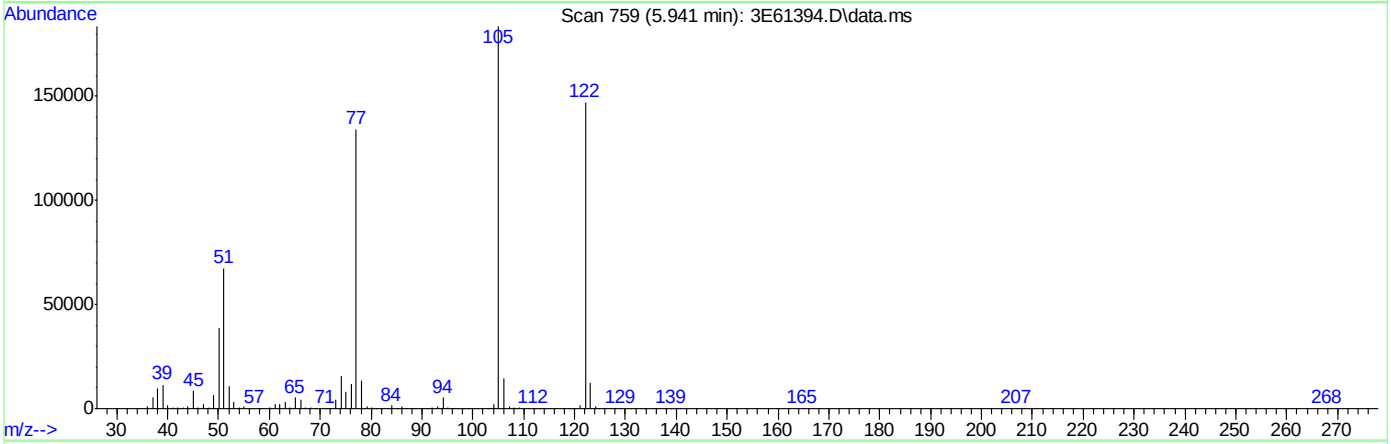
Ion	Exp%	Act%
276.00	100	100
138.00	40.30	40.35
137.00	28.00	28.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(31) Benzoic acid (t)

5.941min (0.000) 127.58ppb m

response 729537

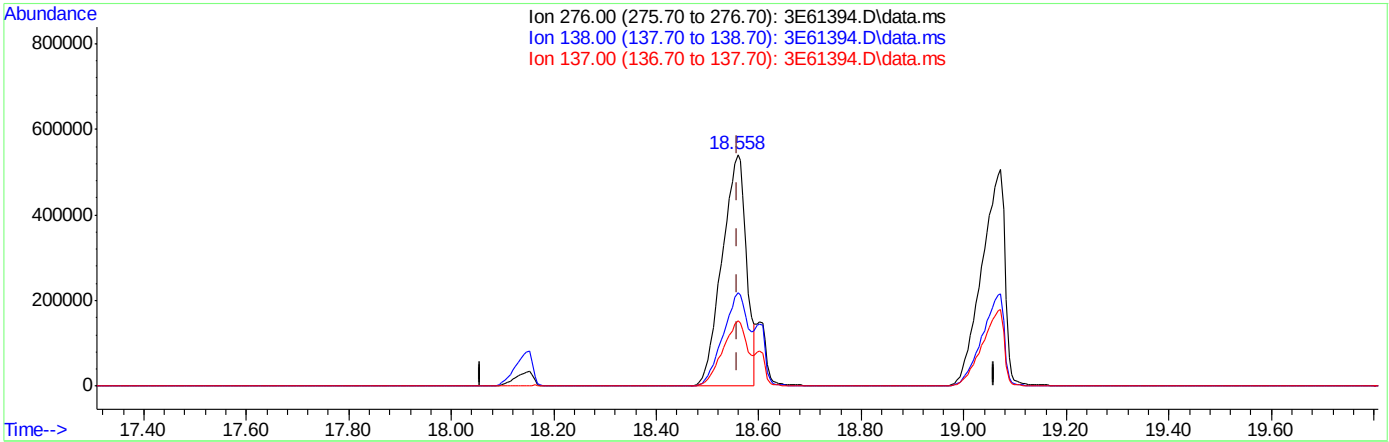
Ion	Exp%	Act%
105.00	100	100
122.00	77.10	80.20
77.05	71.90	73.12
0.00	0.00	0.00

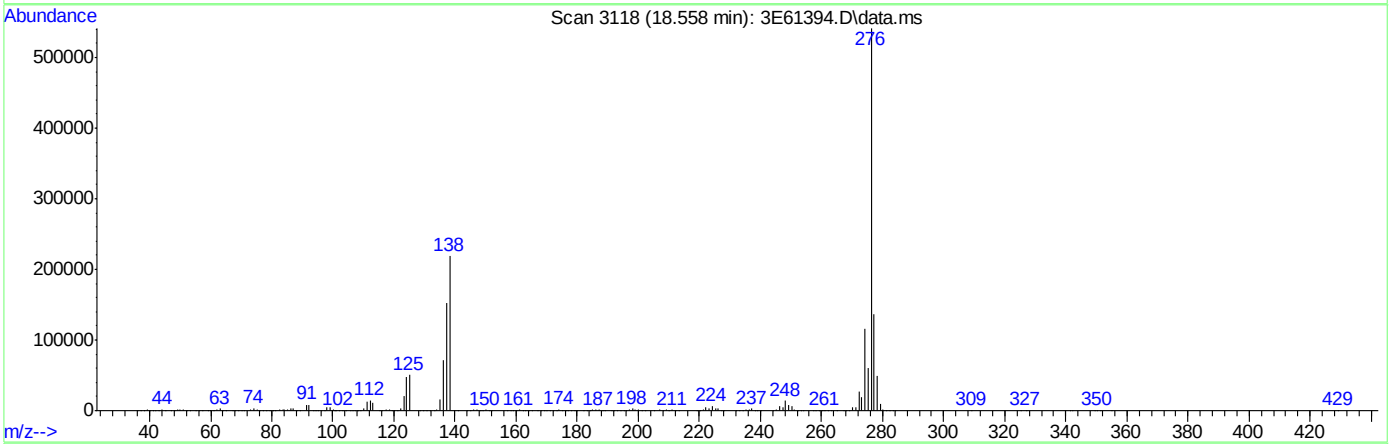
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.558min (0.000) 110.61ppb m

response 1791770

Ion	Exp%	Act%
276.00	100	100
138.00	40.30	40.37
137.00	28.00	28.02
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/09/14 23:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	302707	40.00	ppb	0.00
24) Naphthalene-d8	6.128	136	1071415	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	557084	40.00	ppb	0.00
69) Phenanthrene-d10	10.466	188	819925	40.00	ppb	0.00
83) Chrysene-d12	14.675	240	676896	40.00	ppb	0.00
92) Perylene-d12	16.804	264	562300	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.984	152	302707	40.00	ppb	0.00
104) Acenaphthene-d10a	8.262	164	557084	40.00	ppb	0.00
106) Phenanthrene-d10a	10.466	188	819925	40.00	ppb	0.00
110) Chrysene-d12a	14.675	240	676896	40.00	ppb	0.00
112) Naphthalene-d8a	6.128	136	1071415	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.984	112	858002	84.64	ppb	0.00
Spiked Amount 50.000			Recovery =	169.28%		
8) Phenol-d5	4.695	99	1033511	84.60	ppb	0.00
Spiked Amount 50.000			Recovery =	169.20%		
25) Nitrobenzene-d5	5.449	82	780370	84.70	ppb	0.00
Spiked Amount 50.000			Recovery =	169.40%		
51) 2-Fluorobiphenyl	7.364	172	1288141	82.51	ppb	0.00
Spiked Amount 50.000			Recovery =	165.02%		
73) 2,4,6-Tribromophenol	9.407	330	116294	81.23	ppb	0.00
Spiked Amount 50.000			Recovery =	162.46%		
85) Terphenyl-d14	13.023	244	1197303	82.17	ppb	0.00
Spiked Amount 50.000			Recovery =	164.34%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.566	88	444165	82.97	ppb	96
3) Pyridine	2.871	79	1130915	85.13	ppb	98
4) N-Nitrosodimethylamine	2.844	74	611086	85.40	ppb	99
6) Indene	5.198	116	1490546	88.67	ppb	99
7) Cumene	4.374	105	2089601	87.24	ppb	99
9) Phenol	4.706	94	1193242	85.58	ppb	97
10) Aniline	4.722	93	1058267	85.60	ppb	100
11) bis(2-Chloroethyl)ether	4.770	93	811282	85.18	ppb	96
12) 2-Chlorophenol	4.823	128	911415	84.46	ppb	100
13) Decane	4.850	43	867544	93.01	ppb	97
14) 1,3-Dichlorobenzene	4.941	146	916369	83.19	ppb	99
15) 1,4-Dichlorobenzene	5.000	146	904795	84.05	ppb	98
16) Benzyl alcohol	5.096	108	593059	84.42	ppb	100
17) 1,2-Dichlorobenzene	5.123	146	825855	85.08	ppb	98
18) Acetophenone	5.315	105	1164747	88.66	ppb	94
19) 2-Methylphenol	5.182	108	765687	85.86	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.198	121	293420	87.08	ppb	89
21) 3&4-Methylphenol	5.310	108	799416	88.47	ppb	98
22) n-Nitroso-di-n-propyla...	5.315	70	510524	87.87	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.412	201	241822	79.27	ppb	93
26) Nitrobenzene	5.465	77	837472	84.68	ppb	100
27) Quinoline	6.519	129	1735275	83.41	ppb	99
28) Isophorone	5.679	82	1418871	84.56	ppb	98
29) 2-Nitrophenol	5.754	139	458944	82.65	ppb	99
30) 2,4-Dimethylphenol	5.781	107	733336	82.43	ppb	98
31) Benzoic acid	5.930	105	613295m	84.44	ppb	
32) bis(2-Chloroethoxy)met...	5.872	93	855104	83.98	ppb	99
33) 2,4-Dichlorophenol	5.984	162	596927	81.03	ppb	99
34) 2,6-Dichlorophenol	6.214	162	569481	82.13	ppb	99
35) 1,3,5-Trichlorobenzene	5.765	180	729011	78.62	ppb	98
36) 1,2,4-Trichlorobenzene	6.069	180	586201	80.59	ppb	98
37) 1,2,3-Trichlorobenzene	6.299	180	615083	83.22	ppb	97
38) Naphthalene	6.150	128	2105817	85.05	ppb	100
39) 4-Chloroaniline	6.203	127	915206	84.06	ppb	99
40) 2,3-Dichloroaniline	7.252	161	805172	83.70	ppb	97
41) Caprolactam	6.610	55	455871	85.66	ppb	98
42) Hexachlorobutadiene	6.283	225	262515	79.30	ppb	99
43) 4-Chloro-3-methylphenol	6.733	107	665009	83.47	ppb	98
44) 2-Methylnaphthalene	6.909	141	1311994	84.22	ppb	99
45) 1-Methylnaphthalene	7.032	141	1461210	84.74	ppb	98
46) Dimethylnaphthalene	7.701	156	1448442	83.29	ppb	99
48) Hexachlorocyclopentadiene	7.112	237	638437	153.19	ppb	98
49) 2,4,6-Trichlorophenol	7.257	196	354488	80.17	ppb	99
50) 2,4,5-Trichlorophenol	7.310	196	365173	81.30	ppb	99
52) 2-Chloronaphthalene	7.519	162	1148306	82.06	ppb	99
53) Biphenyl	7.492	154	1893300	83.26	ppb	99
54) 2-Nitroaniline	7.653	65	454025	84.26	ppb	95
55) Dimethylphthalate	7.904	163	1300416	81.88	ppb	100
56) Acenaphthylene	8.065	152	2026234	83.07	ppb	99
57) 2,6-Dinitrotoluene	7.979	165	315447	82.76	ppb	97
58) 3-Nitroaniline	8.209	138	421817	82.96	ppb	98
59) Acenaphthene	8.311	153	1291523	82.63	ppb	97
60) 2,4-Dinitrophenol	8.359	184	328957	165.16	ppb	88
61) 4-Nitrophenol	8.460	109	210200	83.64	ppb	98
62) Dibenzofuran	8.557	168	1663935	82.51	ppb	99
63) 2,4-Dinitrotoluene	8.546	165	433645	82.64	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.738	232	276115	80.31	ppb	98
65) Diethylphthalate	8.920	149	1351220	82.66	ppb	99
66) Fluorene	9.054	166	1467229	83.01	ppb	99
67) 4-Chlorophenyl-phenyle...	9.059	204	561638	80.08	ppb	97
68) 4-Nitroaniline	9.107	138	404502	83.34	ppb	98
70) 4,6-Dinitro-2-methylph...	9.145	198	203344	82.86	ppb	98
71) n-Nitrosodiphenylamine	9.241	169	963234	83.95	ppb	99
72) 1,2-Diphenylhydrazine	9.300	77	1537562	85.04	ppb	99
74) 4-Bromophenyl-phenylether	9.797	248	293887	81.33	ppb	99
75) Hexachlorobenzene	9.888	284	285425	82.67	ppb	99
76) Pentachlorophenol	10.193	266	435375	160.83	ppb	100
77) Phenanthrene	10.504	178	1788537	83.94	ppb	99
78) Anthracene	10.584	178	1772027	84.30	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration

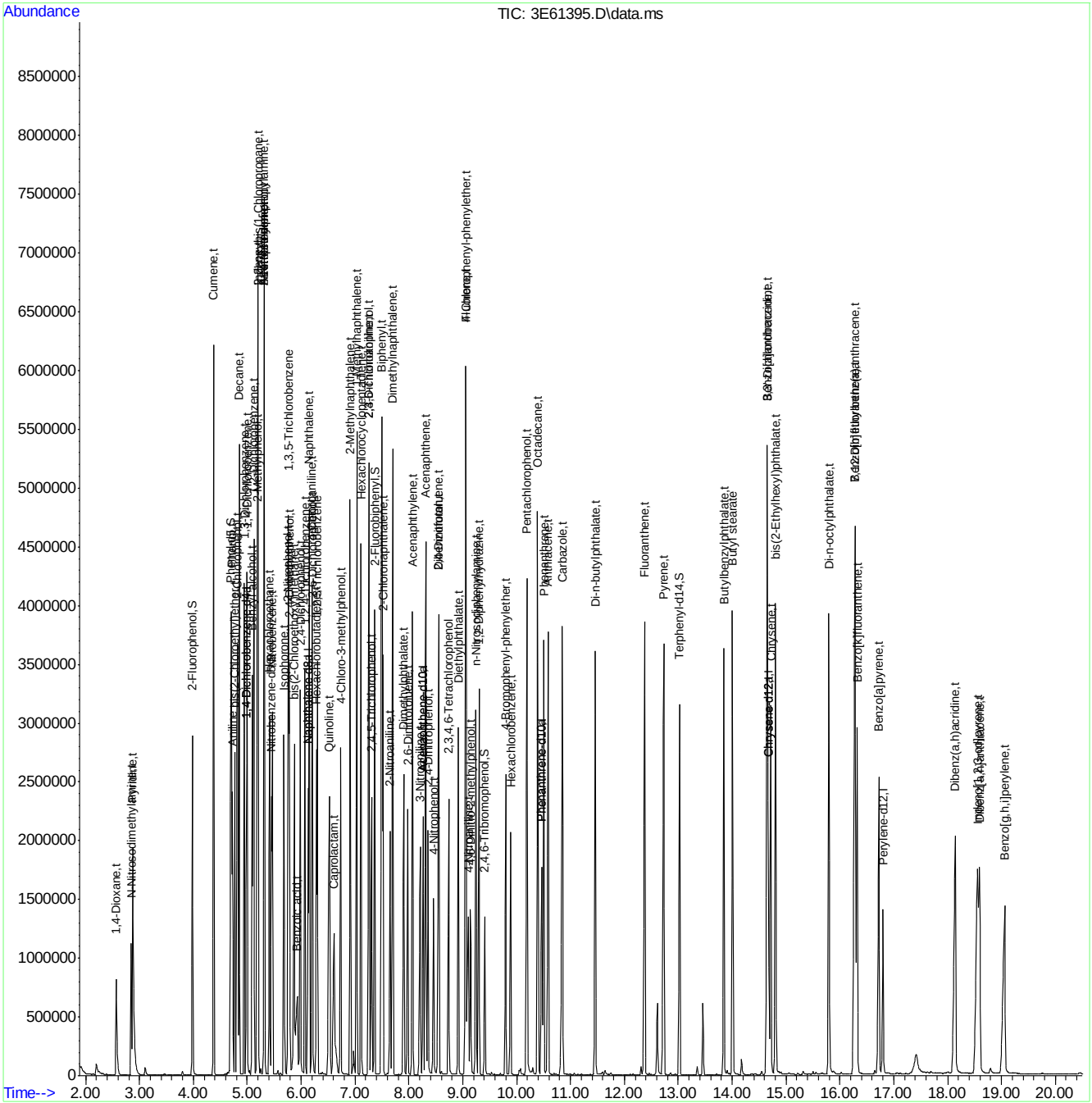
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) Carbazole	10.851	167	2112307	84.01 ppb	99
80) Di-n-butylphthalate	11.461	149	2279243	84.11 ppb	100
81) Fluoranthene	12.376	202	1989188	82.43 ppb	98
82) Octadecane	10.391	57	1157292	88.29 ppb	97
84) Pyrene	12.729	202	2000026	82.77 ppb	100
86) Butylbenzylphthalate	13.846	149	1090582	83.20 ppb	97
87) Butyl stearate	14.007	56	731993	86.59 ppb	95
88) Benzo[a]anthracene	14.654	228	1778940	81.54 ppb	99
89) 3,3'-Dichlorobenzidine	14.649	252	680704	79.13 ppb	98
90) Chrysene	14.718	228	1343066	84.20 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.804	149	1327755	84.93 ppb	98
93) Di-n-octylphthalate	15.793	149	2421835	82.80 ppb	99
94) Benzo[b]fluoranthene	16.280	252	1775247	82.94 ppb	97
95) Benzo[k]fluoranthene	16.323	252	1206229	82.69 ppb	99
96) Benzo[a]pyrene	16.724	252	1353341	82.89 ppb	98
97) Indeno[1,2,3-cd]pyrene	18.553	276	1534366m	75.19 ppb	
98) Dibenz(a,h)acridine	18.141	279	1476553	81.74 ppb	72
99) Dibenz[a,h]anthracene	18.596	278	1281966	83.41 ppb	98
100) 7,12-Dimethylbenz(a)an...	16.280	256	981870	79.61 ppb	96
101) Benzo[g,h,i]perylene	19.061	276	1342199	83.21 ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

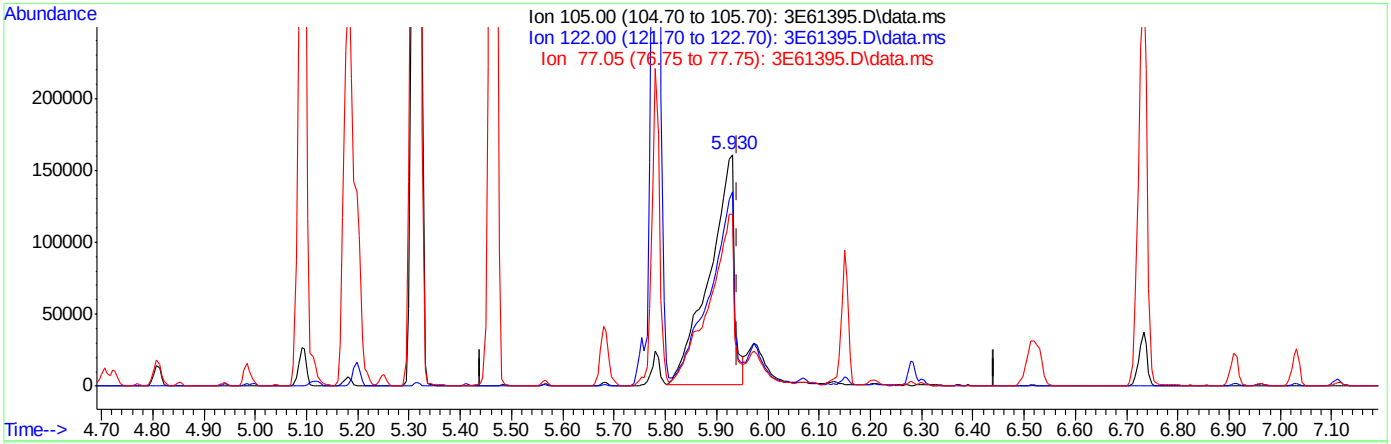
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61395.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 18:13	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

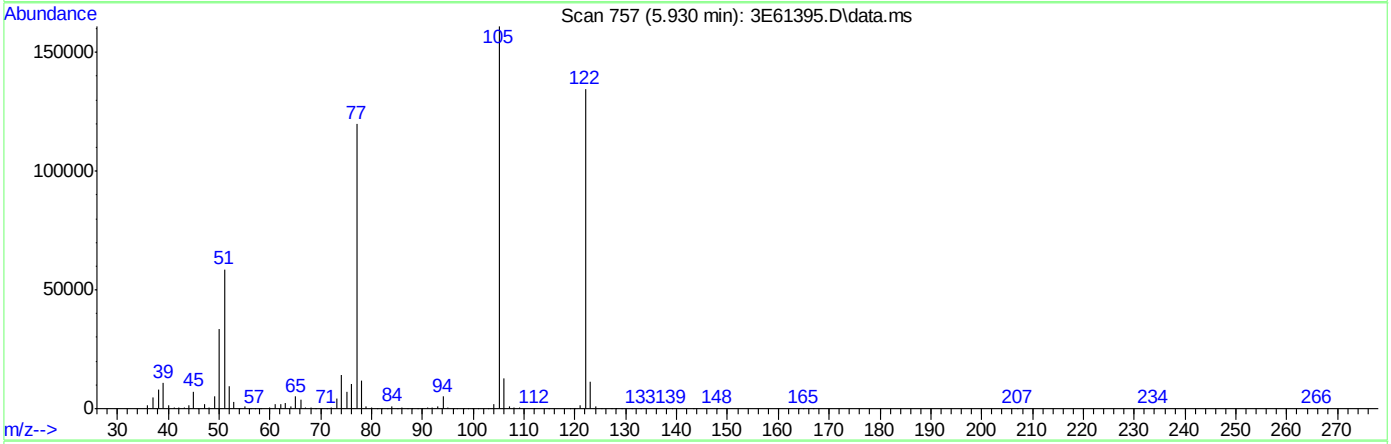
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.93	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.55	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:36:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(31) Benzoic acid (t)

5.930min (-0.011) 74.26ppb

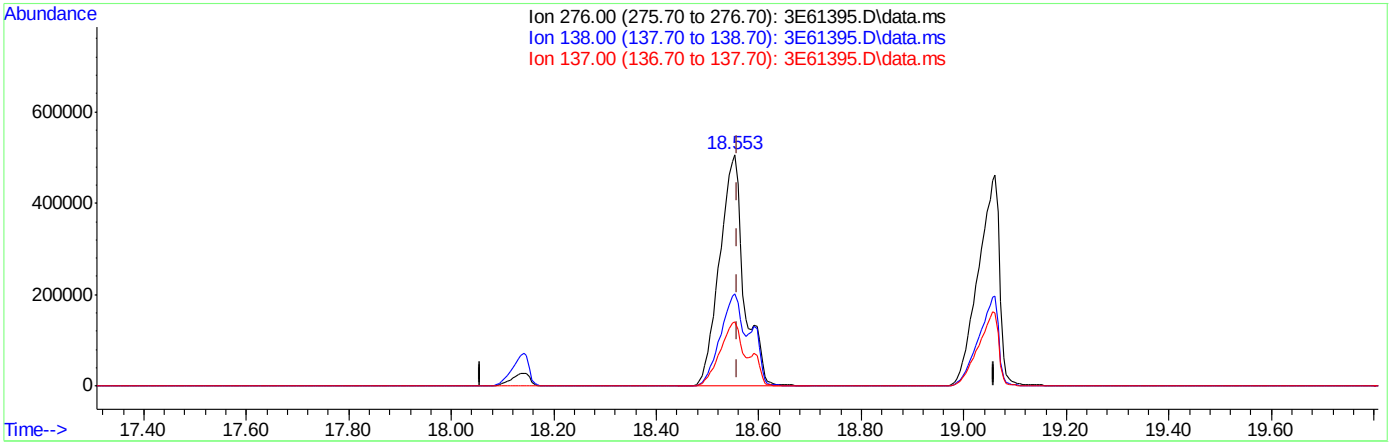
response 539370

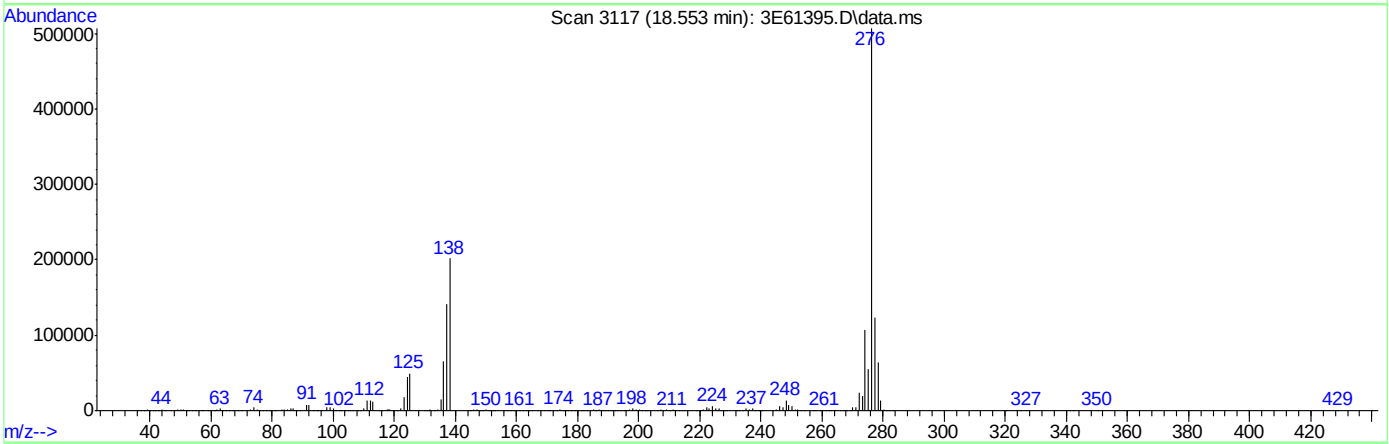
Ion	Exp%	Act%
105.00	100	100
122.00	80.20	78.78
77.05	73.10	72.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:38:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.553min (-0.005) 82.86ppb

response 1690931

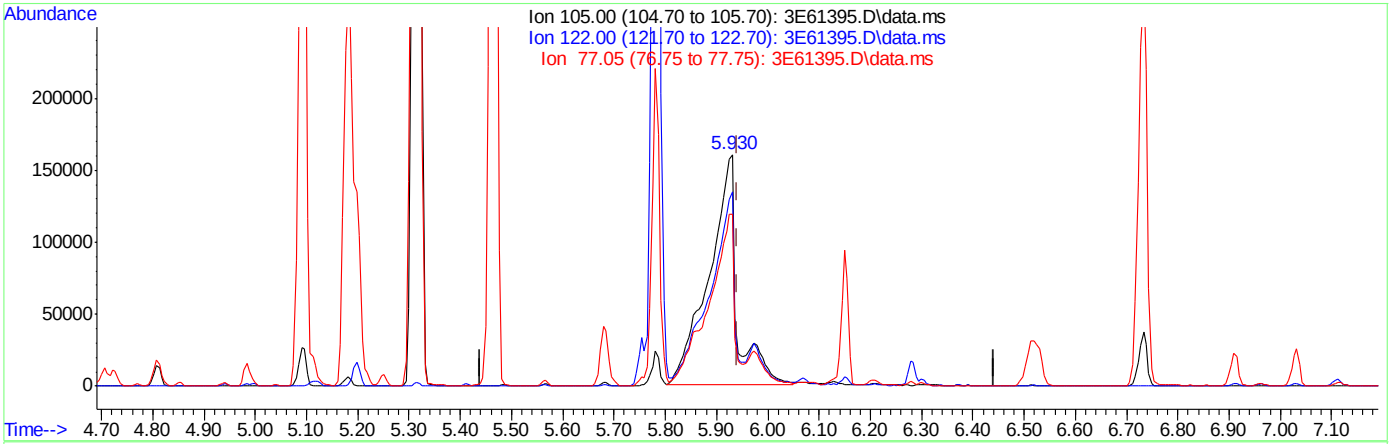
Ion	Exp%	Act%
276.00	100	100
138.00	40.30	39.77
137.00	28.00	27.91
0.00	0.00	0.00

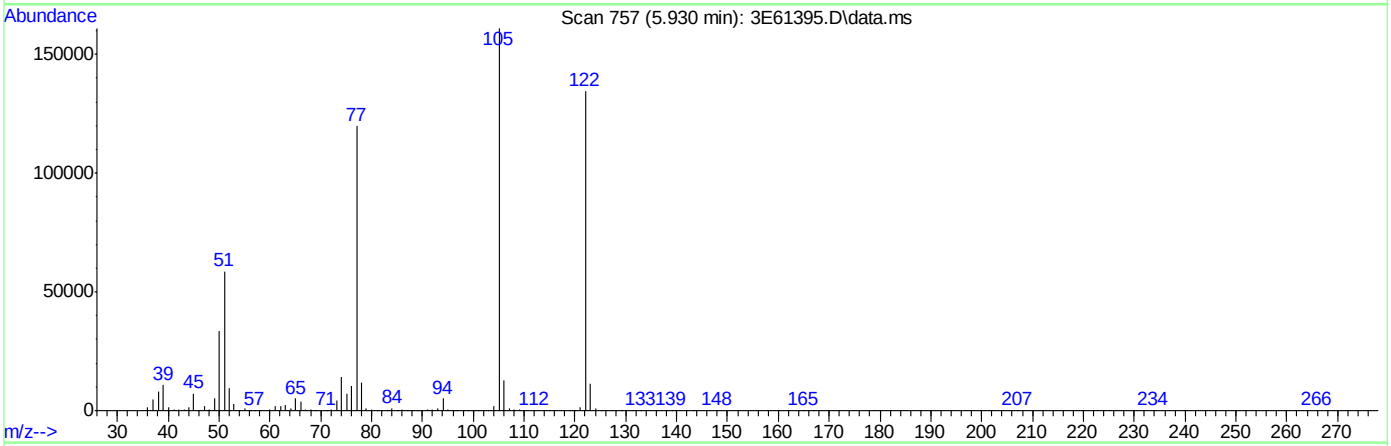
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(31) Benzoic acid (t)

5.930min (-0.011) 84.44ppb m

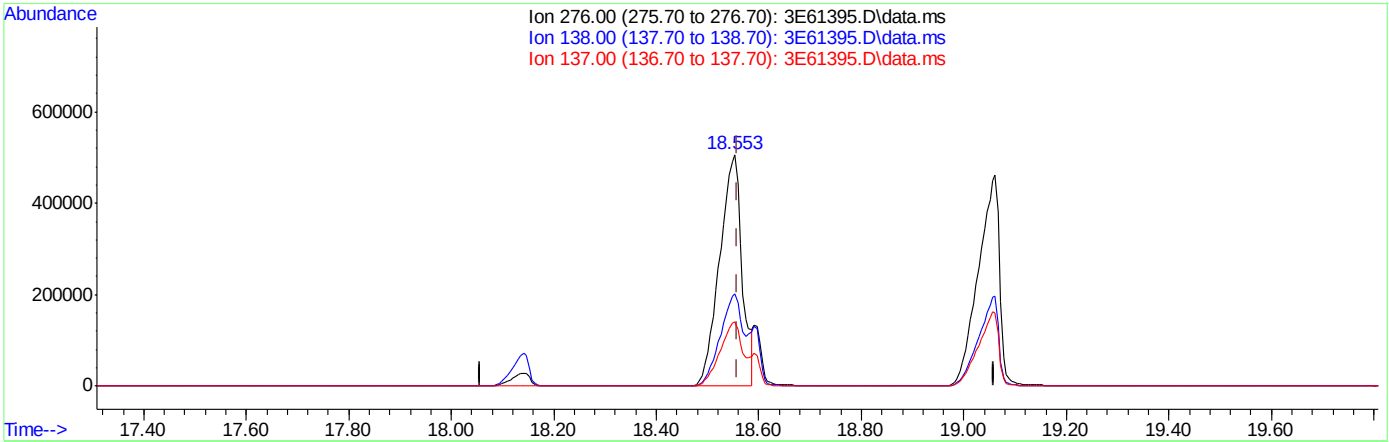
response 613295

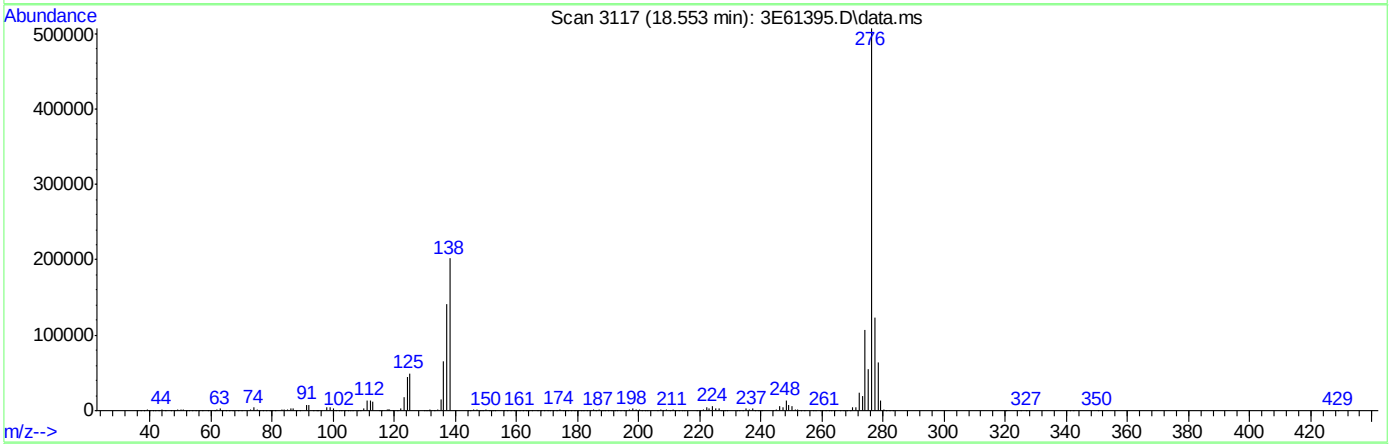
Ion	Exp%	Act%
105.00	100	100
122.00	80.20	83.70
77.05	73.10	74.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.553min (-0.005) 75.19ppb m

response 1534366

Ion	Exp%	Act%
276.00	100	100
138.00	40.30	39.81
137.00	28.00	27.91
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	228468	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	837672	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	430892	40.00	ppb		0.00
69) Phenanthrene-d10	10.461	188	632717	40.00	ppb		0.00
83) Chrysene-d12	14.665	240	553973	40.00	ppb		-0.01
92) Perylene-d12	16.793	264	475578	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	4.984	152	228468	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	430892	40.00	ppb		0.00
106) Phenanthrene-d10a	10.461	188	632717	40.00	ppb		0.00
110) Chrysene-d12a	14.665	240	553973	40.00	ppb		-0.01
112) Naphthalene-d8a	6.123	136	837672	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	406796	51.67	ppb		0.00
Spiked Amount 50.000			Recovery = 103.34%				
8) Phenol-d5	4.684	99	499099	52.62	ppb		-0.02
Spiked Amount 50.000			Recovery = 105.24%				
25) Nitrobenzene-d5	5.444	82	378631	51.06	ppb		0.00
Spiked Amount 50.000			Recovery = 102.12%				
51) 2-Fluorobiphenyl	7.358	172	667496	54.42	ppb		0.00
Spiked Amount 50.000			Recovery = 108.84%				
73) 2,4,6-Tribromophenol	9.402	330	60880	54.68	ppb		-0.01
Spiked Amount 50.000			Recovery = 109.36%				
85) Terphenyl-d14	13.017	244	610500	50.51	ppb		-0.01
Spiked Amount 50.000			Recovery = 101.02%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.566	88	189052	45.94	ppb		93
3) Pyridine	2.876	79	481383	46.52	ppb		99
4) N-Nitrosodimethylamine	2.839	74	289632	51.88	ppb		97
6) Indene	5.192	116	700767	52.39	ppb		98
7) Cumene	4.374	105	991969	52.50	ppb		93
9) Phenol	4.695	94	583398	53.57	ppb		98
10) Aniline	4.721	93	595230	61.63	ppb		98
11) bis(2-Chloroethyl)ether	4.764	93	387857	52.26	ppb		96
12) 2-Chlorophenol	4.818	128	432912	51.71	ppb		97
13) Decane	4.850	43	435241	57.18	ppb		92
14) 1,3-Dichlorobenzene	4.941	146	455951	53.77	ppb		95
15) 1,4-Dichlorobenzene	4.994	146	450364	54.06	ppb		96
16) Benzyl alcohol	5.085	108	287987	52.85	ppb		93
17) 1,2-Dichlorobenzene	5.123	146	416249	55.07	ppb		97
18) Acetophenone	5.310	105	554528	53.05	ppb		97
19) 2-Methylphenol	5.176	108	368936	52.88	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.197	121	145078	54.63	ppb	#	57
21) 3&4-Methylphenol	5.299	108	403444	56.18	ppb		97
22) n-Nitroso-di-n-propyla...	5.304	70	268764	58.42	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	122642	53.51	ppb	97
26) Nitrobenzene	5.460	77	418160	52.54	ppb	98
27) Quinoline	6.503	129	753552	45.36	ppb	99
28) Isophorone	5.668	82	726472	53.84	ppb	96
29) 2-Nitrophenol	5.748	139	214944	48.70	ppb	95
30) 2,4-Dimethylphenol	5.775	107	357274	50.60	ppb	95
31) Benzoic acid	5.887	105	270562	46.36	ppb	99
32) bis(2-Chloroethoxy)met...	5.861	93	421733	51.69	ppb	96
33) 2,4-Dichlorophenol	5.978	162	291500	50.29	ppb	98
34) 2,6-Dichlorophenol	6.208	162	277991	50.60	ppb	97
35) 1,3,5-Trichlorobenzene	5.764	180	330675	46.01	ppb	97
36) 1,2,4-Trichlorobenzene	6.064	180	304754	53.39	ppb	95
37) 1,2,3-Trichlorobenzene	6.299	180	284323	48.23	ppb	96
38) Naphthalene	6.144	128	1096149	54.89	ppb	96
39) 4-Chloroaniline	6.192	127	487168	55.82	ppb	97
40) 2,3-Dichloroaniline	7.246	161	362416	47.10	ppb	95
41) Caprolactam	6.577	55	187825	43.60	ppb	99
42) Hexachlorobutadiene	6.278	225	135116	52.43	ppb	97
43) 4-Chloro-3-methylphenol	6.716	107	321322	50.49	ppb	94
44) 2-Methylnaphthalene	6.909	141	662003	52.96	ppb	96
45) 1-Methylnaphthalene	7.027	141	655440	47.22	ppb	96
46) Dimethylnaphthalene	7.690	156	652494	47.02	ppb	99
48) Hexachlorocyclopentadiene	7.107	237	309484	98.10	ppb	97
49) 2,4,6-Trichlorophenol	7.251	196	178280	52.07	ppb	98
50) 2,4,5-Trichlorophenol	7.294	196	181238	51.75	ppb	99
52) 2-Chloronaphthalene	7.508	162	611652	55.79	ppb	95
53) Biphenyl	7.487	154	870830	48.52	ppb	97
54) 2-Nitroaniline	7.642	65	215161	50.29	ppb	96
55) Dimethylphthalate	7.893	163	639638	51.46	ppb	99
56) Acenaphthylene	8.059	152	1035440	53.85	ppb	97
57) 2,6-Dinitrotoluene	7.968	165	155261	51.77	ppb	99
58) 3-Nitroaniline	8.198	138	205695	51.35	ppb	99
59) Acenaphthene	8.305	153	648826	52.80	ppb	96
60) 2,4-Dinitrophenol	8.342	184	140825	89.96	ppb	98
61) 4-Nitrophenol	8.444	109	95448	48.01	ppb	97
62) Dibenzofuran	8.551	168	849700	53.63	ppb	97
63) 2,4-Dinitrotoluene	8.535	165	210537	51.03	ppb	95
64) 2,3,4,6-Tetrachlorophenol	8.733	232	138138	51.84	ppb	93
65) Diethylphthalate	8.909	149	665624	51.78	ppb	98
66) Fluorene	9.043	166	724636	52.03	ppb	96
67) 4-Chlorophenyl-phenyle...	9.054	204	275760	50.81	ppb	96
68) 4-Nitroaniline	9.081	138	209539	54.67	ppb	98
70) 4,6-Dinitro-2-methylph...	9.129	198	92463	47.97	ppb	95
71) n-Nitrosodiphenylamine	9.236	169	469464	51.75	ppb	99
72) 1,2-Diphenylhydrazine	9.295	77	783684	54.45	ppb	98
74) 4-Bromophenyl-phenylether	9.792	248	148855	52.94	ppb	91
75) Hexachlorobenzene	9.878	284	150357	55.51	ppb	97
76) Pentachlorophenol	10.182	266	202591	96.73	ppb	97
77) Phenanthrene	10.498	178	914811	54.30	ppb	97
78) Anthracene	10.573	178	924789	55.52	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration

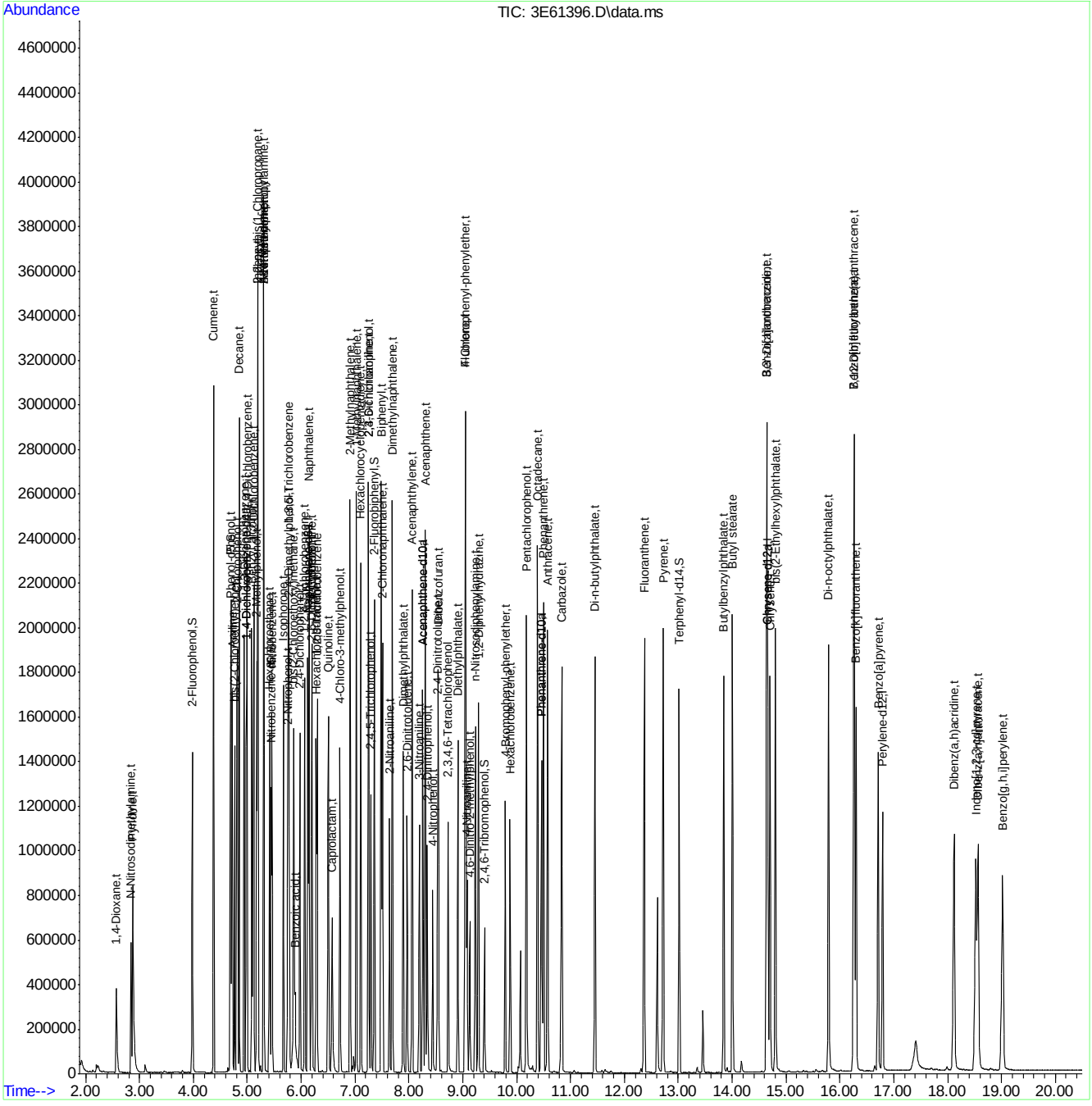
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.835	167	939944	47.26	ppb	97
80) Di-n-butylphthalate	11.455	149	1117176	52.09	ppb	97
81) Fluoranthene	12.370	202	976153	51.64	ppb	97
82) Octadecane	10.386	57	537203	50.49	ppb	94
84) Pyrene	12.723	202	1004077	49.91	ppb	98
86) Butylbenzylphthalate	13.841	149	500518	45.74	ppb	97
87) Butyl stearate	14.001	56	373465	51.85	ppb	92
88) Benzo[a]anthracene	14.643	228	873995	48.48	ppb	98
89) 3,3'-Dichlorobenzidine	14.643	252	325062	46.42	ppb	96
90) Chrysene	14.702	228	724612	54.09	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.804	149	646360	49.01	ppb	96
93) Di-n-octylphthalate	15.788	149	1133768	45.04	ppb	97
94) Benzo[b]fluoranthene	16.258	252	853099	46.27	ppb	95
95) Benzo[k]fluoranthene	16.307	252	743389	59.26	ppb	94
96) Benzo[a]pyrene	16.713	252	707469	50.32	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.526	276	743417	42.32	ppb	85
98) Dibenz(a,h)acridine	18.120	279	646464	41.86	ppb	72
99) Dibenz[a,h]anthracene	18.569	278	684233	51.54	ppb	94
100) 7,12-Dimethylbenz(a)an...	16.264	256	414098	39.79	ppb	93
101) Benzo[g,h,i]perylene	19.024	276	688254	49.46	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	237933	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	896366	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	476066	40.00	ppb		0.00
69) Phenanthrene-d10	10.455	188	705835	40.00	ppb		0.00
83) Chrysene-d12	14.659	240	628622	40.00	ppb		0.00
92) Perylene-d12	16.793	264	537290	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	237933	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	476066	40.00	ppb		0.00
106) Phenanthrene-d10a	10.455	188	705835	40.00	ppb		0.00
110) Chrysene-d12a	14.659	240	628622	40.00	ppb		0.00
112) Naphthalene-d8a	6.123	136	896366	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	214762	25.90	ppb		0.00
Spiked Amount 50.000			Recovery = 51.80%				
8) Phenol-d5	4.684	99	266573	26.52	ppb		0.00
Spiked Amount 50.000			Recovery = 53.04%				
25) Nitrobenzene-d5	5.438	82	203434	25.46	ppb		0.00
Spiked Amount 50.000			Recovery = 50.92%				
51) 2-Fluorobiphenyl	7.353	172	379570	27.21	ppb		0.00
Spiked Amount 50.000			Recovery = 54.42%				
73) 2,4,6-Tribromophenol	9.396	330	35251	27.52	ppb		0.00
Spiked Amount 50.000			Recovery = 55.04%				
85) Terphenyl-d14	13.012	244	350134	25.44	ppb		0.00
Spiked Amount 50.000			Recovery = 50.88%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.571	88	99876	23.95	ppb		97
3) Pyridine	2.876	79	256442	24.36	ppb		99
4) N-Nitrosodimethylamine	2.844	74	151616	25.75	ppb		100
6) Indene	5.192	116	388493	27.45	ppb		98
7) Cumene	4.374	105	545783	27.28	ppb		97
9) Phenol	4.695	94	291221	25.08	ppb		87
10) Aniline	4.721	93	331557	30.59	ppb		99
11) bis(2-Chloroethyl)ether	4.764	93	208146	26.53	ppb		99
12) 2-Chlorophenol	4.818	128	230634	26.16	ppb		98
13) Decane	4.850	43	241142	29.03	ppb		99
14) 1,3-Dichlorobenzene	4.935	146	246162	27.19	ppb		99
15) 1,4-Dichlorobenzene	4.994	146	245679	27.57	ppb		97
16) Benzyl alcohol	5.085	108	152198	26.32	ppb		95
17) 1,2-Dichlorobenzene	5.123	146	226742	27.86	ppb		99
18) Acetophenone	5.304	105	305338	27.49	ppb		98
19) 2-Methylphenol	5.171	108	198280	26.77	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.192	121	77944	27.34	ppb	#	85
21) 3&4-Methylphenol	5.294	108	216896	27.85	ppb		98
22) n-Nitroso-di-n-propyla...	5.304	70	149503	29.55	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	67709	27.72	ppb	95
26) Nitrobenzene	5.454	77	227019	26.21	ppb	98
27) Quinoline	6.497	129	415278	24.11	ppb	99
28) Isophorone	5.668	82	394156	26.62	ppb	96
29) 2-Nitrophenol	5.748	139	112108	23.95	ppb	95
30) 2,4-Dimethylphenol	5.770	107	183803	24.23	ppb	100
31) Benzoic acid	5.861	105	126576	20.77	ppb	98
32) bis(2-Chloroethoxy)met...	5.861	93	227348	25.75	ppb	98
33) 2,4-Dichlorophenol	5.973	162	159762	25.71	ppb	99
34) 2,6-Dichlorophenol	6.203	162	152280	25.80	ppb	99
35) 1,3,5-Trichlorobenzene	5.759	180	184709	24.67	ppb	98
36) 1,2,4-Trichlorobenzene	6.064	180	170722	27.33	ppb	97
37) 1,2,3-Trichlorobenzene	6.294	180	163564	26.24	ppb	99
38) Naphthalene	6.144	128	608436	27.57	ppb	99
39) 4-Chloroaniline	6.187	127	269683	27.80	ppb	99
40) 2,3-Dichloroaniline	7.246	161	200185	24.79	ppb	98
41) Caprolactam	6.556	55	99027	22.44	ppb	98
42) Hexachlorobutadiene	6.278	225	77535	27.67	ppb	99
43) 4-Chloro-3-methylphenol	6.711	107	171438	25.09	ppb	97
44) 2-Methylnaphthalene	6.904	141	362072	26.54	ppb	100
45) 1-Methylnaphthalene	7.021	141	360177	24.71	ppb	99
46) Dimethylnaphthalene	7.690	156	362465	24.91	ppb	98
48) Hexachlorocyclopentadiene	7.107	237	170391	49.20	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	99397	25.92	ppb	100
50) 2,4,5-Trichlorophenol	7.294	196	104085	26.59	ppb	97
52) 2-Chloronaphthalene	7.508	162	348792	27.73	ppb	97
53) Biphenyl	7.481	154	484812	24.69	ppb	100
54) 2-Nitroaniline	7.636	65	112929	23.84	ppb	96
55) Dimethylphthalate	7.888	163	360828	26.02	ppb	99
56) Acenaphthylene	8.059	152	571006	26.21	ppb	98
57) 2,6-Dinitrotoluene	7.963	165	80864	24.12	ppb	100
58) 3-Nitroaniline	8.193	138	109721	24.57	ppb	96
59) Acenaphthene	8.300	153	360842	26.09	ppb	97
60) 2,4-Dinitrophenol	8.337	184	65524	39.20	ppb	87
61) 4-Nitrophenol	8.433	109	49885	23.02	ppb	97
62) Dibenzofuran	8.546	168	469782	26.20	ppb	99
63) 2,4-Dinitrotoluene	8.530	165	112277	24.46	ppb	94
64) 2,3,4,6-Tetrachlorophenol	8.728	232	75802	25.44	ppb	97
65) Diethylphthalate	8.904	149	367443	25.57	ppb	99
66) Fluorene	9.043	166	400333	25.67	ppb	98
67) 4-Chlorophenyl-phenyle...	9.054	204	160159	26.57	ppb	94
68) 4-Nitroaniline	9.070	138	114904	26.32	ppb	99
70) 4,6-Dinitro-2-methylph...	9.123	198	45830	21.61	ppb	95
71) n-Nitrosodiphenylamine	9.230	169	260275	25.42	ppb	98
72) 1,2-Diphenylhydrazine	9.289	77	430294	26.03	ppb	99
74) 4-Bromophenyl-phenylether	9.787	248	84891	26.54	ppb	99
75) Hexachlorobenzene	9.878	284	88354	28.20	ppb	92
76) Pentachlorophenol	10.177	266	112188	48.55	ppb	99
77) Phenanthrene	10.493	178	513729	26.57	ppb	99
78) Anthracene	10.573	178	523721	27.18	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) Carbazole	10.830	167	525173	24.11 ppb	99
80) Di-n-butylphthalate	11.450	149	606621	25.01 ppb	99
81) Fluoranthene	12.365	202	536008	25.14 ppb	99
82) Octadecane	10.386	57	290621	24.41 ppb	100
84) Pyrene	12.718	202	560264	24.56 ppb	99
86) Butylbenzylphthalate	13.841	149	264450	21.92 ppb	96
87) Butyl stearate	14.001	56	194776	23.54 ppb	97
88) Benzo[a]anthracene	14.643	228	495057	24.45 ppb	99
89) 3,3'-Dichlorobenzidine	14.638	252	175462	22.62 ppb	98
90) Chrysene	14.697	228	419549	26.87 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	343415	23.10 ppb	100
93) Di-n-octylphthalate	15.788	149	582327	21.18 ppb	99
94) Benzo[b]fluoranthene	16.253	252	486963	23.98 ppb	97
95) Benzo[k]fluoranthene	16.296	252	436440	29.00 ppb	99
96) Benzo[a]pyrene	16.702	252	401898	25.25 ppb	100
97) Indeno[1,2,3-cd]pyrene	18.510	276	406893	21.61 ppb	98
98) Dibenz(a,h)acridine	18.114	279	354073	21.46 ppb	98
99) Dibenz[a,h]anthracene	18.553	278	392300	25.89 ppb	99
100) 7,12-Dimethylbenz(a)an...	16.258	256	213734	19.51 ppb	98
101) Benzo[g,h,i]perylene	19.008	276	390385	24.92 ppb	95

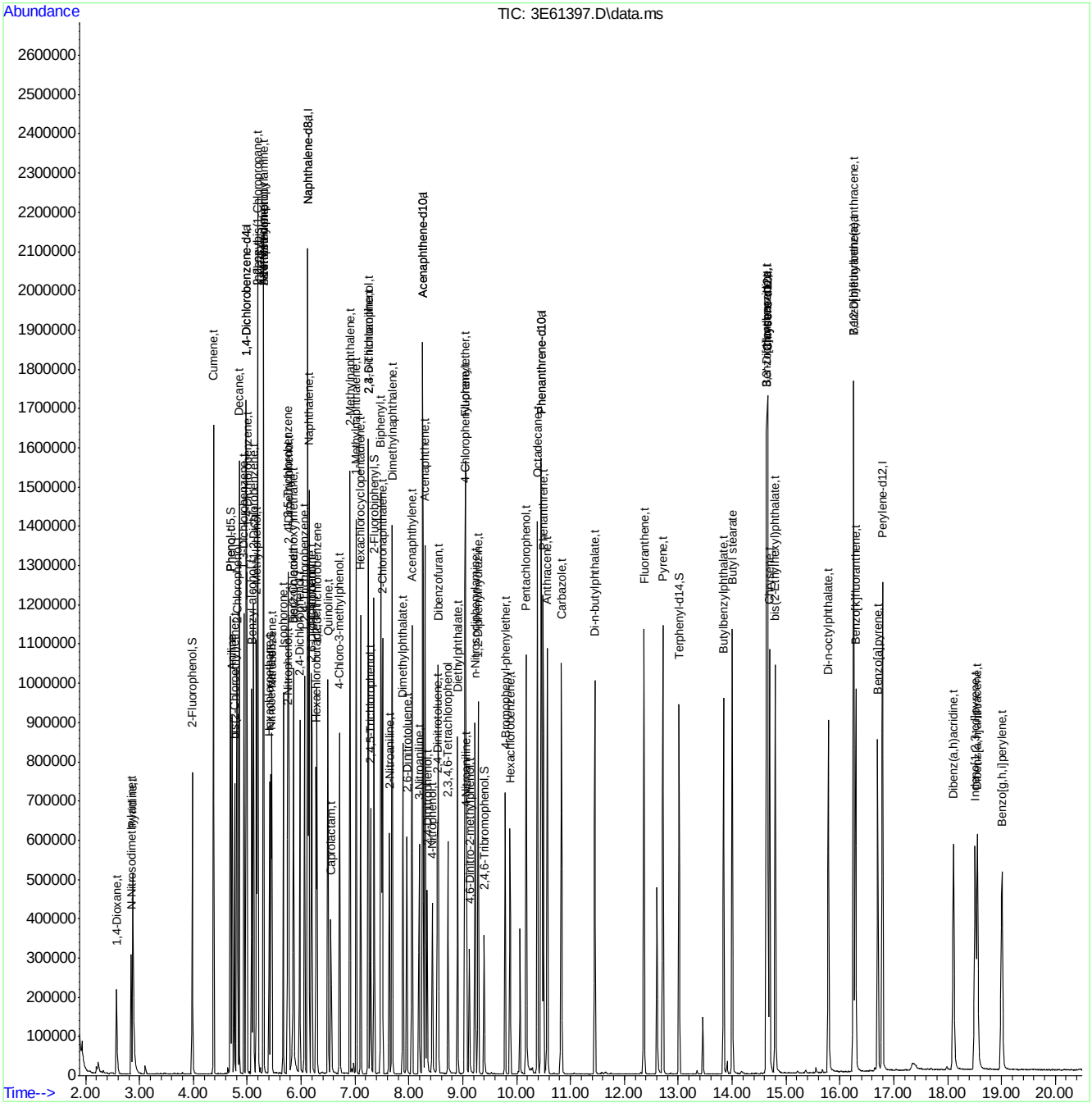
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	347404	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1287319	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	698038	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	1044857	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	950511	40.00	ppb	0.00
92) Perylene-d12	16.794	264	781278	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	347404	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	698038	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	1044857	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	950511	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1287319	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.978	112	116635	9.93	ppb	0.00
Spiked Amount 50.000			Recovery = 19.86%			
8) Phenol-d5	4.679	99	146361	10.06	ppb	0.00
Spiked Amount 50.000			Recovery = 20.12%			
25) Nitrobenzene-d5	5.438	82	113169	10.15	ppb	0.00
Spiked Amount 50.000			Recovery = 20.30%			
51) 2-Fluorobiphenyl	7.353	172	215199	10.05	ppb	0.00
Spiked Amount 50.000			Recovery = 20.10%			
73) 2,4,6-Tribromophenol	9.396	330	19438	10.63	ppb	0.00
Spiked Amount 50.000			Recovery = 21.26%			
85) Terphenyl-d14	13.012	244	199326	9.92	ppb	0.00
Spiked Amount 50.000			Recovery = 19.84%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.571	88	63002	10.06	ppb	100
3) Pyridine	2.876	79	154968	10.07	ppb	95
4) N-Nitrosodimethylamine	2.844	74	85536	10.00	ppb	100
6) Indene	5.192	116	250383	10.84	ppb	98
7) Cumene	4.374	105	347713	10.69	ppb	97
9) Phenol	4.690	94	165840	9.89	ppb	90
10) Aniline	4.716	93	178377	10.00	ppb	99
11) bis(2-Chloroethyl)ether	4.759	93	118527	10.05	ppb	98
12) 2-Chlorophenol	4.813	128	130295	10.01	ppb	97
13) Decane	4.850	43	155205	11.01	ppb	98
14) 1,3-Dichlorobenzene	4.936	146	139661	10.04	ppb	100
15) 1,4-Dichlorobenzene	4.994	146	138406	10.01	ppb	96
16) Benzyl alcohol	5.080	108	83396	9.98	ppb	99
17) 1,2-Dichlorobenzene	5.123	146	129983	10.15	ppb	97
18) Acetophenone	5.305	105	197114	10.80	ppb	100
19) 2-Methylphenol	5.171	108	114515	10.32	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.192	121	44621	10.18	ppb	89
21) 3&4-Methylphenol	5.294	108	123301	10.48	ppb	97
22) n-Nitroso-di-n-propyla...	5.299	70	84616	10.44	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.412	201	38588	10.20	ppb	90
26) Nitrobenzene	5.454	77	126639	10.12	ppb	98
27) Quinoline	6.492	129	269234	10.51	ppb	99
28) Isophorone	5.663	82	219718	10.25	ppb	99
29) 2-Nitrophenol	5.743	139	60912	10.11	ppb	99
30) 2,4-Dimethylphenol	5.770	107	94360	9.96	ppb	98
31) Benzoic acid	5.845	105	62087	10.22	ppb	98
32) bis(2-Chloroethoxy)met...	5.861	93	128430	9.99	ppb	99
33) 2,4-Dichlorophenol	5.973	162	90638	10.22	ppb	99
34) 2,6-Dichlorophenol	6.198	162	87525	10.17	ppb	97
35) 1,3,5-Trichlorobenzene	5.759	180	120159	10.37	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	98845	10.17	ppb	98
37) 1,2,3-Trichlorobenzene	6.294	180	107603	10.56	ppb	99
38) Naphthalene	6.144	128	353611	10.16	ppb	98
39) 4-Chloroaniline	6.187	127	148867	10.24	ppb	98
40) 2,3-Dichloroaniline	7.241	161	127014	10.50	ppb	98
41) Caprolactam	6.540	55	60687	10.42	ppb	98
42) Hexachlorobutadiene	6.278	225	45051	10.16	ppb	100
43) 4-Chloro-3-methylphenol	6.711	107	95367	10.14	ppb	94
44) 2-Methylnaphthalene	6.904	141	202782	10.02	ppb	98
45) 1-Methylnaphthalene	7.022	141	229500	10.37	ppb	99
46) Dimethylnaphthalene	7.685	156	233326	10.57	ppb	99
48) Hexachlorocyclopentadiene	7.107	237	97950	20.54	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	57574	10.48	ppb	98
50) 2,4,5-Trichlorophenol	7.289	196	59877	10.40	ppb	98
52) 2-Chloronaphthalene	7.503	162	200752	10.16	ppb	97
53) Biphenyl	7.482	154	315130	10.48	ppb	99
54) 2-Nitroaniline	7.631	65	59837	9.60	ppb	96
55) Dimethylphthalate	7.888	163	209124	9.99	ppb	100
56) Acenaphthylene	8.054	152	328037	10.22	ppb	98
57) 2,6-Dinitrotoluene	7.958	165	43661	9.41	ppb	99
58) 3-Nitroaniline	8.188	138	59623	10.41	ppb	98
59) Acenaphthene	8.300	153	204887	9.97	ppb	98
60) 2,4-Dinitrophenol	8.332	184	29726	22.75	ppb	88
61) 4-Nitrophenol	8.428	109	26646	9.08	ppb	99
62) Dibenzofuran	8.541	168	271506	9.91	ppb	100
63) 2,4-Dinitrotoluene	8.525	165	59085	9.39	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.722	232	43071	10.57	ppb	95
65) Diethylphthalate	8.899	149	211194	10.20	ppb	98
66) Fluorene	9.038	166	228256	10.08	ppb	99
67) 4-Chlorophenyl-phenyle...	9.054	204	95304	10.22	ppb	91
68) 4-Nitroaniline	9.065	138	62286	10.62	ppb	98
70) 4,6-Dinitro-2-methylph...	9.118	198	21953	7.66	ppb	95
71) n-Nitrosodiphenylamine	9.225	169	151813	10.25	ppb	96
72) 1,2-Diphenylhydrazine	9.284	77	240199	10.21	ppb	96
74) 4-Bromophenyl-phenylether	9.787	248	50328	10.35	ppb	97
75) Hexachlorobenzene	9.872	284	51621	10.11	ppb	93
76) Pentachlorophenol	10.177	266	62726	20.17	ppb	99
77) Phenanthrene	10.493	178	296391	10.06	ppb	98
78) Anthracene	10.568	178	296699	10.30	ppb	99

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

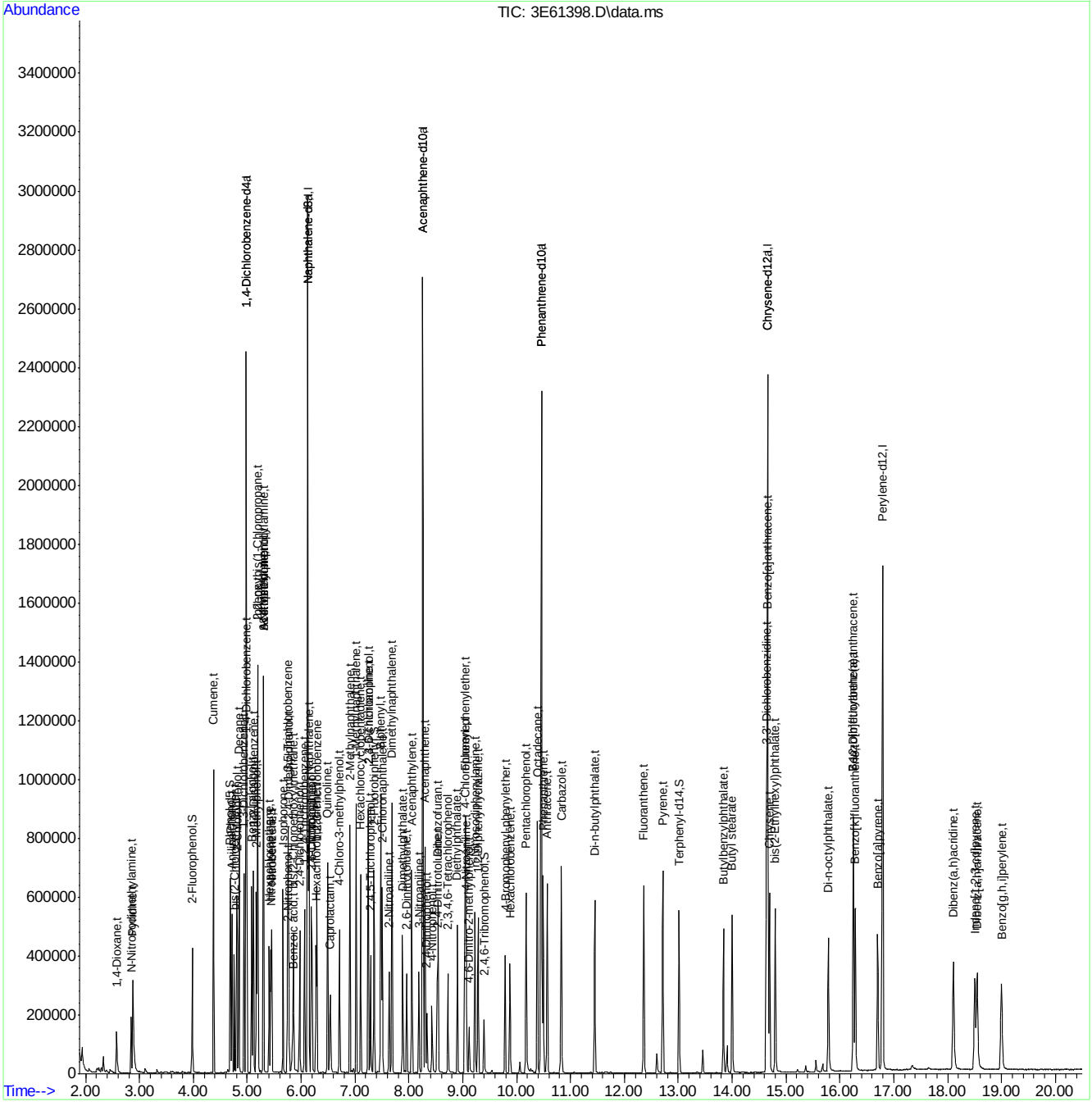
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	338608	10.59	ppb	99
80) Di-n-butylphthalate	11.450	149	339861	10.33	ppb	98
81) Fluoranthene	12.360	202	302992	10.12	ppb	98
82) Octadecane	10.386	57	180331	10.83	ppb	99
84) Pyrene	12.713	202	321157	9.89	ppb	99
86) Butylbenzylphthalate	13.841	149	142073	9.78	ppb	96
87) Butyl stearate	13.996	56	96742	9.17	ppb	98
88) Benzo[a]anthracene	14.643	228	284506	9.68	ppb	99
89) 3,3'-Dichlorobenzidine	14.633	252	97610	9.46	ppb	100
90) Chrysene	14.697	228	241961	10.02	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	185625	9.52	ppb	99
93) Di-n-octylphthalate	15.788	149	306433	10.03	ppb	99
94) Benzo[b]fluoranthene	16.248	252	268355	10.17	ppb	95
95) Benzo[k]fluoranthene	16.291	252	261384	11.01	ppb	97
96) Benzo[a]pyrene	16.703	252	224798	10.36	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.505	276	222068	10.01	ppb	93
98) Dibenz(a,h)acridine	18.109	279	225269	10.54	ppb	97
99) Dibenz[a,h]anthracene	18.548	278	221984	10.40	ppb	97
100) 7,12-Dimethylbenz(a)an...	16.253	256	78383	9.55	ppb	95
101) Benzo[g,h,i]perylene	19.003	276	221935	10.34	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	391999	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	1444960	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	789633	40.00	ppb		0.00
69) Phenanthrene-d10	10.461	188	1194683	40.00	ppb		0.00
83) Chrysene-d12	14.659	240	1069339	40.00	ppb		0.00
92) Perylene-d12	16.793	264	899595	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	391999	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	789633	40.00	ppb		0.00
106) Phenanthrene-d10a	10.461	188	1194683	40.00	ppb		0.00
110) Chrysene-d12a	14.659	240	1069339	40.00	ppb		0.00
112) Naphthalene-d8a	6.123	136	1444960	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	66174	5.00	ppb		0.00
Spiked Amount 50.000			Recovery = 10.00%				
8) Phenol-d5	4.679	99	83454	5.09	ppb		0.00
Spiked Amount 50.000			Recovery = 10.18%				
25) Nitrobenzene-d5	5.438	82	64614	5.16	ppb		0.00
Spiked Amount 50.000			Recovery = 10.32%				
51) 2-Fluorobiphenyl	7.353	172	126705	5.23	ppb		0.00
Spiked Amount 50.000			Recovery = 10.46%				
73) 2,4,6-Tribromophenol	9.396	330	11147	5.33	ppb		0.00
Spiked Amount 50.000			Recovery = 10.66%				
85) Terphenyl-d14	13.012	244	115027	5.09	ppb		0.00
Spiked Amount 50.000			Recovery = 10.18%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.571	88	36945	5.23	ppb		98
3) Pyridine	2.882	79	89684	5.16	ppb		98
4) N-Nitrosodimethylamine	2.844	74	49196	5.10	ppb		97
6) Indene	5.192	116	144829	5.56	ppb		96
7) Cumene	4.374	105	201829	5.50	ppb		96
9) Phenol	4.689	94	94834	5.01	ppb		88
10) Aniline	4.716	93	109364	5.43	ppb		99
11) bis(2-Chloroethyl)ether	4.759	93	68770	5.17	ppb		97
12) 2-Chlorophenol	4.812	128	75564	5.15	ppb		97
13) Decane	4.850	43	90297	5.68	ppb		98
14) 1,3-Dichlorobenzene	4.935	146	81386	5.19	ppb		100
15) 1,4-Dichlorobenzene	4.994	146	80734	5.18	ppb		97
16) Benzyl alcohol	5.080	108	48239	5.12	ppb		98
17) 1,2-Dichlorobenzene	5.123	146	74946	5.19	ppb		99
18) Acetophenone	5.304	105	115221	5.59	ppb		99
19) 2-Methylphenol	5.171	108	66941	5.34	ppb		96
20) 2,2'-oxybis(1-Chloropr...	5.192	121	25956	5.25	ppb	#	76
21) 3&4-Methylphenol	5.294	108	69460	5.23	ppb		99
22) n-Nitroso-di-n-propyla...	5.299	70	49244	5.39	ppb		98

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	22330	5.23	ppb	90
26) Nitrobenzene	5.454	77	72110	5.13	ppb	99
27) Quinoline	6.492	129	156324	5.44	ppb	99
28) Isophorone	5.663	82	124971	5.19	ppb	99
29) 2-Nitrophenol	5.743	139	33020	4.88	ppb	97
30) 2,4-Dimethylphenol	5.770	107	50364	4.74	ppb	99
31) Benzoic acid	5.829	105	27913	6.18	ppb	92
32) bis(2-Chloroethoxy)met...	5.861	93	74562	5.17	ppb	100
33) 2,4-Dichlorophenol	5.973	162	51864	5.21	ppb	98
34) 2,6-Dichlorophenol	6.198	162	50639	5.24	ppb	99
35) 1,3,5-Trichlorobenzene	5.759	180	71659	5.51	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	58726	5.38	ppb	96
37) 1,2,3-Trichlorobenzene	6.294	180	64373	5.63	ppb	98
38) Naphthalene	6.144	128	206891	5.30	ppb	98
39) 4-Chloroaniline	6.187	127	85662	5.25	ppb	99
40) 2,3-Dichloroaniline	7.241	161	73575	5.42	ppb	99
41) Caprolactam	6.529	55	33538	5.13	ppb	96
42) Hexachlorobutadiene	6.278	225	26593	5.34	ppb	98
43) 4-Chloro-3-methylphenol	6.706	107	53899	5.11	ppb	98
44) 2-Methylnaphthalene	6.904	141	117917	5.19	ppb	100
45) 1-Methylnaphthalene	7.021	141	133883	5.39	ppb	99
46) Dimethylnaphthalene	7.685	156	134786	5.44	ppb	100
48) Hexachlorocyclopentadiene	7.102	237	55852	10.35	ppb	99
49) 2,4,6-Trichlorophenol	7.246	196	32420	5.21	ppb	93
50) 2,4,5-Trichlorophenol	7.289	196	34320	5.27	ppb	98
52) 2-Chloronaphthalene	7.503	162	118833	5.32	ppb	96
53) Biphenyl	7.481	154	181706	5.34	ppb	99
54) 2-Nitroaniline	7.631	65	31747	4.50	ppb	93
55) Dimethylphthalate	7.882	163	121312	5.12	ppb	100
56) Acenaphthylene	8.054	152	189240	5.21	ppb	97
57) 2,6-Dinitrotoluene	7.957	165	23206	4.68	ppb	100
58) 3-Nitroaniline	8.187	138	31543	4.87	ppb	96
59) Acenaphthene	8.300	153	117846	5.07	ppb	99
60) 2,4-Dinitrophenol	8.332	184	11931	15.60	ppb	77
61) 4-Nitrophenol	8.428	109	14096	4.24	ppb	96
62) Dibenzofuran	8.540	168	159450	5.14	ppb	99
63) 2,4-Dinitrotoluene	8.524	165	31254	4.71	ppb	91
64) 2,3,4,6-Tetrachlorophenol	8.722	232	23904	5.19	ppb	96
65) Diethylphthalate	8.899	149	119130	5.09	ppb	99
66) Fluorene	9.038	166	129502	5.06	ppb	99
67) 4-Chlorophenyl-phenyle...	9.054	204	56716	5.38	ppb	89
68) 4-Nitroaniline	9.059	138	33454	5.04	ppb	98
70) 4,6-Dinitro-2-methylph...	9.118	198	10133	3.09	ppb	91
71) n-Nitrosodiphenylamine	9.225	169	85946	5.07	ppb	97
72) 1,2-Diphenylhydrazine	9.284	77	135291	5.03	ppb	97
74) 4-Bromophenyl-phenylether	9.787	248	28593	5.14	ppb	97
75) Hexachlorobenzene	9.872	284	31898	5.46	ppb	88
76) Pentachlorophenol	10.177	266	33236	9.35	ppb	100
77) Phenanthrene	10.493	178	172532	5.12	ppb	98
78) Anthracene	10.567	178	170642	5.18	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

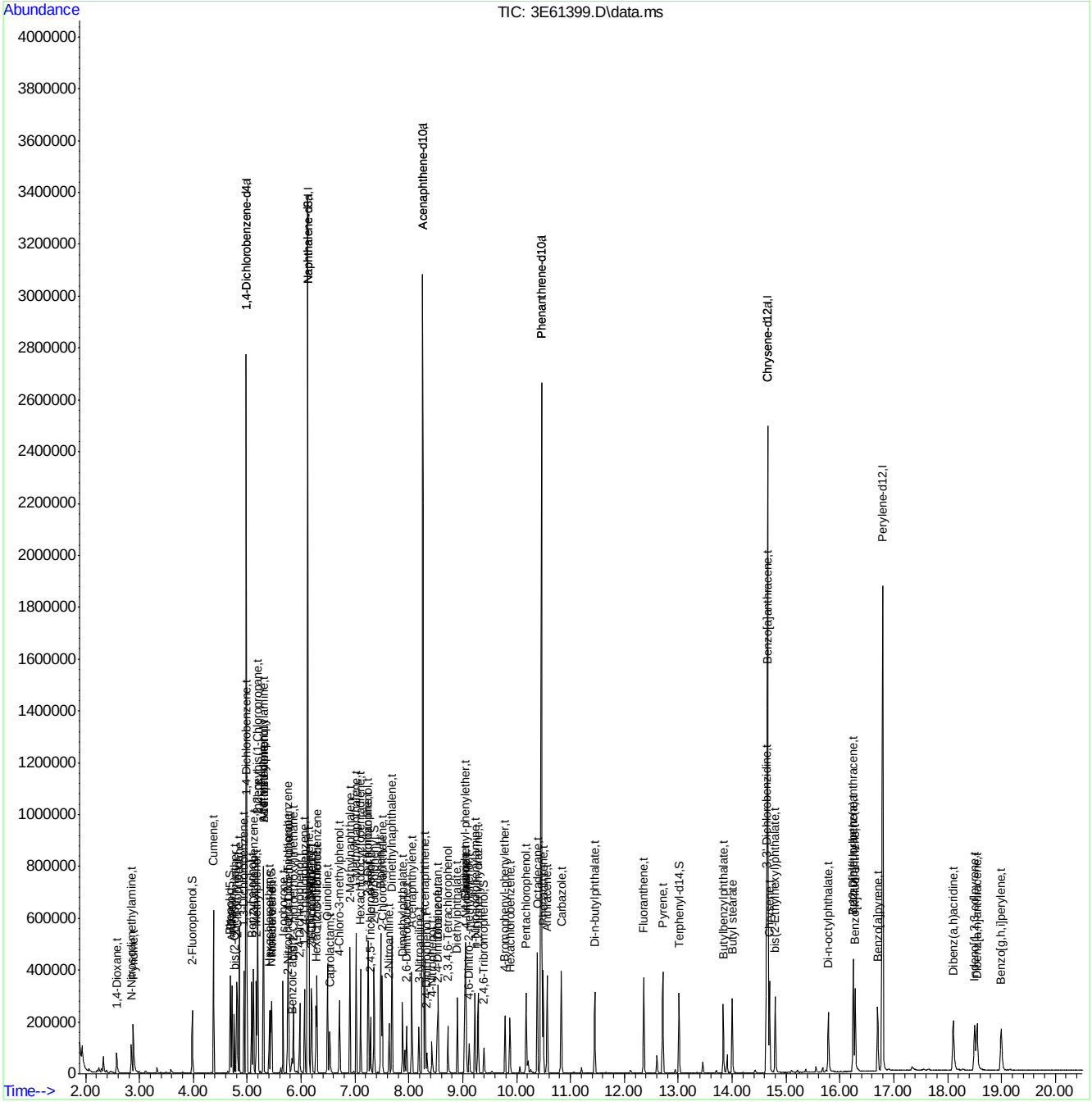
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	193494	5.29	ppb	97
80) Di-n-butylphthalate	11.450	149	185974	4.94	ppb	99
81) Fluoranthene	12.359	202	170973	5.00	ppb	98
82) Octadecane	10.386	57	99420	5.22	ppb	99
84) Pyrene	12.712	202	182864	5.01	ppb	99
86) Butylbenzylphthalate	13.836	149	74606	5.79	ppb	99
87) Butyl stearate	14.001	56	49854	4.20	ppb	95
88) Benzo[a]anthracene	14.643	228	161810	4.89	ppb	99
89) 3,3'-Dichlorobenzidine	14.632	252	51610	4.45	ppb	98
90) Chrysene	14.697	228	139536	5.13	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	96827	4.41	ppb	100
93) Di-n-octylphthalate	15.782	149	154414	5.92	ppb	98
94) Benzo[b]fluoranthene	16.248	252	150406	4.95	ppb	93
95) Benzo[k]fluoranthene	16.285	252	148745	5.44	ppb	98
96) Benzo[a]pyrene	16.702	252	124999	5.00	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.500	276	118554	4.64	ppb	98
98) Dibenz(a,h)acridine	18.109	279	122446	4.97	ppb	96
99) Dibenz[a,h]anthracene	18.548	278	125296	5.10	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.248	256	30539	6.62	ppb	98
101) Benzo[g,h,i]perylene	18.997	276	122344	4.95	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	361091	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	1343600	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	746225	40.00	ppb		0.00
69) Phenanthrene-d10	10.455	188	1133882	40.00	ppb		0.00
83) Chrysene-d12	14.659	240	1016776	40.00	ppb		0.00
92) Perylene-d12	16.793	264	866717	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	361091	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	746225	40.00	ppb		0.00
106) Phenanthrene-d10a	10.455	188	1133882	40.00	ppb		0.00
110) Chrysene-d12a	14.659	240	1016776	40.00	ppb		0.00
112) Naphthalene-d8a	6.123	136	1343600	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	22961	1.88	ppb		0.00
Spiked Amount 50.000			Recovery =	3.76%			
8) Phenol-d5	4.679	99	28923	1.91	ppb		0.00
Spiked Amount 50.000			Recovery =	3.82%			
25) Nitrobenzene-d5	5.438	82	21416	1.84	ppb		0.00
Spiked Amount 50.000			Recovery =	3.68%			
51) 2-Fluorobiphenyl	7.353	172	47100	2.06	ppb		0.00
Spiked Amount 50.000			Recovery =	4.12%			
73) 2,4,6-Tribromophenol	9.396	330	3501	1.76	ppb		0.00
Spiked Amount 50.000			Recovery =	3.52%			
85) Terphenyl-d14	13.012	244	40429	1.88	ppb		0.00
Spiked Amount 50.000			Recovery =	3.76%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.577	88	13971	2.15	ppb		95
3) Pyridine	2.892	79	32000	2.00	ppb		98
4) N-Nitrosodimethylamine	2.849	74	17671	1.99	ppb		97
6) Indene	5.192	116	51329	2.14	ppb		96
7) Cumene	4.374	105	73039	2.16	ppb		95
9) Phenol	4.689	94	33429	1.92	ppb		86
10) Aniline	4.716	93	41418	2.23	ppb		100
11) bis(2-Chloroethyl)ether	4.764	93	24777	2.02	ppb		93
12) 2-Chlorophenol	4.812	128	25864	1.91	ppb		96
13) Decane	4.850	43	32469	2.22	ppb		97
14) 1,3-Dichlorobenzene	4.935	146	29597	2.05	ppb		98
15) 1,4-Dichlorobenzene	4.994	146	29531	2.06	ppb		99
16) Benzyl alcohol	5.080	108	16498	1.90	ppb		98
17) 1,2-Dichlorobenzene	5.117	146	27677	2.08	ppb		94
18) Acetophenone	5.305	105	41236	2.17	ppb		99
19) 2-Methylphenol	5.171	108	22037	1.91	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.192	121	9447	2.07	ppb	#	68
21) 3&4-Methylphenol	5.294	108	23120	1.89	ppb		100
22) n-Nitroso-di-n-propyla...	5.299	70	17586	2.09	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	8287	2.11	ppb	90
26) Nitrobenzene	5.454	77	24895	1.91	ppb	99
27) Quinoline	6.492	129	55187	2.06	ppb	97
28) Isophorone	5.663	82	43669	1.95	ppb	100
29) 2-Nitrophenol	5.743	139	10236	1.63	ppb	97
30) 2,4-Dimethylphenol	5.770	107	13271	1.34	ppb	93
31) Benzoic acid	5.813	105	6218	4.13	ppb	93
32) bis(2-Chloroethoxy)met...	5.861	93	26805	2.00	ppb	98
33) 2,4-Dichlorophenol	5.973	162	17603	1.90	ppb	97
34) 2,6-Dichlorophenol	6.198	162	17802	1.98	ppb	97
35) 1,3,5-Trichlorobenzene	5.759	180	26079	2.16	ppb	96
36) 1,2,4-Trichlorobenzene	6.064	180	21694	2.14	ppb	96
37) 1,2,3-Trichlorobenzene	6.294	180	23874	2.24	ppb	95
38) Naphthalene	6.144	128	77095	2.12	ppb	97
39) 4-Chloroaniline	6.187	127	30565	2.01	ppb	98
40) 2,3-Dichloroaniline	7.241	161	25973	2.06	ppb	98
41) Caprolactam	6.524	55	11044	1.82	ppb	93
42) Hexachlorobutadiene	6.278	225	9852	2.13	ppb	96
43) 4-Chloro-3-methylphenol	6.706	107	17574	1.79	ppb	94
44) 2-Methylnaphthalene	6.904	141	42422	2.01	ppb	98
45) 1-Methylnaphthalene	7.021	141	48843	2.12	ppb	98
46) Dimethylnaphthalene	7.685	156	48407	2.10	ppb	98
48) Hexachlorocyclopentadiene	7.102	237	18126	3.56	ppb	99
49) 2,4,6-Trichlorophenol	7.246	196	10664	1.81	ppb	99
50) 2,4,5-Trichlorophenol	7.284	196	11713	1.90	ppb	94
52) 2-Chloronaphthalene	7.503	162	44002	2.08	ppb	95
53) Biphenyl	7.481	154	67076	2.09	ppb	98
54) 2-Nitroaniline	7.631	65	9776	1.47	ppb	97
55) Dimethylphthalate	7.883	163	44420	1.98	ppb	100
56) Acenaphthylene	8.054	152	67391	1.96	ppb	97
57) 2,6-Dinitrotoluene	7.957	165	6765	1.78	ppb	91
58) 3-Nitroaniline	8.187	138	9855	1.61	ppb	98
59) Acenaphthene	8.300	153	43253	1.97	ppb	98
60) 2,4-Dinitrophenol	8.332	184	2321	12.47	ppb	89
61) 4-Nitrophenol	8.428	109	3550	1.13	ppb	93
62) Dibenzofuran	8.540	168	59633	2.04	ppb	98
63) 2,4-Dinitrotoluene	8.519	165	8515	1.79	ppb	90
64) 2,3,4,6-Tetrachlorophenol	8.722	232	7544	1.73	ppb	97
65) Diethylphthalate	8.899	149	41192	1.86	ppb	99
66) Fluorene	9.038	166	45707	1.89	ppb	97
67) 4-Chlorophenyl-phenyle...	9.049	204	20702	2.08	ppb	91
68) 4-Nitroaniline	9.059	138	10243	1.63	ppb	95
70) 4,6-Dinitro-2-methylph...	9.118	198	2094	0.67	ppb	90
71) n-Nitrosodiphenylamine	9.225	169	30278	1.88	ppb	96
72) 1,2-Diphenylhydrazine	9.284	77	47354	1.86	ppb	98
74) 4-Bromophenyl-phenylether	9.787	248	10363	1.96	ppb	92
75) Hexachlorobenzene	9.872	284	11814	2.13	ppb	87
76) Pentachlorophenol	10.177	266	9280	2.75	ppb	96
77) Phenanthrene	10.487	178	64009	2.00	ppb	98
78) Anthracene	10.568	178	60184	1.93	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	67427	1.94	ppb	98
80) Di-n-butylphthalate	11.450	149	58613	1.64	ppb	98
81) Fluoranthene	12.359	202	58059	1.79	ppb	96
82) Octadecane	10.380	57	31849	1.76	ppb	98
84) Pyrene	12.712	202	63105	1.82	ppb	98
86) Butylbenzylphthalate	13.836	149	21289	2.77	ppb	95
87) Butyl stearate	14.001	56	12838	1.14	ppb	94
88) Benzo[a]anthracene	14.638	228	58643	1.87	ppb	97
89) 3,3'-Dichlorobenzidine	14.633	252	15999	1.45	ppb	96
90) Chrysene	14.691	228	51931	2.01	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.798	149	26884	1.29	ppb	97
93) Di-n-octylphthalate	15.782	149	39274	2.76	ppb	98
94) Benzo[b]fluoranthene	16.248	252	48075	1.64	ppb	90
95) Benzo[k]fluoranthene	16.285	252	53558	2.03	ppb	96
96) Benzo[a]pyrene	16.697	252	42387	1.76	ppb	94
97) Indeno[1,2,3-cd]pyrene	18.500	276	39278	1.60	ppb	91
98) Dibenz(a,h)acridine	18.104	279	40003	1.69	ppb	97
99) Dibenz[a,h]anthracene	18.542	278	42085	1.78	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.248	256	6547	3.39	ppb	98
101) Benzo[g,h,i]perylene	18.992	276	41263	1.73	ppb	92

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

9.6.7

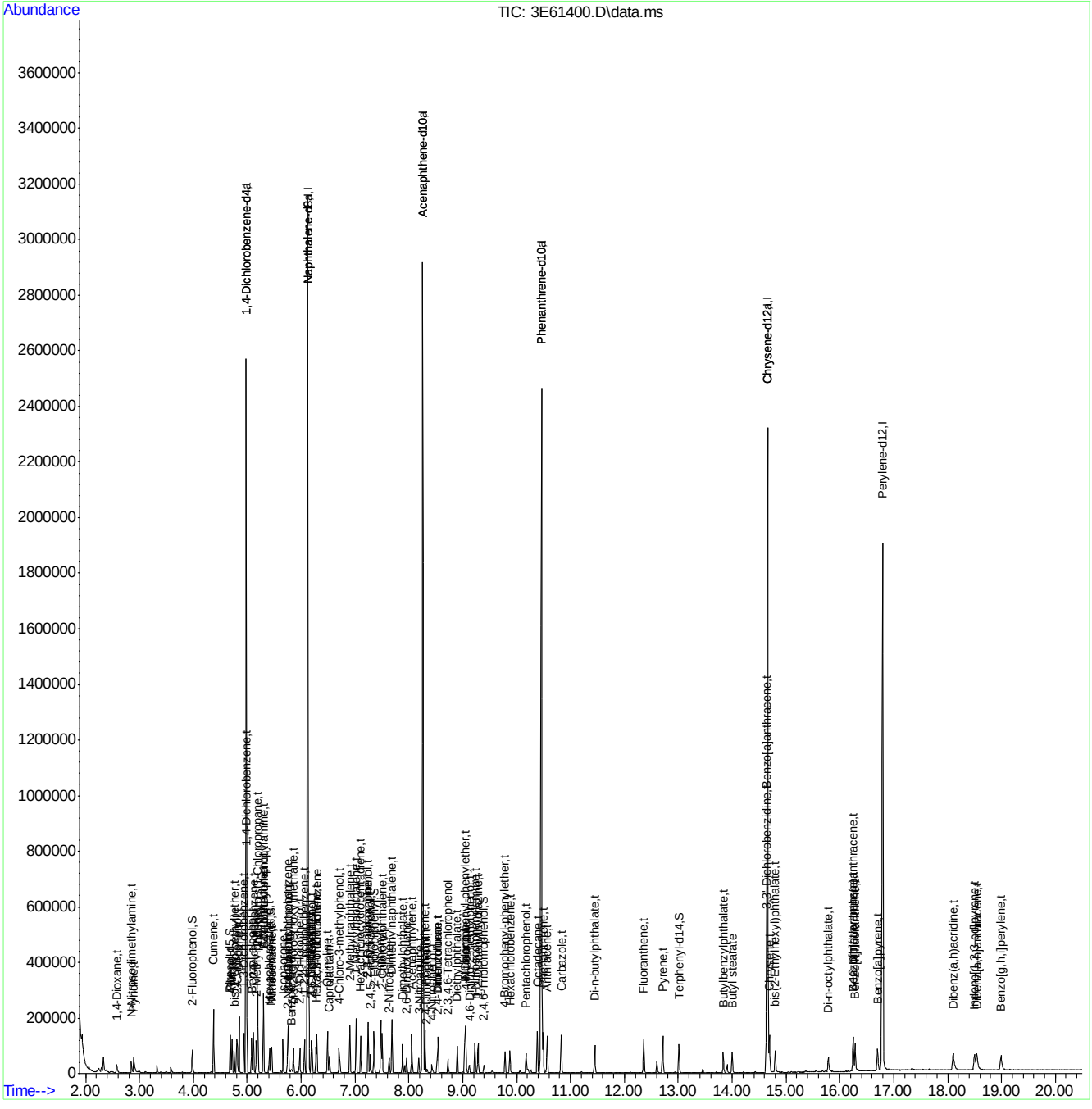
6

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/09/14 23:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	418120	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1540054	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	876530	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	1337410	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	1191289	40.00	ppb	0.00
92) Perylene-d12	16.793	264	1028750	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	418120	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	876530	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	1337410	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	1191289	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1540054	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.978	112	12787	0.90	ppb	0.00
Spiked Amount 50.000			Recovery =	1.80%		
8) Phenol-d5	4.679	99	16152	0.92	ppb	0.00
Spiked Amount 50.000			Recovery =	1.84%		
25) Nitrobenzene-d5	5.438	82	12001	0.90	ppb	0.00
Spiked Amount 50.000			Recovery =	1.80%		
51) 2-Fluorobiphenyl	7.353	172	27325	1.02	ppb	0.00
Spiked Amount 50.000			Recovery =	2.04%		
73) 2,4,6-Tribromophenol	9.396	330	1727	0.74	ppb	0.00
Spiked Amount 50.000			Recovery =	1.48%		
85) Terphenyl-d14	13.012	244	22458	0.89	ppb	0.00
Spiked Amount 50.000			Recovery =	1.78%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.577	88	7749	1.03	ppb	93
3) Pyridine	2.892	79	18336	0.99	ppb	100
4) N-Nitrosodimethylamine	2.850	74	9664	0.94	ppb	100
6) Indene	5.192	116	29697	1.07	ppb	95
7) Cumene	4.374	105	42229	1.08	ppb	95
9) Phenol	4.689	94	20165	1.00	ppb	90
10) Aniline	4.716	93	22608	1.05	ppb	98
11) bis(2-Chloroethyl)ether	4.759	93	14295	1.01	ppb	98
12) 2-Chlorophenol	4.813	128	15806	1.01	ppb	95
13) Decane	4.850	43	18237	1.07	ppb	97
14) 1,3-Dichlorobenzene	4.936	146	17563	1.05	ppb	96
15) 1,4-Dichlorobenzene	4.994	146	17861	1.07	ppb	99
16) Benzyl alcohol	5.080	108	9377	0.93	ppb	98
17) 1,2-Dichlorobenzene	5.117	146	16833	1.09	ppb	95
18) Acetophenone	5.305	105	23596	1.07	ppb	99
19) 2-Methylphenol	5.171	108	13084	0.98	ppb	97
20) 2,2'-oxybis(1-Chloropr...	5.192	121	5298	1.00	ppb #	60
21) 3&4-Methylphenol	5.294	108	13959	0.99	ppb	100
22) n-Nitroso-di-n-propyla...	5.299	70	9973	1.02	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.412	201	4581	1.01	ppb	90
26) Nitrobenzene	5.454	77	14710	0.98	ppb	99
27) Quinoline	6.492	129	30718	1.00	ppb	98
28) Isophorone	5.663	82	23773	0.93	ppb	99
29) 2-Nitrophenol	5.743	139	5659	0.78	ppb	97
30) 2,4-Dimethylphenol	5.770	107	9287	0.82	ppb	97
31) Benzoic acid	5.818	105	3217	3.77	ppb	80
32) bis(2-Chloroethoxy)met...	5.861	93	15228	0.99	ppb	99
33) 2,4-Dichlorophenol	5.973	162	9842	0.93	ppb	99
34) 2,6-Dichlorophenol	6.198	162	9983	0.97	ppb	98
35) 1,3,5-Trichlorobenzene	5.759	180	15063	1.09	ppb	96
36) 1,2,4-Trichlorobenzene	6.064	180	12353	1.06	ppb	97
37) 1,2,3-Trichlorobenzene	6.294	180	13918	1.14	ppb	96
38) Naphthalene	6.144	128	46975	1.13	ppb	97
39) 4-Chloroaniline	6.187	127	17009	0.98	ppb	96
40) 2,3-Dichloroaniline	7.241	161	14599	1.01	ppb	99
41) Caprolactam	6.519	55	5436	0.78	ppb	92
42) Hexachlorobutadiene	6.273	225	5947	1.12	ppb	95
43) 4-Chloro-3-methylphenol	6.706	107	10010	0.89	ppb	93
44) 2-Methylnaphthalene	6.904	141	24864	1.03	ppb	99
45) 1-Methylnaphthalene	7.022	141	27875	1.05	ppb	98
46) Dimethylnaphthalene	7.685	156	26912	1.02	ppb	98
48) Hexachlorocyclopentadiene	7.102	237	9650	1.61	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	6021	0.87	ppb	86
50) 2,4,5-Trichlorophenol	7.284	196	6516	0.90	ppb	99
52) 2-Chloronaphthalene	7.503	162	25808	1.04	ppb	94
53) Biphenyl	7.476	154	38549	1.02	ppb	100
54) 2-Nitroaniline	7.631	65	4824	0.62	ppb	90
55) Dimethylphthalate	7.883	163	27878	1.06	ppb	98
56) Acenaphthylene	8.054	152	37402	0.93	ppb	98
57) 2,6-Dinitrotoluene	7.958	165	3329	1.03	ppb	91
58) 3-Nitroaniline	8.188	138	4523	0.63	ppb	91
59) Acenaphthene	8.300	153	26173	1.01	ppb	99
61) 4-Nitrophenol	8.428	109	1904	0.52	ppb	93
62) Dibenzofuran	8.541	168	37170	1.08	ppb	97
63) 2,4-Dinitrotoluene	8.519	165	3785	1.06	ppb	69
64) 2,3,4,6-Tetrachlorophenol	8.722	232	3744	0.73	ppb	97
65) Diethylphthalate	8.899	149	24343	0.94	ppb	99
66) Fluorene	9.038	166	27487	0.97	ppb	99
67) 4-Chlorophenyl-phenyle...	9.049	204	11863	1.01	ppb	90
68) 4-Nitroaniline	9.059	138	5087	0.69	ppb	93
71) n-Nitrosodiphenylamine	9.225	169	17213	0.91	ppb	93
72) 1,2-Diphenylhydrazine	9.284	77	25311	0.84	ppb	95
74) 4-Bromophenyl-phenylether	9.787	248	6207	1.00	ppb	94
75) Hexachlorobenzene	9.872	284	7077	1.08	ppb	84
76) Pentachlorophenol	10.177	266	4321	1.09	ppb	97
77) Phenanthrene	10.487	178	38659	1.02	ppb	99
78) Anthracene	10.568	178	34103	0.92	ppb	99
79) Carbazole	10.824	167	37221	0.91	ppb	97
80) Di-n-butylphthalate	11.450	149	33407	0.79	ppb	98

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
81) Fluoranthene	12.359	202	33392	0.87 ppb	95
82) Octadecane	10.380	57	16623	0.78 ppb	99
84) Pyrene	12.712	202	35460	0.87 ppb	100
86) Butylbenzylphthalate	13.836	149	11043	2.36 ppb	94
87) Butyl stearate	14.001	56	5655	0.43 ppb	85
88) Benzo[a]anthracene	14.643	228	35935	0.98 ppb	97
89) 3,3'-Dichlorobenzidine	14.633	252	8207	0.63 ppb	99
90) Chrysene	14.691	228	29813	0.98 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	12931	0.53 ppb	97
93) Di-n-octylphthalate	15.783	149	16413	2.57 ppb	95
94) Benzo[b]fluoranthene	16.243	252	25763	0.74 ppb	93
95) Benzo[k]fluoranthene	16.285	252	29994	0.96 ppb	94
96) Benzo[a]pyrene	16.697	252	22954	0.80 ppb	96
97) Indeno[1,2,3-cd]pyrene	18.500	276	22280m	0.76 ppb	
98) Dibenz(a,h)acridine	18.104	279	21891	0.78 ppb	96
99) Dibenz[a,h]anthracene	18.542	278	24816	0.88 ppb	93
100) 7,12-Dimethylbenz(a)an...	16.248	256	2190	3.06 ppb	97
101) Benzo[g,h,i]perylene	18.992	276	24631	0.87 ppb	91

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

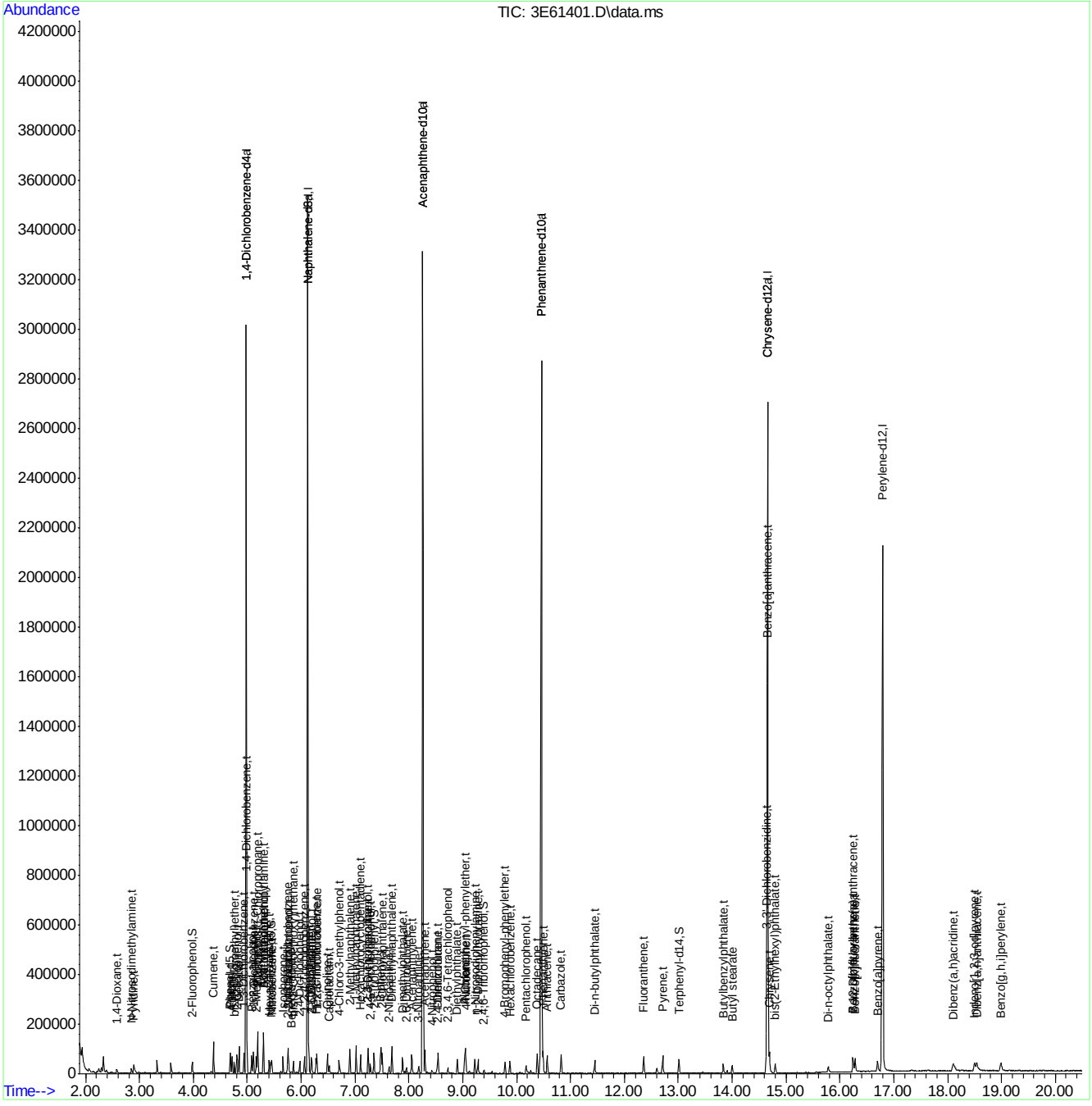
9.6.8

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration



Manual Integration Approval Summary

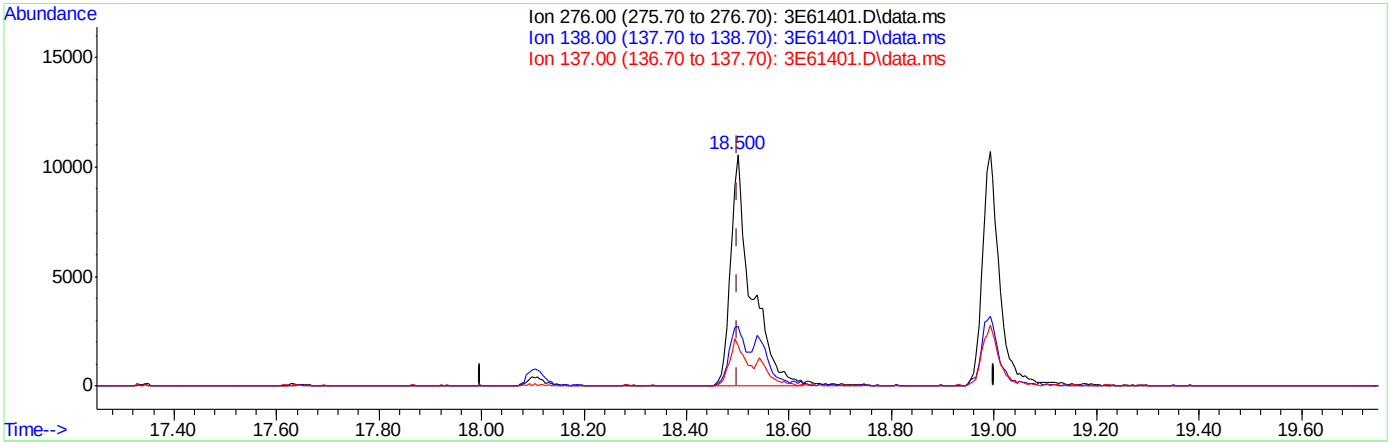
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61401.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 21:01	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

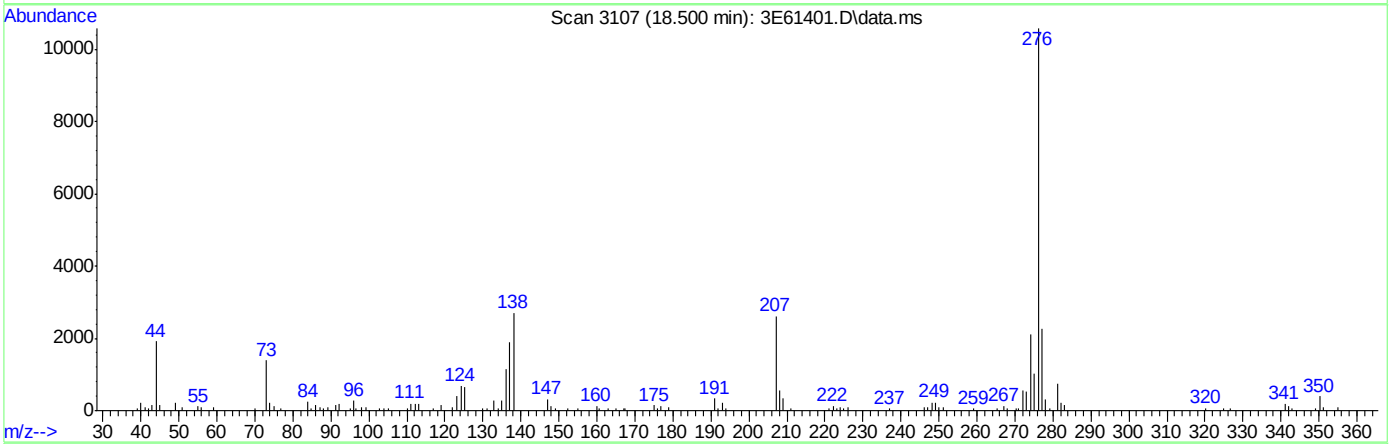
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.50	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:24:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:24:30 2014
QLast Update : Thu Jun 05 10:24:30 2014
Response via : Initial Calibration





TIC: 3E61401.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.500min (+0.000) 1.02ppb

response 29872

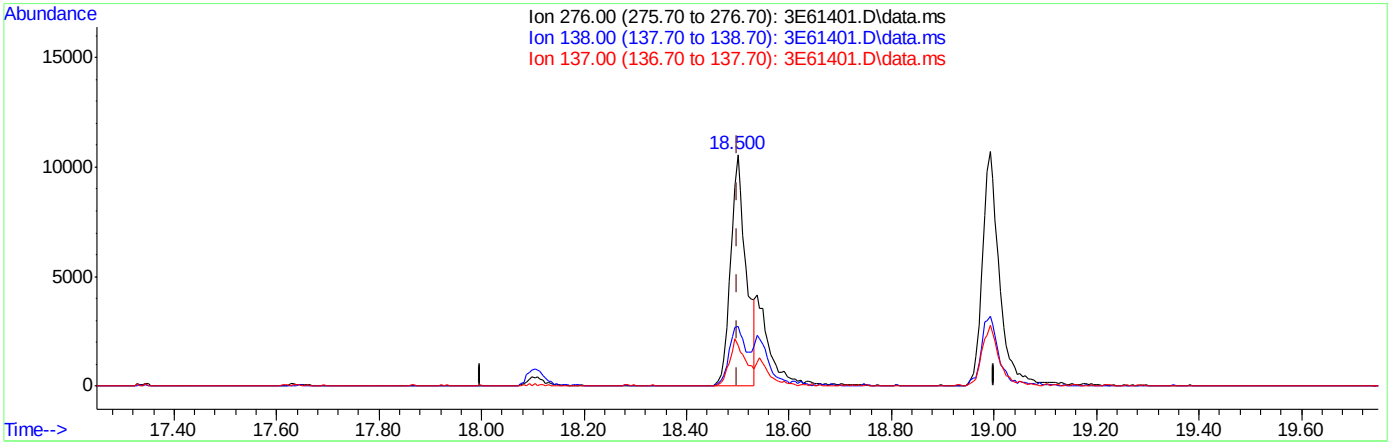
Ion	Exp%	Act%
276.00	100	100
138.00	28.80	25.31
137.00	22.10	17.52
0.00	0.00	0.00

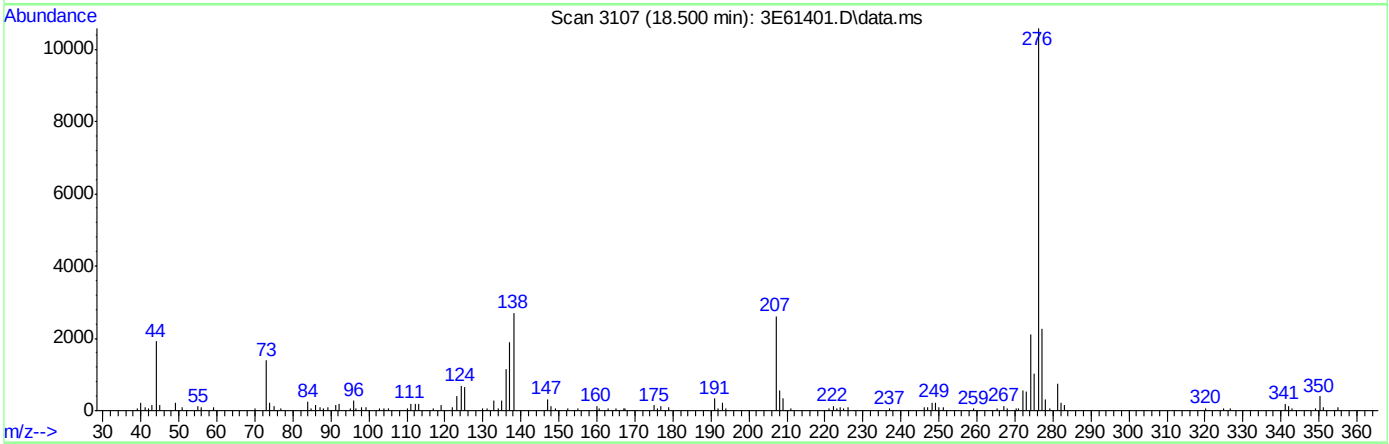
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration





TIC: 3E61401.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.500min (+0.000) 0.76ppb m

response 22280

Ion	Exp%	Act%
276.00	100	100
138.00	28.80	25.66
137.00	22.10	17.75
0.00	0.00	0.00

9.6.8.3

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61403.D
Acq On : 4 Jun 2014 9:51 pm
Operator : olgaa
Sample : ic2647-100
Misc : op74977,e3e2647,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:04:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:03:01 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

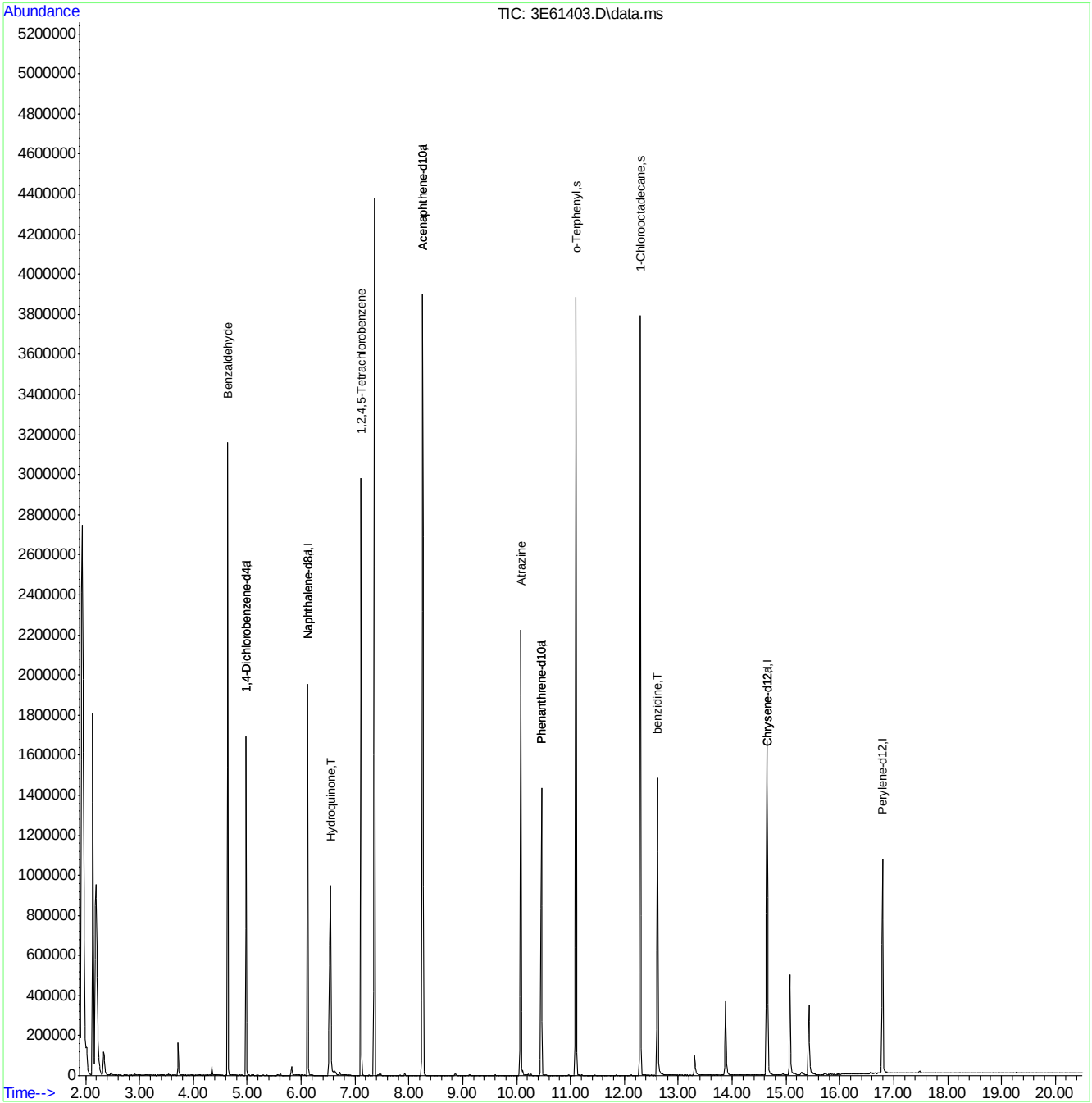
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	219122	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	842727	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	437645	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	631082	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	537386	40.00	ppb	0.00
92) Perylene-d12	16.793	264	476270	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	219122	40.00	ppb	0.00
104) Acenaphthene-d10a	8.262	164	437645	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	631082	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	537386	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	842727	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.102	230	898265	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
109) 1-Chlorooctadecane	12.295	57	567216	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	522423	100.00	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	559422	100.00	ppb	98
107) Atrazine	10.081	215	188930	100.00	ppb	98
111) benzidine	12.616	184	705974	100.00	ppb	100
113) Hydroquinone	6.545	110	703135	100.00	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61403.D
Acq On : 4 Jun 2014 9:51 pm
Operator : olgaa
Sample : ic2647-100
Misc : op74977,e3e2647,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:04:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:03:01 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61404.D
Acq On : 4 Jun 2014 10:18 pm
Operator : olgaa
Sample : ic2647-80
Misc : op74977,e3e2647,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 16:05:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

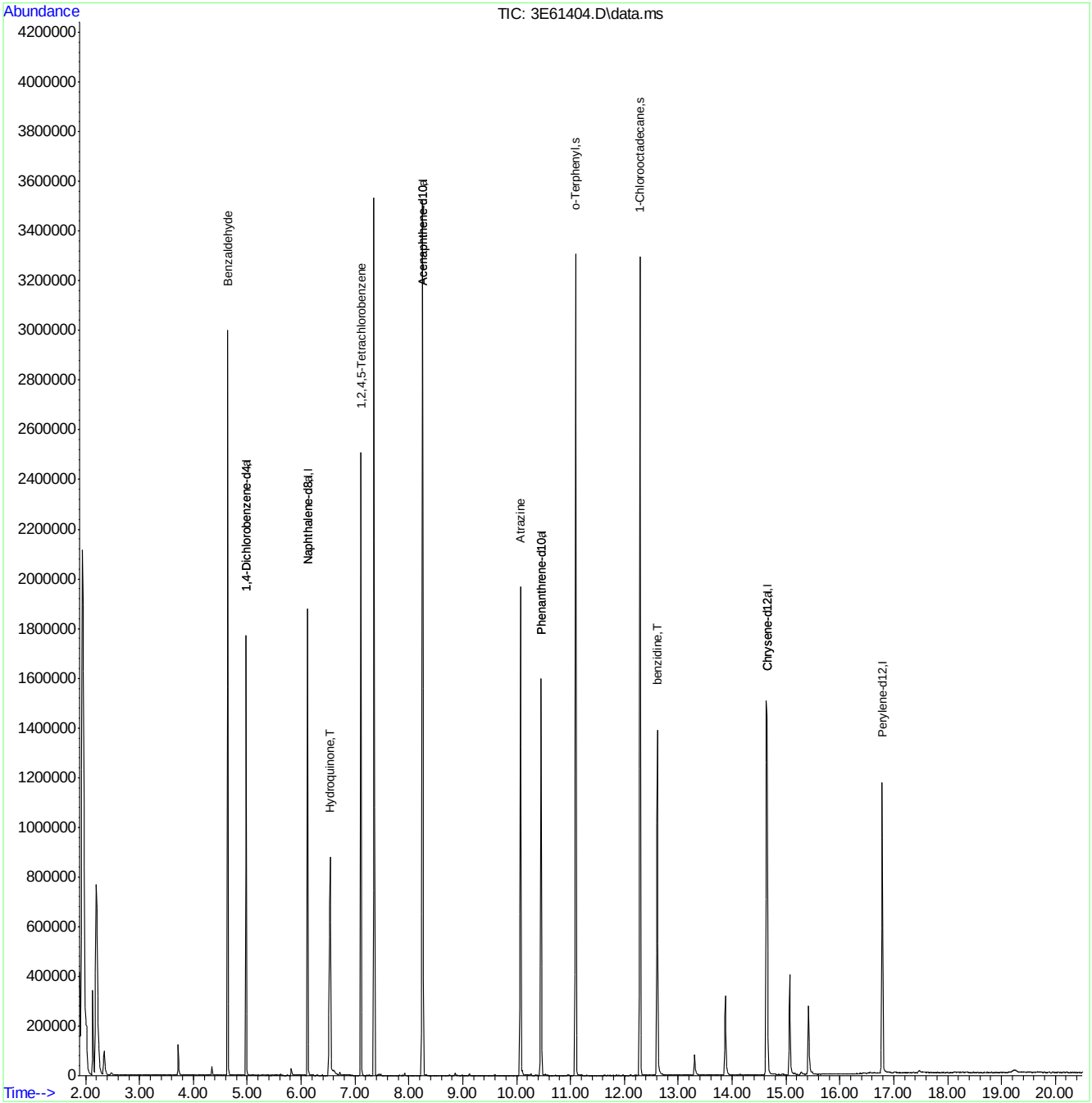
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	225341	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	872894	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	455341	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	663719	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	570476	40.00	ppb	0.00
92) Perylene-d12	16.788	264	517288	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	225341	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	455341	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	663719	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	570476	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	872894	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.097	230	749456	79.33	ppb	0.00
Spiked Amount 50.000			Recovery =	158.66%		
109) 1-Chlorooctadecane	12.290	57	492442	82.55	ppb	0.00
Spiked Amount 50.000			Recovery =	165.10%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	478062	88.98	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	452750	77.79	ppb	98
107) Atrazine	10.076	215	157908	79.47	ppb	97
111) benzidine	12.611	184	675514	90.14	ppb	99
113) Hydroquinone	6.540	110	581102	79.79	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61404.D
Acq On : 4 Jun 2014 10:18 pm
Operator : olgaa
Sample : ic2647-80
Misc : op74977,e3e2647,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 16:05:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

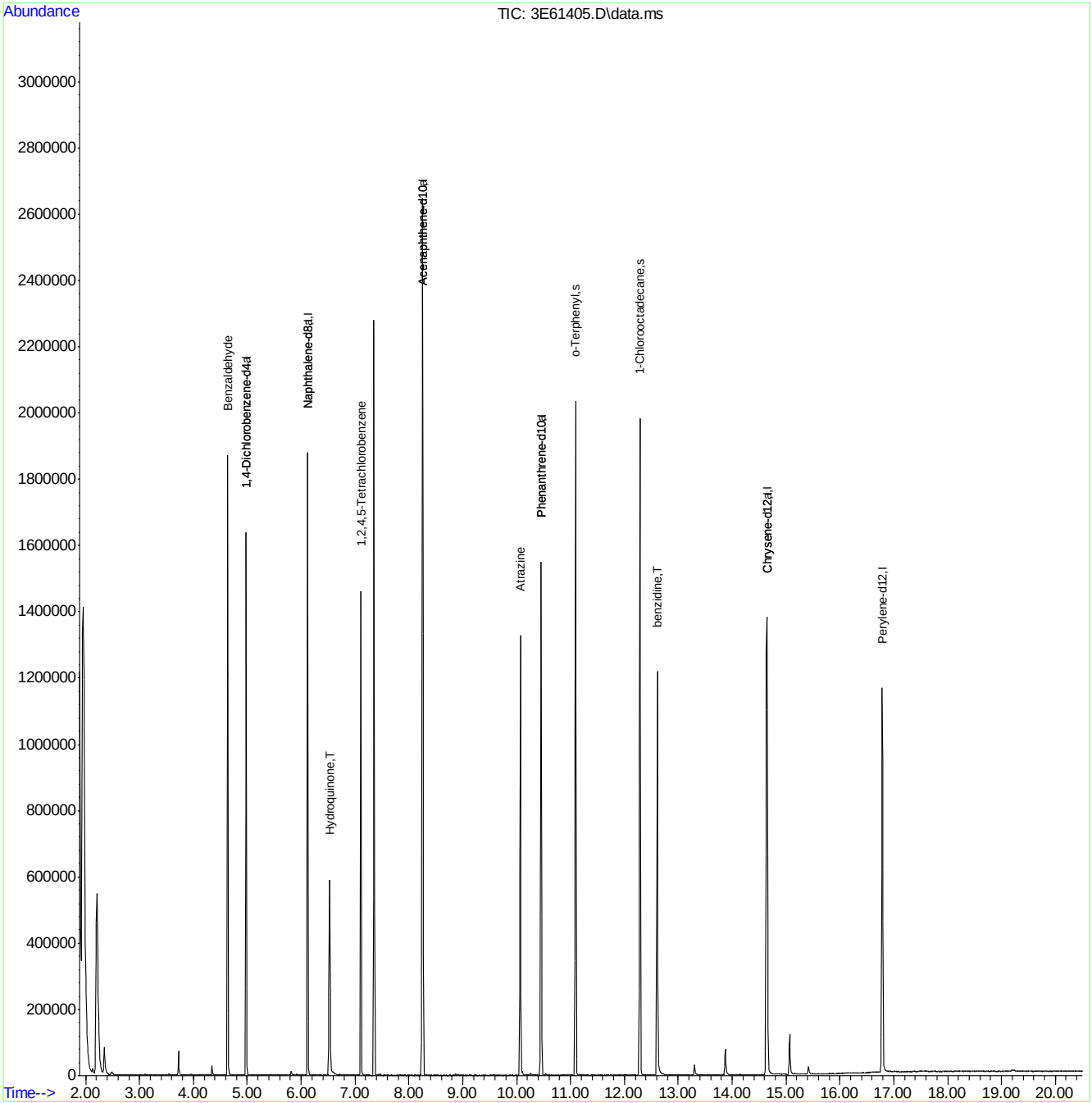
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	216759	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	835764	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	442956	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	656231	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	565845	40.00	ppb	0.00
92) Perylene-d12	16.788	264	503729	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	216759	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	442956	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	656231	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	565845	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	835764	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.097	230	451822	48.37	ppb	0.00
Spiked Amount 50.000			Recovery =	96.74%		
109) 1-Chlorooctadecane	12.290	57	304565	51.64	ppb	0.00
Spiked Amount 50.000			Recovery =	103.28%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	306401	59.29	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	266663	47.10	ppb	98
107) Atrazine	10.070	215	92698	47.18	ppb	97
111) benzidine	12.611	184	571356	76.86	ppb	99
113) Hydroquinone	6.529	110	354481	50.83	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



M3E2646.M Thu Jun 05 16:06:43 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

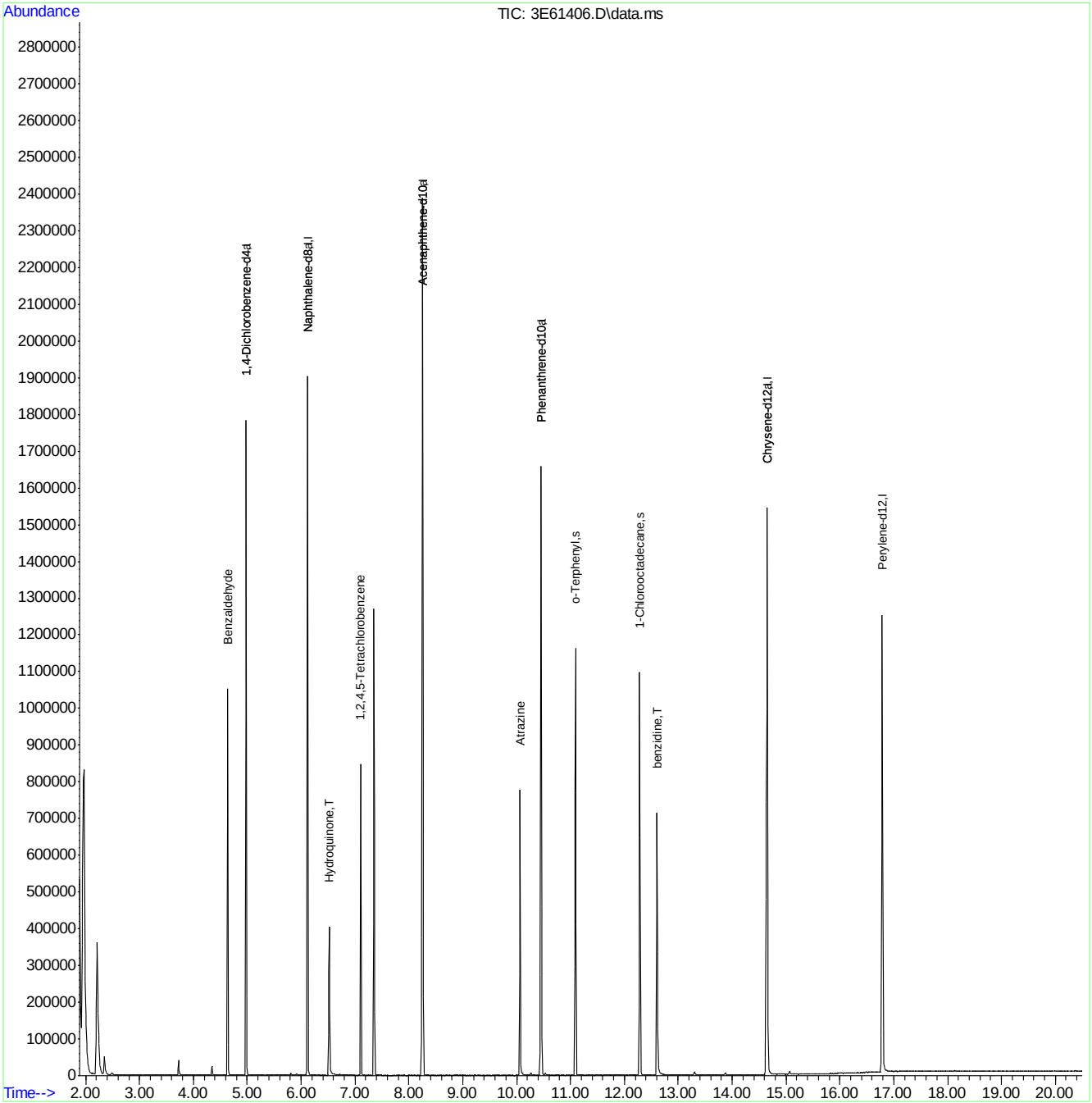
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	229663	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	889209	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	479103	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	718287	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	622505	40.00	ppb	0.00
92) Perylene-d12	16.788	264	544543	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	229663	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	479103	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	718287	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	622505	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	889209	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	247892	24.25	ppb	-0.01
Spiked Amount 50.000			Recovery =	48.50%		
109) 1-Chlorooctadecane	12.285	57	164633	25.50	ppb	-0.01
Spiked Amount 50.000			Recovery =	51.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	167915	30.67	ppb	97
105) 1,2,4,5-Tetrachloroben...	7.107	216	147156	24.03	ppb	100
107) Atrazine	10.065	215	51118	23.77	ppb	97
111) benzidine	12.606	184	343541	42.01	ppb	99
113) Hydroquinone	6.519	110	183911	24.79	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



M3E2646.M Thu Jun 05 16:07:30 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

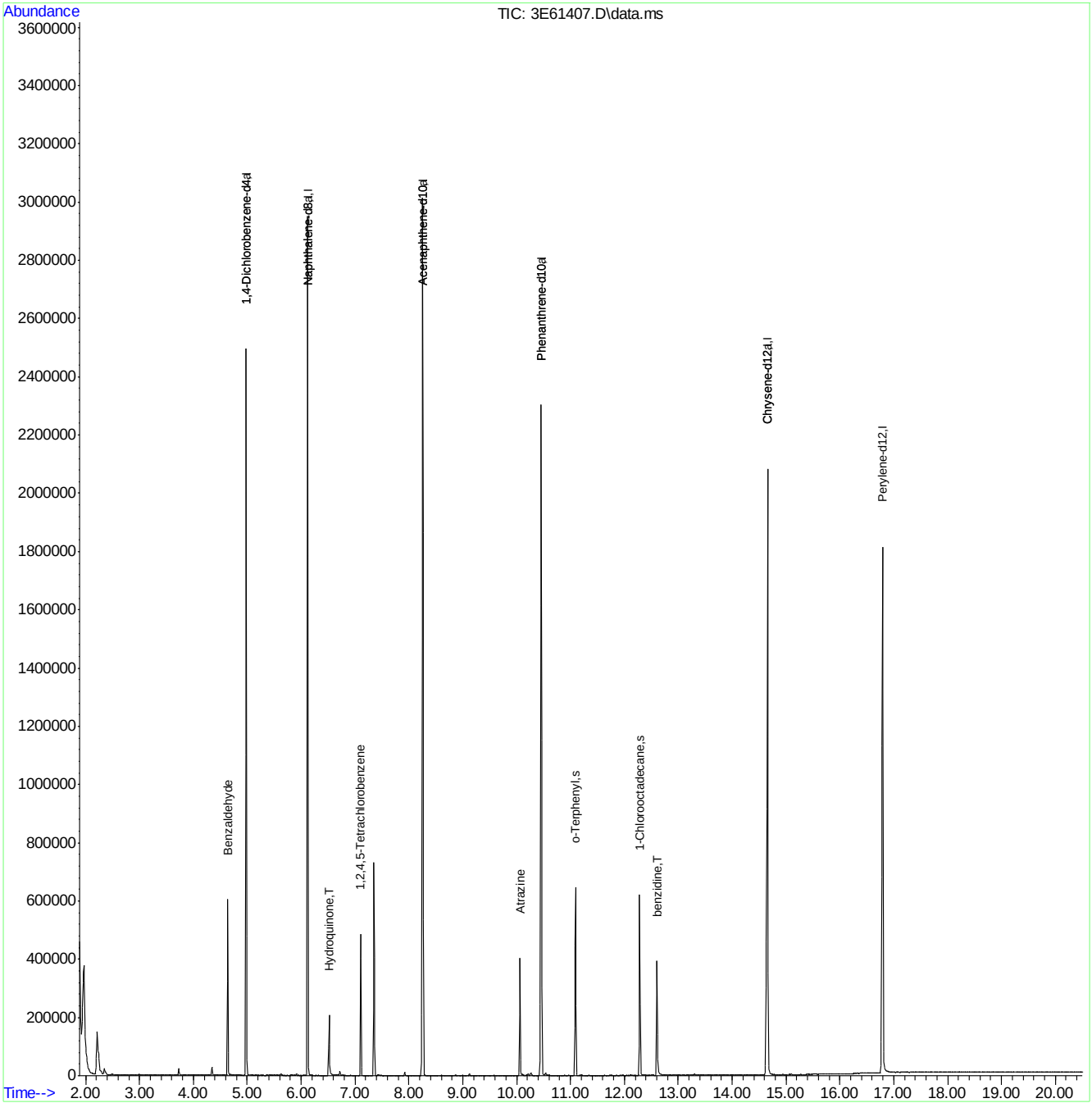
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	338669	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1287062	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	709486	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1055698	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	928590	40.00	ppb	0.00
92) Perylene-d12	16.793	264	820489	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	338669	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	709486	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1055698	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	928590	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1287062	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	141538	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
109) 1-Chlorooctadecane	12.284	57	89362	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	95948	11.88	ppb	95
105) 1,2,4,5-Tetrachloroben...	7.107	216	84702	9.34	ppb	99
107) Atrazine	10.065	215	27922	8.83	ppb	95
111) benzidine	12.605	184	181147	14.85	ppb	98
113) Hydroquinone	6.519	110	89282	8.31	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

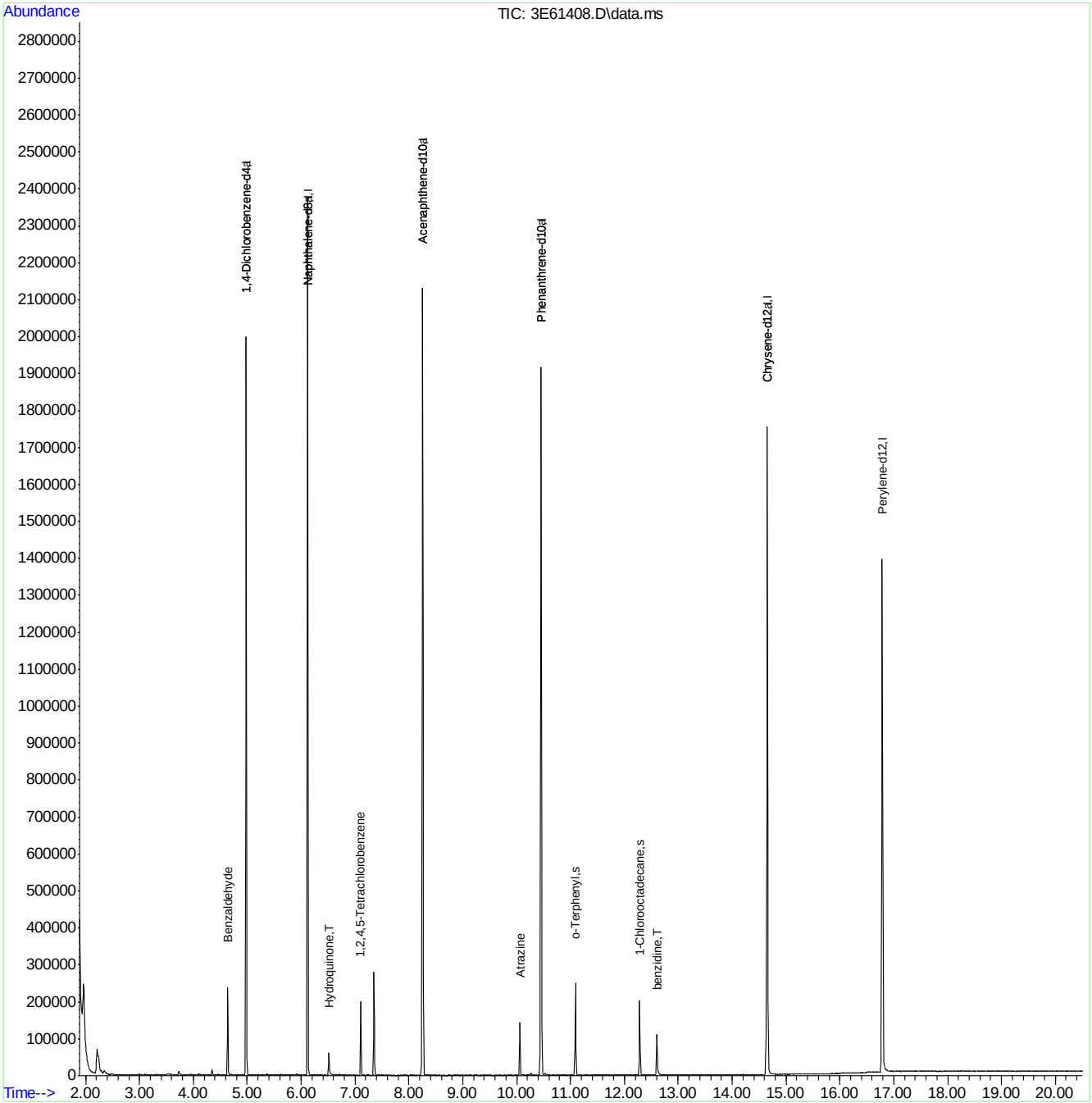
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	275702	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1033457	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	555305	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	825206	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	717978	40.00	ppb	0.00
92) Perylene-d12	16.788	264	626137	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	275702	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	555305	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	825206	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	717978	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1033457	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	53526	4.56	ppb	-0.01
Spiked Amount 50.000			Recovery =	9.12%		
109) 1-Chlorooctadecane	12.284	57	28599	3.86	ppb	-0.01
Spiked Amount 50.000			Recovery =	7.72%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	38177	5.81	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.107	216	34103	4.80	ppb	98
107) Atrazine	10.059	215	9275	3.75	ppb	93
111) benzidine	12.605	184	55142	5.85	ppb	98
113) Hydroquinone	6.513	110	26151	3.03	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

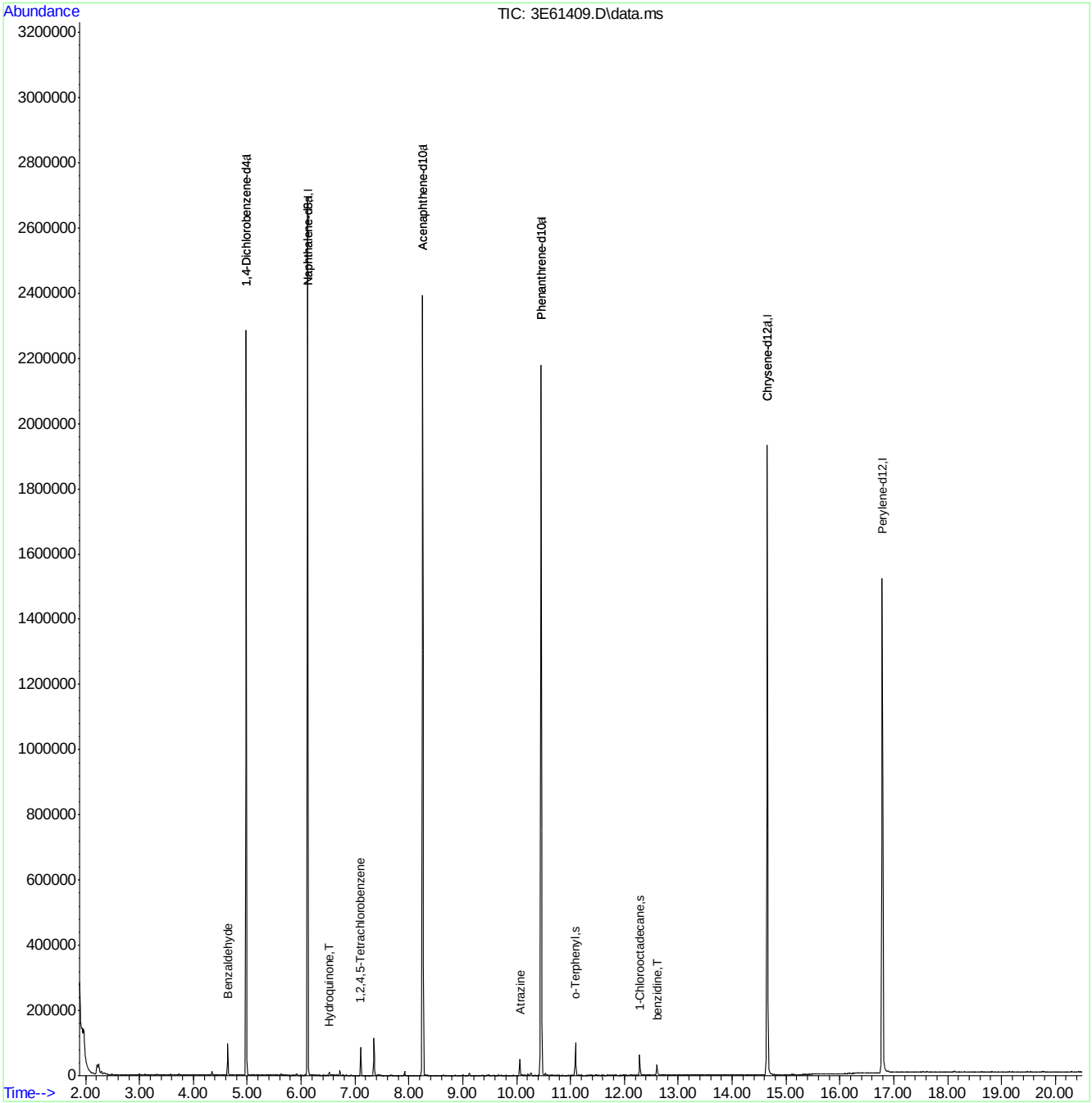
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	313078	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1175873	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	633460	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	945356	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	821855	40.00	ppb	0.00
92) Perylene-d12	16.788	264	717346	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	313078	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	633460	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	945356	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	821855	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1175873	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	21622	1.61	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.22%		
109) 1-Chlorooctadecane	12.284	57	9546	1.12	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.24%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	15835	2.12	ppb	93
105) 1,2,4,5-Tetrachloroben...	7.107	216	14845	1.83	ppb	98
107) Atrazine	10.059	215	3278	1.16	ppb	90
111) benzidine	12.605	184	17355	1.61	ppb	96
113) Hydroquinone	6.519	110	6726	0.69	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61410.D
Acq On : 5 Jun 2014 1:04 am
Operator : olgaa
Sample : ic2647-1
Misc : op74977,e3e2647,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 05 16:12:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

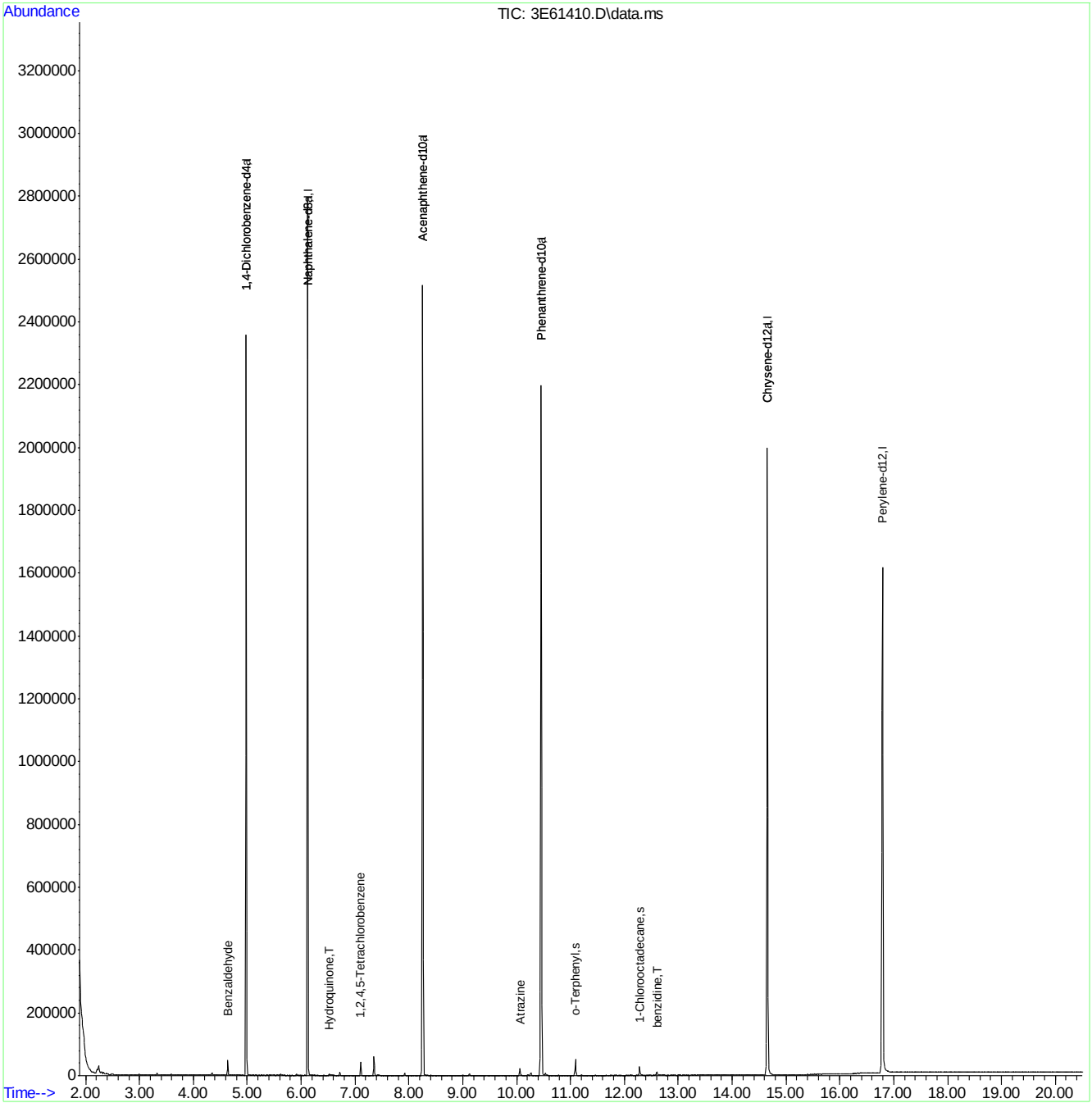
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	323735	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1219950	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	663987	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	980603	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	858495	40.00	ppb	0.00
92) Perylene-d12	16.793	264	758954	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	323735	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	663987	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	980603	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	858495	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1219950	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	11070	0.79	ppb	-0.01
Spiked Amount 50.000			Recovery =	1.58%		
109) 1-Chlorooctadecane	12.284	57	4156	0.47	ppb	-0.01
Spiked Amount 50.000			Recovery =	0.94%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	7952	1.03	ppb	87
105) 1,2,4,5-Tetrachloroben...	7.107	216	7721	0.91	ppb	98
107) Atrazine	10.059	215	1420	0.48	ppb	95
111) benzidine	12.605	184	6334	0.56	ppb	96
113) Hydroquinone	6.519	110	2496	0.25	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61410.D
Acq On : 5 Jun 2014 1:04 am
Operator : olgaa
Sample : ic2647-1
Misc : op74977,e3e2647,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 05 16:12:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61412.D
Acq On : 5 Jun 2014 1:59 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 10:46:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	275457	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	984698	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	492894	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	687955	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	555361	40.00	ppb	0.00
92) Perylene-d12	16.788	264	463860	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.984	152	275457	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	492894	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	687955	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	555361	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	984698	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.887	79	519112	42.54	ppb	99
4) N-Nitrosodimethylamine	2.855	74	307205	45.29	ppb	98
11) bis(2-Chloroethyl)ether	4.764	93	448505	47.96	ppb	96
14) 1,3-Dichlorobenzene	4.941	146	502416	45.56	ppb	99
15) 1,4-Dichlorobenzene	4.994	146	492357	44.93	ppb	100
16) Benzyl alcohol	5.085	108	298473	45.06	ppb	95
17) 1,2-Dichlorobenzene	5.123	146	456024	44.90	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.192	121	160461	46.19	ppb	87
22) n-Nitroso-di-n-propyla...	5.299	70	296528	46.15	ppb	98
23) Hexachloroethane	5.412	201	142941	47.65	ppb	90
26) Nitrobenzene	5.454	77	408313	42.67	ppb	100
28) Isophorone	5.663	82	717064	43.74	ppb	96
32) bis(2-Chloroethoxy)met...	5.861	93	479286	48.76	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	347491	46.72	ppb	99
38) Naphthalene	6.144	128	1181251	44.37	ppb	99
42) Hexachlorobutadiene	6.278	225	156649	46.20	ppb	99
44) 2-Methylnaphthalene	6.904	141	690149	44.57	ppb	99
48) Hexachlorocyclopentadiene	7.107	237	151109	44.88	ppb	99
52) 2-Chloronaphthalene	7.508	162	666582	47.79	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61412.D
Acq On : 5 Jun 2014 1:59 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 10:46:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

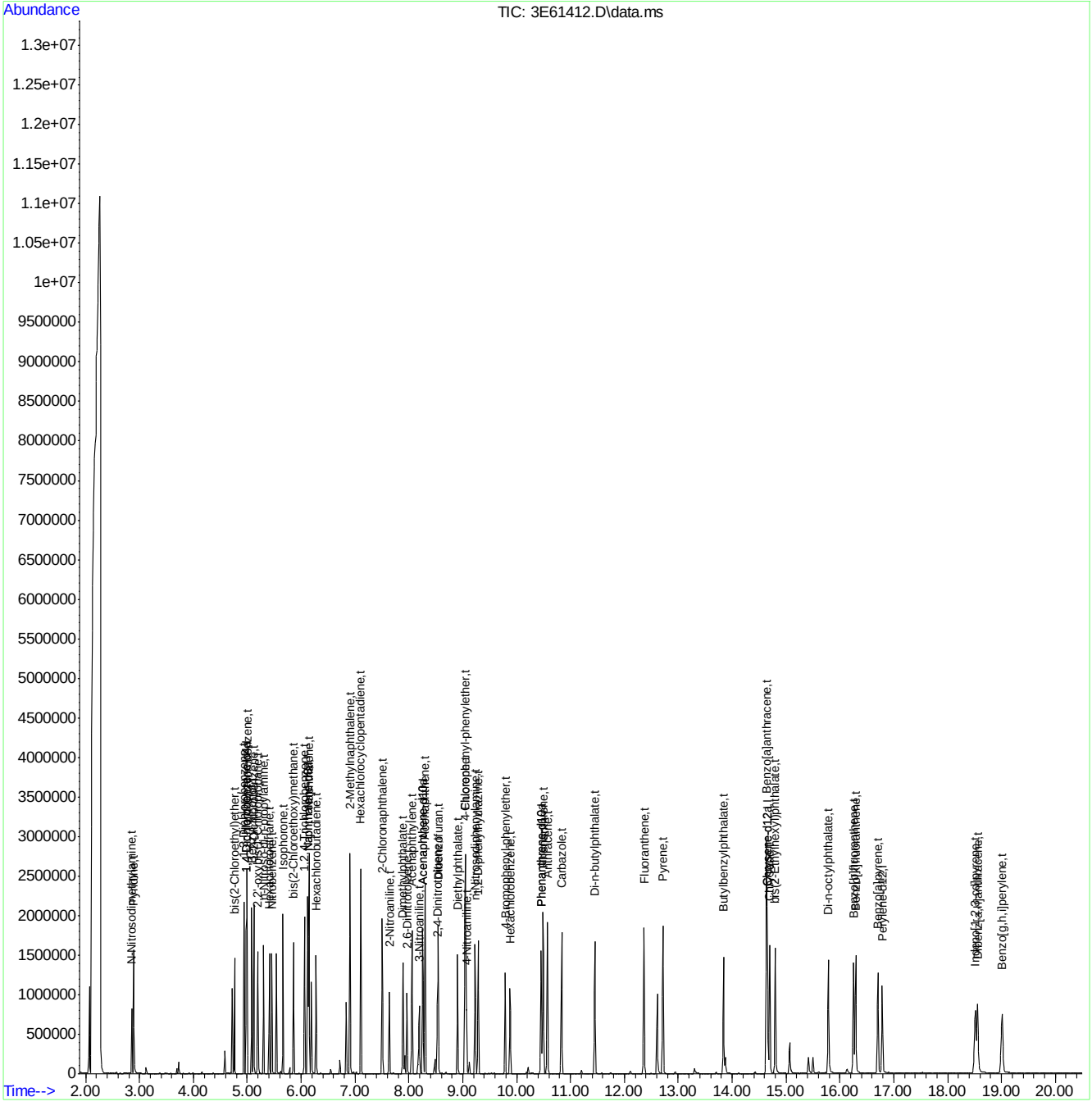
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 2-Nitroaniline	7.637	65	185974	42.26	ppb	91
55) Dimethylphthalate	7.888	163	683091	46.21	ppb	100
56) Acenaphthylene	8.059	152	909638	40.12	ppb	99
57) 2,6-Dinitrotoluene	7.963	165	139570	40.90	ppb	97
58) 3-Nitroaniline	8.193	138	159831	39.51	ppb	98
59) Acenaphthene	8.305	153	694336	47.85	ppb	98
62) Dibenzofuran	8.546	168	873176	45.12	ppb	99
63) 2,4-Dinitrotoluene	8.530	165	164442	35.22	ppb	95
65) Diethylphthalate	8.904	149	664795	45.48	ppb	100
66) Fluorene	9.043	166	745592	46.65	ppb	100
67) 4-Chlorophenyl-phenyle...	9.054	204	306892	46.61	ppb	93
68) 4-Nitroaniline	9.075	138	181202	43.74	ppb	96
71) n-Nitrosodiphenylamine	9.230	169	484217	49.65	ppb	97
72) 1,2-Diphenylhydrazine	9.289	77	726009	46.88	ppb	98
74) 4-Bromophenyl-phenylether	9.787	248	157305	49.15	ppb	98
75) Hexachlorobenzene	9.878	284	153876	45.76	ppb	90
77) Phenanthrene	10.493	178	900553	46.41	ppb	99
78) Anthracene	10.573	178	898735	47.38	ppb	100
79) Carbazole	10.835	167	874467	41.56	ppb	99
80) Di-n-butylphthalate	11.450	149	1034744	47.75	ppb	100
81) Fluoranthene	12.365	202	893082	45.32	ppb	100
84) Pyrene	12.718	202	913276	48.13	ppb	100
86) Butylbenzylphthalate	13.841	149	427328	41.87	ppb	94
88) Benzo[a]anthracene	14.643	228	778799	45.36	ppb	100
90) Chrysene	14.702	228	689932	48.88	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	544095	47.74	ppb	100
93) Di-n-octylphthalate	15.783	149	920665	41.15	ppb	100
94) Benzo[b]fluoranthene	16.253	252	708645	45.23	ppb	94
95) Benzo[k]fluoranthene	16.296	252	683711	48.51	ppb	99
96) Benzo[a]pyrene	16.708	252	635892	49.37	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.516	276	598167	45.44	ppb	97
99) Dibenz[a,h]anthracene	18.558	278	597713	47.18	ppb	97
101) Benzo[g,h,i]perylene	19.013	276	602389	47.25	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61412.D
Acq On : 5 Jun 2014 1:59 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 10:46:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61414.D
Acq On : 5 Jun 2014 2:54 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 06 09:27:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	307652	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1127870	40.00	ppb	0.00
47) Acenaphthene-d10	8.252	164	587102	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	831479	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	654349	40.00	ppb	0.00
92) Perylene-d12	16.788	264	554981	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	307652	40.00	ppb	0.00
104) Acenaphthene-d10a	8.252	164	587102	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	831479	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	654349	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1127870	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.983	112	455216	43.79	ppb	0.00
Spiked Amount 50.000			Recovery = 87.58%			
8) Phenol-d5	4.684	99	529787	41.13	ppb	0.00
Spiked Amount 50.000			Recovery = 82.26%			
25) Nitrobenzene-d5	5.438	82	424649	43.45	ppb	0.00
Spiked Amount 50.000			Recovery = 86.90%			
51) 2-Fluorobiphenyl	7.353	172	855837	47.51	ppb	0.00
Spiked Amount 50.000			Recovery = 95.02%			
73) 2,4,6-Tribromophenol	9.396	330	69215	47.56	ppb	0.00
Spiked Amount 50.000			Recovery = 95.12%			
85) Terphenyl-d14	13.017	244	696022	50.30	ppb	0.00
Spiked Amount 50.000			Recovery = 100.60%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

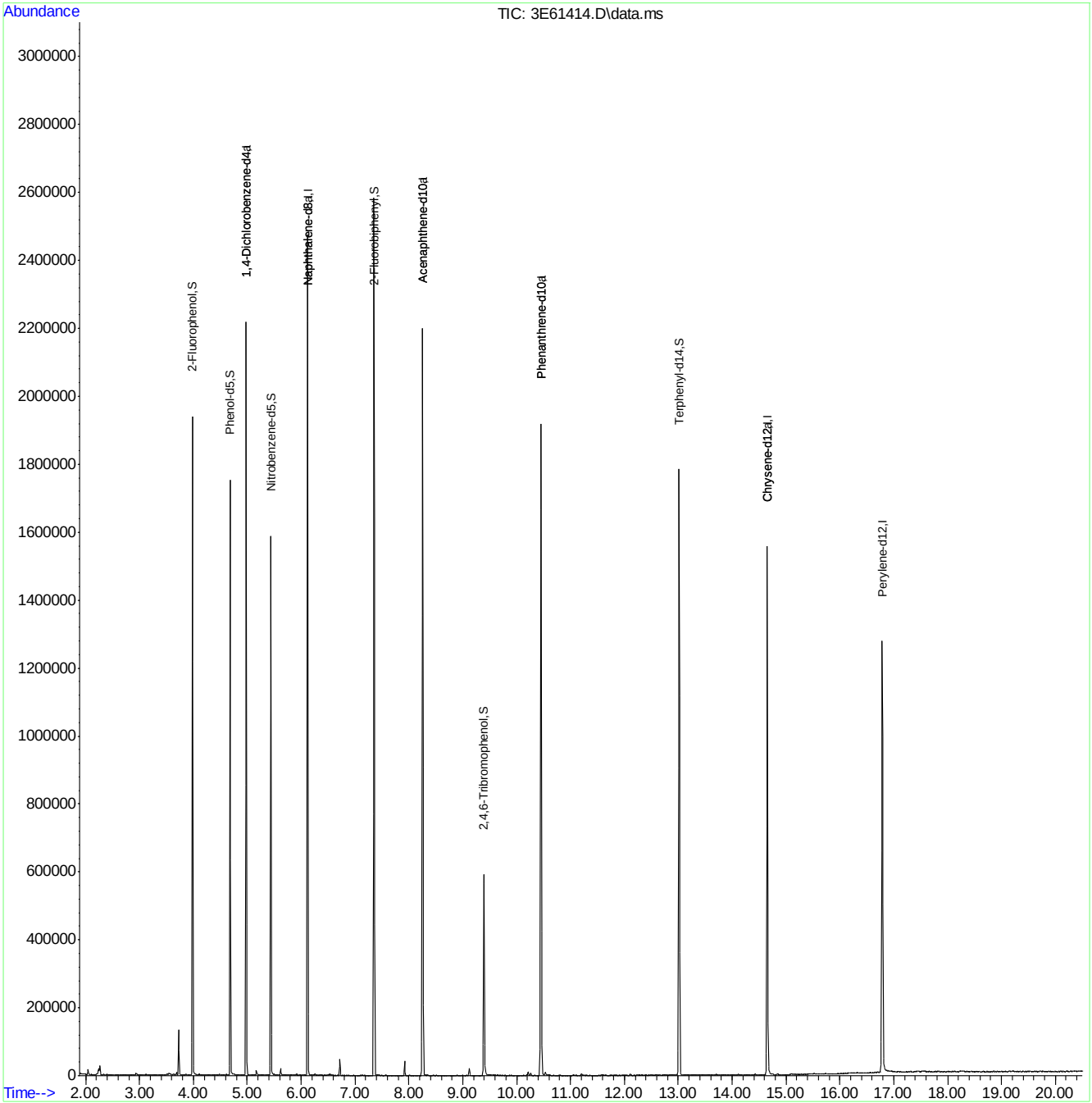
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61414.D
Acq On : 5 Jun 2014 2:54 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 06 09:27:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61415.D
Acq On : 5 Jun 2014 3:22 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 06 09:29:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

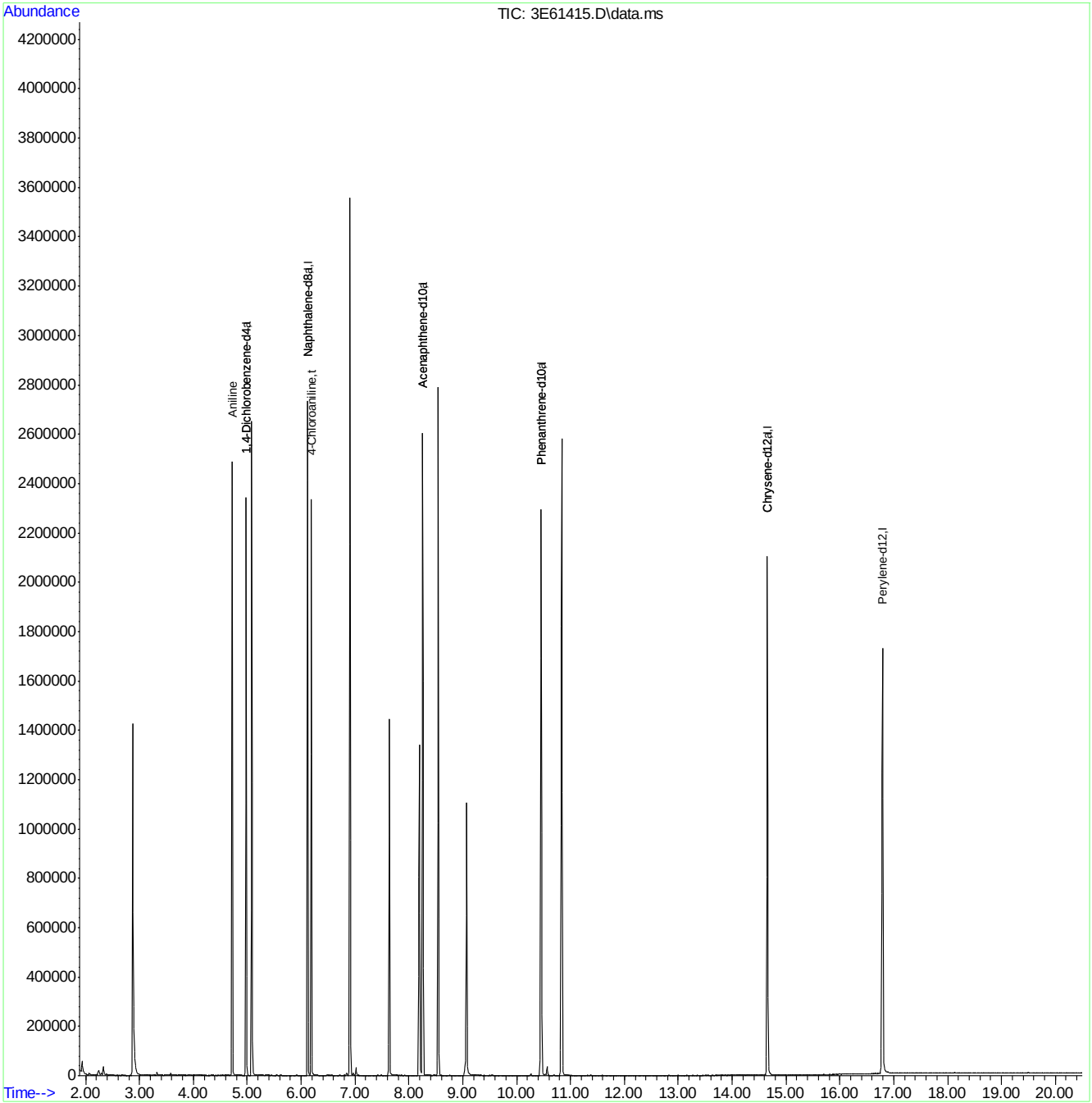
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	321350	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1236492	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	692141	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1049159	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	936200	40.00	ppb	0.00
92) Perylene-d12	16.794	264	816615	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	321350	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	692141	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1049159	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	936200	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1236492	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.722	93	897619	54.38	ppb	97
39) 4-Chloroaniline	6.187	127	712992	51.06	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61415.D
Acq On : 5 Jun 2014 3:22 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 06 09:29:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 09:30:37 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	352694	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1306604	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	740023	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1125858	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	1003193	40.00	ppb	0.00
92) Perylene-d12	16.794	264	900656	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	352694	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	740023	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1125858	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	1003193	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1306604	40.00	ppb	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

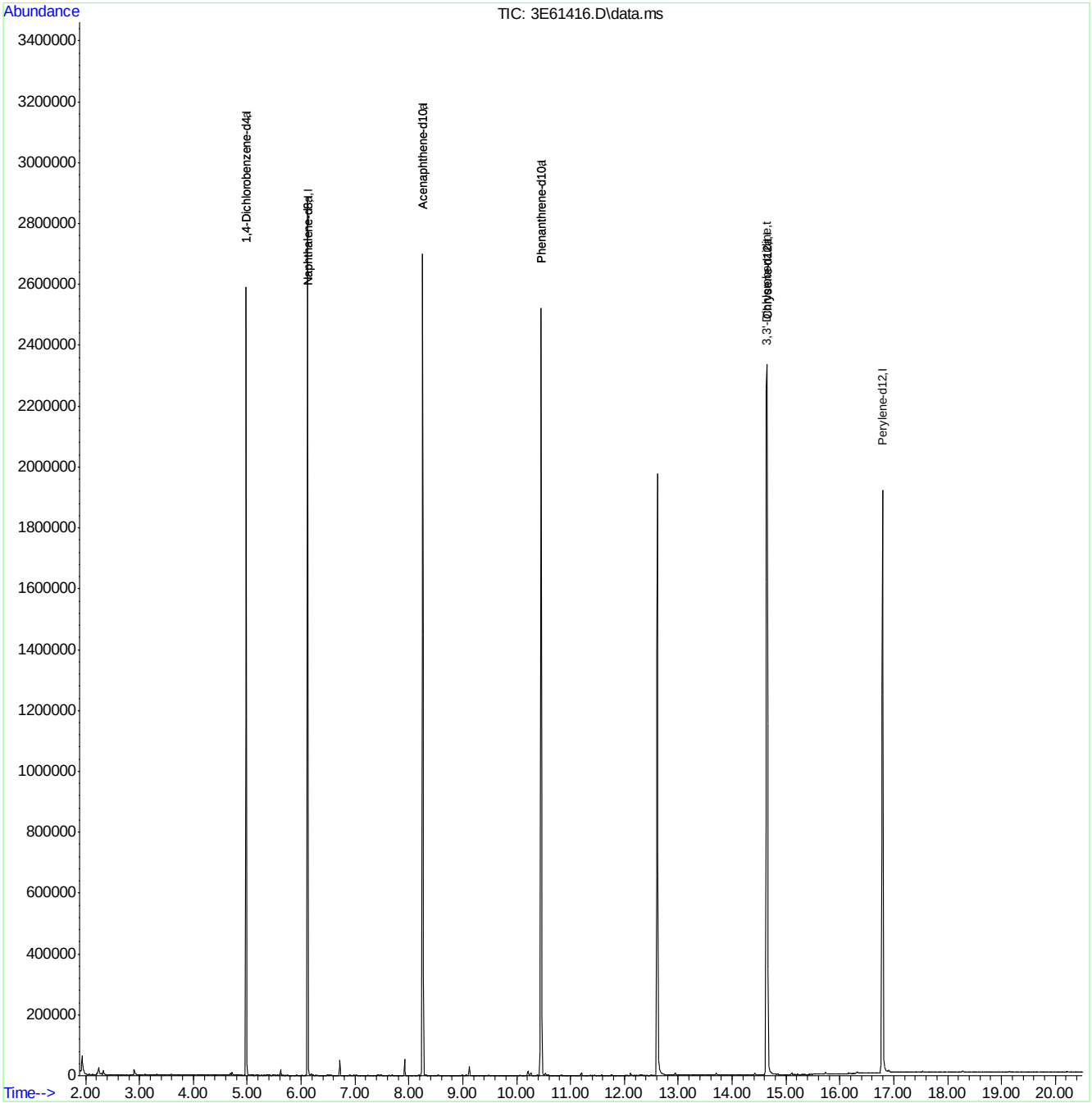
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.638	252	484606	44.51	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 09:30:37 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416a.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 10:00:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	352694	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1306604	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	740023	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1125858	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	1003193	40.00	ppb	0.00
92) Perylene-d12	16.794	264	900656	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	352694	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	740023	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1125858	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	1003193	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1306604	40.00	ppb	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

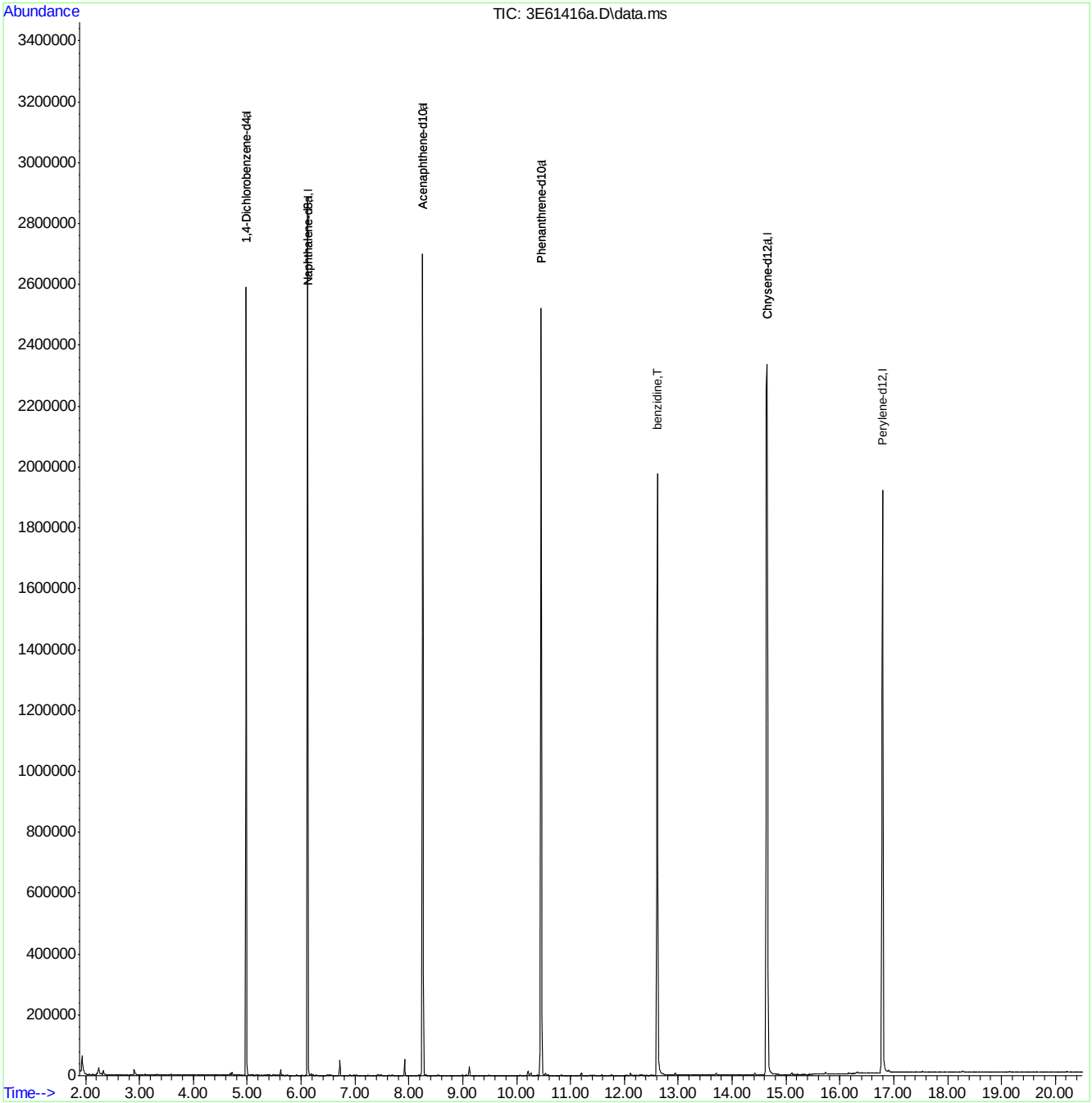
Target Compounds						Qvalue
111) benzidine	12.611	184	958760	51.98	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416a.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 10:00:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



M3E2646.M Fri Jun 06 10:00:42 2014 MS3E Page: 2

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JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61417.D
Acq On : 5 Jun 2014 4:16 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 06 10:01:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

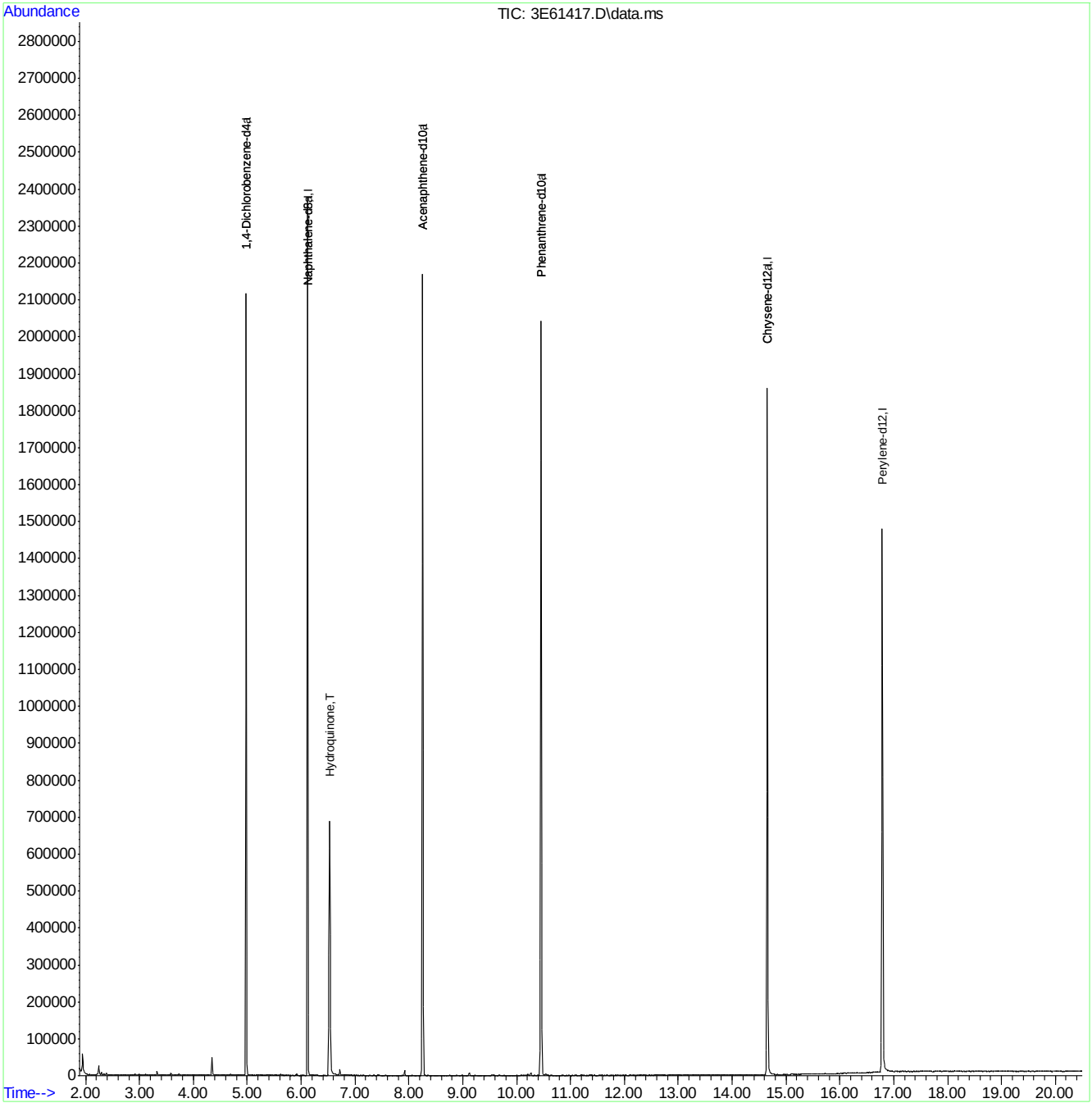
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	285655	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1070485	40.00	ppb	0.00
47) Acenaphthene-d10	8.252	164	587758	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	898387	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	784560	40.00	ppb	0.00
92) Perylene-d12	16.794	264	687675	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	285655	40.00	ppb	0.00
104) Acenaphthene-d10a	8.252	164	587758	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	898387	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	784560	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1070485	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Hydroquinone	6.529	110	448704	55.37	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61417.D
Acq On : 5 Jun 2014 4:16 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 06 10:01:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61421.D
Acq On : 5 Jun 2014 12:37 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 10:08:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.968	152	281201	40.00	ppb		-0.01
24) Naphthalene-d8	6.112	136	1015748	40.00	ppb		-0.01
47) Acenaphthene-d10	8.246	164	540899	40.00	ppb		-0.01
69) Phenanthrene-d10	10.445	188	765001	40.00	ppb		-0.01
83) Chrysene-d12	14.638	240	631882	40.00	ppb		-0.02
92) Perylene-d12	16.772	264	542314	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	4.968	152	281201	40.00	ppb		-0.01
104) Acenaphthene-d10a	8.246	164	540899	40.00	ppb		-0.01
106) Phenanthrene-d10a	10.445	188	765001	40.00	ppb		-0.01
110) Chrysene-d12a	14.638	240	631882	40.00	ppb		-0.02
112) Naphthalene-d8a	6.112	136	1015748	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.684	94	625841	46.13	ppb		97
12) 2-Chlorophenol	4.807	128	517771	49.16	ppb		96
19) 2-Methylphenol	5.160	108	464453	51.69	ppb		97
21) 3&4-Methylphenol	5.283	108	478014	50.19	ppb		99
29) 2-Nitrophenol	5.733	139	264893	55.70	ppb		94
30) 2,4-Dimethylphenol	5.759	107	445827	59.65	ppb		98
31) Benzoic acid	5.866	105	277344	41.65	ppb		98
33) 2,4-Dichlorophenol	5.963	162	374503	53.54	ppb		98
34) 2,6-Dichlorophenol	6.192	162	363679	53.58	ppb		98
43) 4-Chloro-3-methylphenol	6.695	107	371638	50.10	ppb		96
49) 2,4,6-Trichlorophenol	7.235	196	240288	56.42	ppb		99
50) 2,4,5-Trichlorophenol	7.278	196	246113	55.18	ppb		99
60) 2,4-Dinitrophenol	8.321	184	62396	41.68	ppb	#	95
61) 4-Nitrophenol	8.428	109	98126	43.13	ppb		95
64) 2,3,4,6-Tetrachlorophenol	8.717	232	176347	55.85	ppb		94
70) 4,6-Dinitro-2-methylph...	9.108	198	106912	50.95	ppb		88
76) Pentachlorophenol	10.167	266	132497	58.20	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61421.D
Acq On : 5 Jun 2014 12:37 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 10:08:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

9.6.23

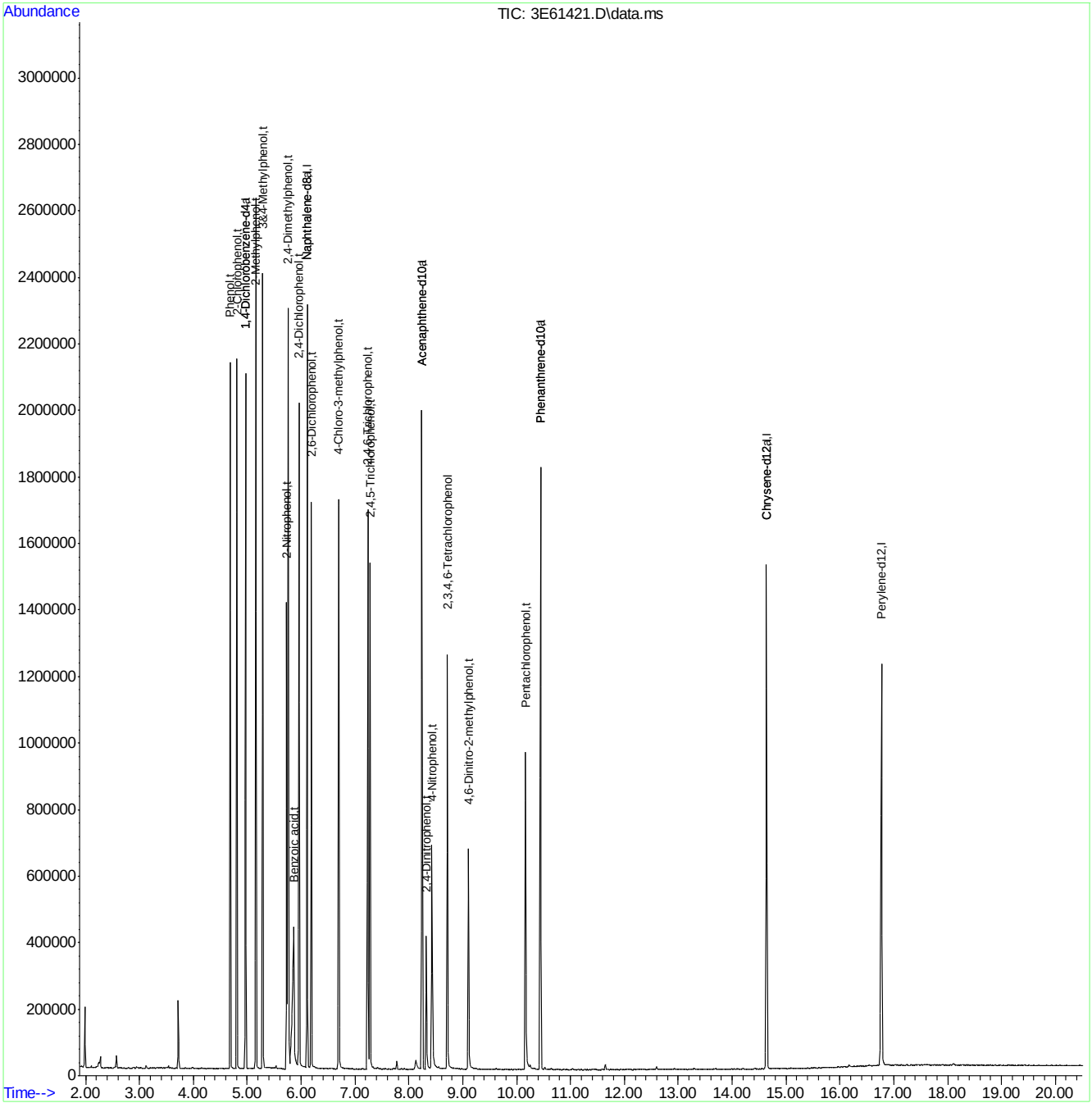
9

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61421.D
Acq On : 5 Jun 2014 12:37 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 10:08:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 13:30:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

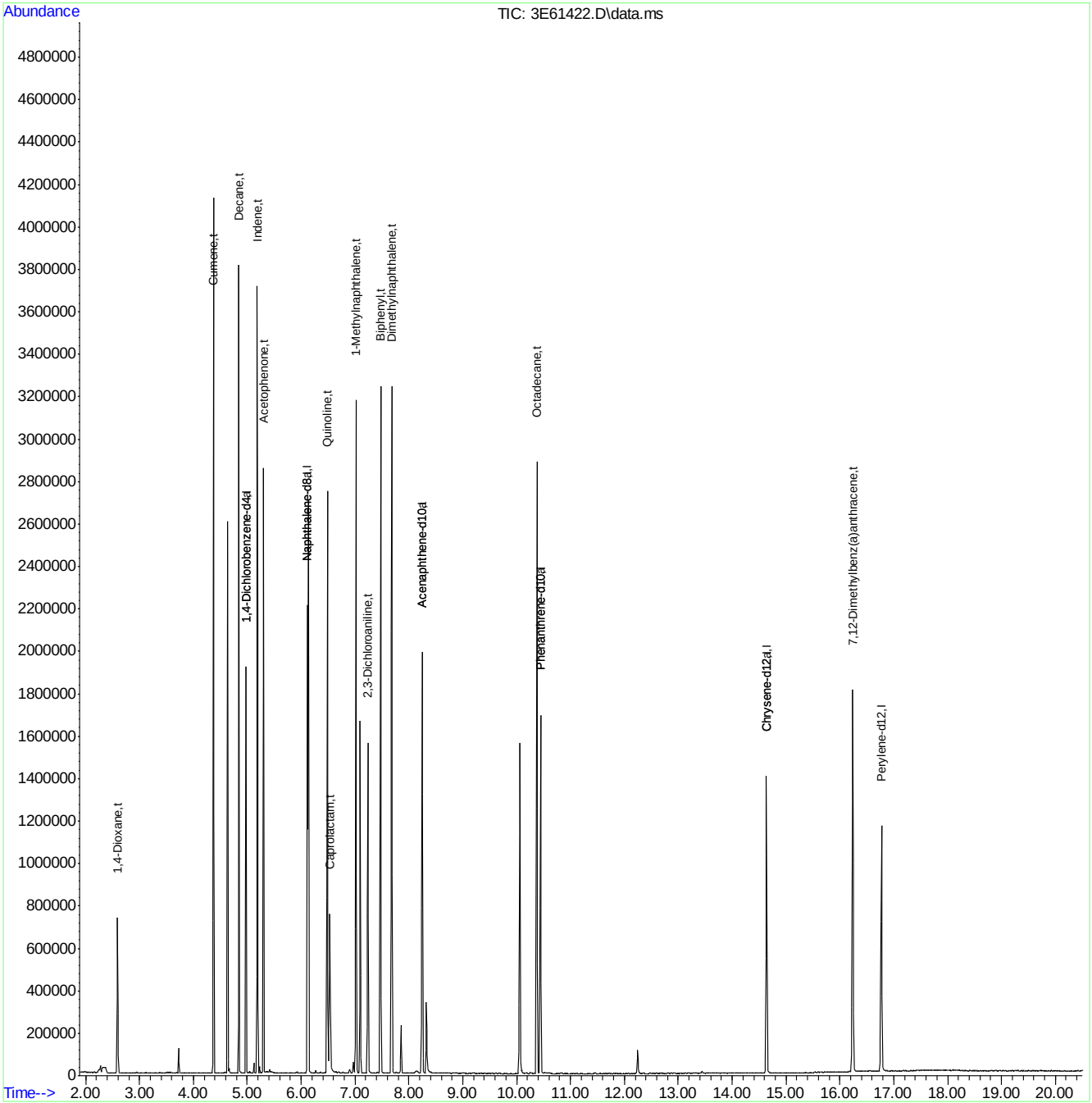
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	277333	40.00	ppb	0.00
24) Naphthalene-d8	6.118	136	1198958	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	509389	40.00	ppb	-0.01
69) Phenanthrene-d10	10.445	188	724767	40.00	ppb	-0.01
83) Chrysene-d12	14.638	240	601956	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	508328	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.978	152	277333	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	509389	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.445	188	724767	40.00	ppb	-0.01
110) Chrysene-d12a	14.638	240	601956	40.00	ppb	-0.02
112) Naphthalene-d8a	6.118	136	1198958	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.587	88	268976	53.80	ppb	96
6) Indene	5.187	116	981103	53.22	ppb	99
7) Cumene	4.374	105	1278485	49.23	ppb	98
13) Decane	4.845	43	539263	47.92	ppb	95
18) Acetophenone	5.299	105	711266	48.80	ppb	97
27) Quinoline	6.487	129	1017897	42.66	ppb	98
40) 2,3-Dichloroaniline	7.241	161	387168	34.37	ppb	96
41) Caprolactam	6.535	55	205088	37.82	ppb	97
45) 1-Methylnaphthalene	7.016	141	842248	40.87	ppb	97
46) Dimethylnaphthalene	7.679	156	854335	41.56	ppb	98
53) Biphenyl	7.476	154	1131295	51.57	ppb	99
82) Octadecane	10.375	57	610411	52.86	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.243	256	495238	52.35	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 13:30:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

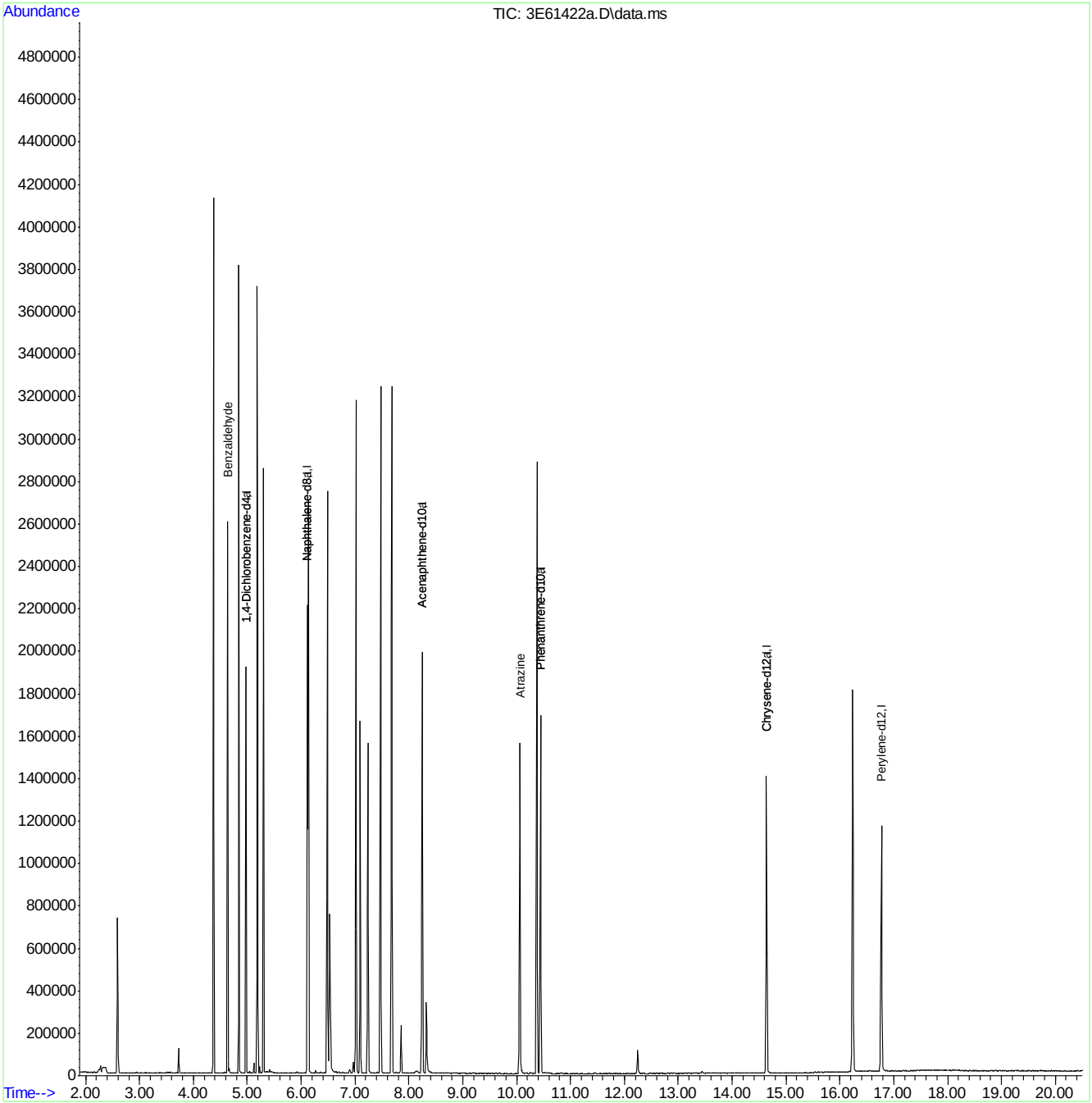
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	277333	40.00	ppb	0.00
24) Naphthalene-d8	6.118	136	1198958	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	509389	40.00	ppb	-0.01
69) Phenanthrene-d10	10.445	188	724767	40.00	ppb	-0.01
83) Chrysene-d12	14.638	240	601956	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	508328	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.978	152	277333	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	509389	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.445	188	724767	40.00	ppb	-0.01
110) Chrysene-d12a	14.638	240	601956	40.00	ppb	-0.02
112) Naphthalene-d8a	6.118	136	1198958	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	457333	61.72	ppb	96
107) Atrazine	10.065	215	124551	65.86	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/23/14 17:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62285.D
Acq On : 19 Jun 2014 11:47 am
Operator : olgaa
Sample : cc2646-25
Misc : op75640,e3e2669,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 15:09:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.802	152	266622	40.00	ppb		-0.04
24) Naphthalene-d8	5.914	136	1011550	40.00	ppb		-0.04
47) Acenaphthene-d10	8.006	164	563105	40.00	ppb		-0.05
69) Phenanthrene-d10	10.193	188	884323	40.00	ppb		-0.05
83) Chrysene-d12	14.392	240	755890	40.00	ppb		-0.05
92) Perylene-d12	16.515	264	512228	40.00	ppb		-0.05
102) 1,4-Dichlorobenzene-d4a	4.802	152	266622	40.00	ppb		-0.04
104) Acenaphthene-d10a	8.006	164	563105	40.00	ppb		-0.05
106) Phenanthrene-d10a	10.193	188	884323	40.00	ppb		-0.05
108) Chrysene-d12a	14.392	240	755890	40.00	ppb		-0.05
110) Naphthalene-d8a	5.914	136	1011550	40.00	ppb		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	3.828	112	200756	22.28	ppb		-0.04
Spiked Amount 50.000			Recovery = 44.56%				
8) Phenol-d5	4.534	99	253440	22.70	ppb		-0.03
Spiked Amount 50.000			Recovery = 45.40%				
25) Nitrobenzene-d5	5.251	82	233180	26.60	ppb		-0.04
Spiked Amount 50.000			Recovery = 53.20%				
51) 2-Fluorobiphenyl	7.118	172	422334	24.44	ppb		-0.04
Spiked Amount 50.000			Recovery = 48.88%				
73) 2,4,6-Tribromophenol	9.145	330	42762	27.63	ppb		-0.05
Spiked Amount 50.000			Recovery = 55.26%				
85) Terphenyl-d14	12.750	244	382057	23.90	ppb		-0.05
Spiked Amount 50.000			Recovery = 47.80%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.384	88	86003	17.89	ppb		85
3) Pyridine	2.716	79	225182	19.07	ppb		73
4) N-Nitrosodimethylamine	2.673	74	122843	18.71	ppb	#	39
6) Indene	5.005	116	463324	26.14	ppb		97
7) Cumene	4.203	105	650842	26.07	ppb		95
9) Phenol	4.545	94	294639	22.90	ppb		76
10) Aniline	4.556	93	267273	19.51	ppb		85
11) bis(2-Chloroethyl)ether	4.593	93	202017	22.32	ppb		93
12) 2-Chlorophenol	4.647	128	243785	24.41	ppb		96
13) Decane	4.673	43	339517	31.38	ppb		86
14) 1,3-Dichlorobenzene	4.759	146	257057	24.09	ppb		100
15) 1,4-Dichlorobenzene	4.818	146	260535	24.56	ppb		97
16) Benzyl alcohol	4.914	108	150341	23.45	ppb		90
17) 1,2-Dichlorobenzene	4.941	146	242544	24.67	ppb		99
18) Acetophenone	5.123	105	366918	26.19	ppb		85
19) 2-Methylphenol	5.005	108	207663	24.37	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.010	121	81803	24.33	ppb	#	51
21) 3&4-Methylphenol	5.128	108	217730	24.11	ppb		95
22) n-Nitroso-di-n-propyla...	5.117	70	167396	26.91	ppb		85
23) Hexachloroethane	5.214	201	80654	27.78	ppb		97
26) Nitrobenzene	5.267	77	247517	25.18	ppb		93
27) Quinoline	6.278	129	493465	24.51	ppb		99
28) Isophorone	5.470	82	400314	23.77	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62285.D
Acq On : 19 Jun 2014 11:47 am
Operator : olgaa
Sample : cc2646-25
Misc : op75640,e3e2669,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 15:09:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.550	139	131785	27.82	ppb		85
30) 2,4-Dimethylphenol	5.588	107	197074	26.48	ppb		97
31) Benzoic acid	5.679	105	161236	25.76	ppb		97
32) bis(2-Chloroethoxy)met...	5.663	93	229524	22.73	ppb		98
33) 2,4-Dichlorophenol	5.780	162	173497	24.91	ppb		100
34) 2,6-Dichlorophenol	5.994	162	172421	25.51	ppb		97
35) 1,3,5-Trichlorobenzene	5.561	180	228558	25.09	ppb		98
36) 1,2,4-Trichlorobenzene	5.855	180	185464	24.27	ppb		98
37) 1,2,3-Trichlorobenzene	6.080	180	204729	25.56	ppb		98
38) Naphthalene	5.930	128	651561	23.82	ppb		99
39) 4-Chloroaniline	5.984	127	259797	22.74	ppb		97
40) 2,3-Dichloroaniline	7.016	161	250167	26.33	ppb		99
41) Caprolactam	6.353	55	125366	27.40	ppb		96
42) Hexachlorobutadiene	6.059	225	99779	28.65	ppb		97
43) 4-Chloro-3-methylphenol	6.513	107	190560	25.80	ppb		98
44) 2-Methylnaphthalene	6.674	141	389663	24.49	ppb		97
45) 1-Methylnaphthalene	6.791	141	445929	25.65	ppb		98
46) Dimethylnaphthalene	7.449	156	448820	25.88	ppb		99
48) Hexachlorocyclopentadiene	6.866	237	136525	35.49	ppb		99
49) 2,4,6-Trichlorophenol	7.021	196	118413	26.71	ppb		97
50) 2,4,5-Trichlorophenol	7.075	196	119806	25.80	ppb		97
52) 2-Chloronaphthalene	7.267	162	377090	23.67	ppb		99
53) Biphenyl	7.246	154	604825	24.94	ppb		98
54) 2-Nitroaniline	7.406	65	133078	26.47	ppb		99
55) Dimethylphthalate	7.647	163	425491	25.19	ppb		99
56) Acenaphthylene	7.808	152	634204	24.48	ppb		98
57) 2,6-Dinitrotoluene	7.727	165	102503	26.47	ppb		98
58) 3-Nitroaniline	7.957	138	119689	25.90	ppb		95
59) Acenaphthene	8.048	153	396425	23.91	ppb		99
60) 2,4-Dinitrophenol	8.118	184	104446	59.93	ppb	#	86
61) 4-Nitrophenol	8.241	109	60737	25.64	ppb	#	82
62) Dibenzofuran	8.294	168	539265	24.39	ppb		98
63) 2,4-Dinitrotoluene	8.300	165	141479	26.67	ppb		95
64) 2,3,4,6-Tetrachlorophenol	8.487	232	92759	28.22	ppb		94
65) Diethylphthalate	8.653	149	437645	26.21	ppb		99
66) Fluorene	8.786	166	440695	24.14	ppb		97
67) 4-Chlorophenyl-phenyle...	8.797	204	189282	25.16	ppb		91
68) 4-Nitroaniline	8.835	138	111024	23.46	ppb		94
70) 4,6-Dinitro-2-methylph...	8.899	198	71972	29.67	ppb		88
71) n-Nitrosodiphenylamine	8.979	169	297932	23.77	ppb		97
72) 1,2-Diphenylhydrazine	9.032	77	457061	22.96	ppb		97
74) 4-Bromophenyl-phenylether	9.525	248	99982	24.30	ppb		94
75) Hexachlorobenzene	9.621	284	102010	23.60	ppb		87
76) Pentachlorophenol	9.931	266	130957	49.76	ppb		100
77) Phenanthrene	10.231	178	576349	23.10	ppb		98
78) Anthracene	10.305	178	575972	23.62	ppb		99
79) Carbazole	10.578	167	652585	24.13	ppb		98
80) Di-n-butylphthalate	11.188	149	716263	25.72	ppb		98
81) Fluoranthene	12.097	202	608191	24.01	ppb		95
82) Octadecane	10.118	57	370251	26.28	ppb		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62285.D
Acq On : 19 Jun 2014 11:47 am
Operator : olgaa
Sample : cc2646-25
Misc : op75640,e3e2669,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 15:09:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
84) Pyrene	12.450	202	632977	24.51 ppb	98
86) Butylbenzylphthalate	13.573	149	319156	24.04 ppb	99
87) Butyl stearate	13.729	56	223364	26.62 ppb	98
88) Benzo[a]anthracene	14.376	228	529534	22.66 ppb	99
89) 3,3'-Dichlorobenzidine	14.370	252	197752	24.11 ppb	98
90) Chrysene	14.435	228	453545	23.61 ppb	98
91) bis(2-Ethylhexyl)phtha...	14.531	149	432605	27.89 ppb	97
93) Di-n-octylphthalate	15.515	149	726327	30.28 ppb	95
94) Benzo[b]fluoranthene	15.991	252	460652	26.62 ppb	95
95) Benzo[k]fluoranthene	16.034	252	410306	26.36 ppb	95
96) Benzo[a]pyrene	16.435	252	359015	25.24 ppb	98
97) Indeno[1,2,3-cd]pyrene	18.136	276	310886m	21.38 ppb	
98) Dibenz(a,h)acridine	17.761	279	320285	22.85 ppb	97
99) Dibenz[a,h]anthracene	18.168	278	299885	21.44 ppb	96
100) 7,12-Dimethylbenz(a)an...	15.986	256	205172	25.36 ppb	92
101) Benzo[g,h,i]perylene	18.601	276	297535	21.13 ppb	92

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

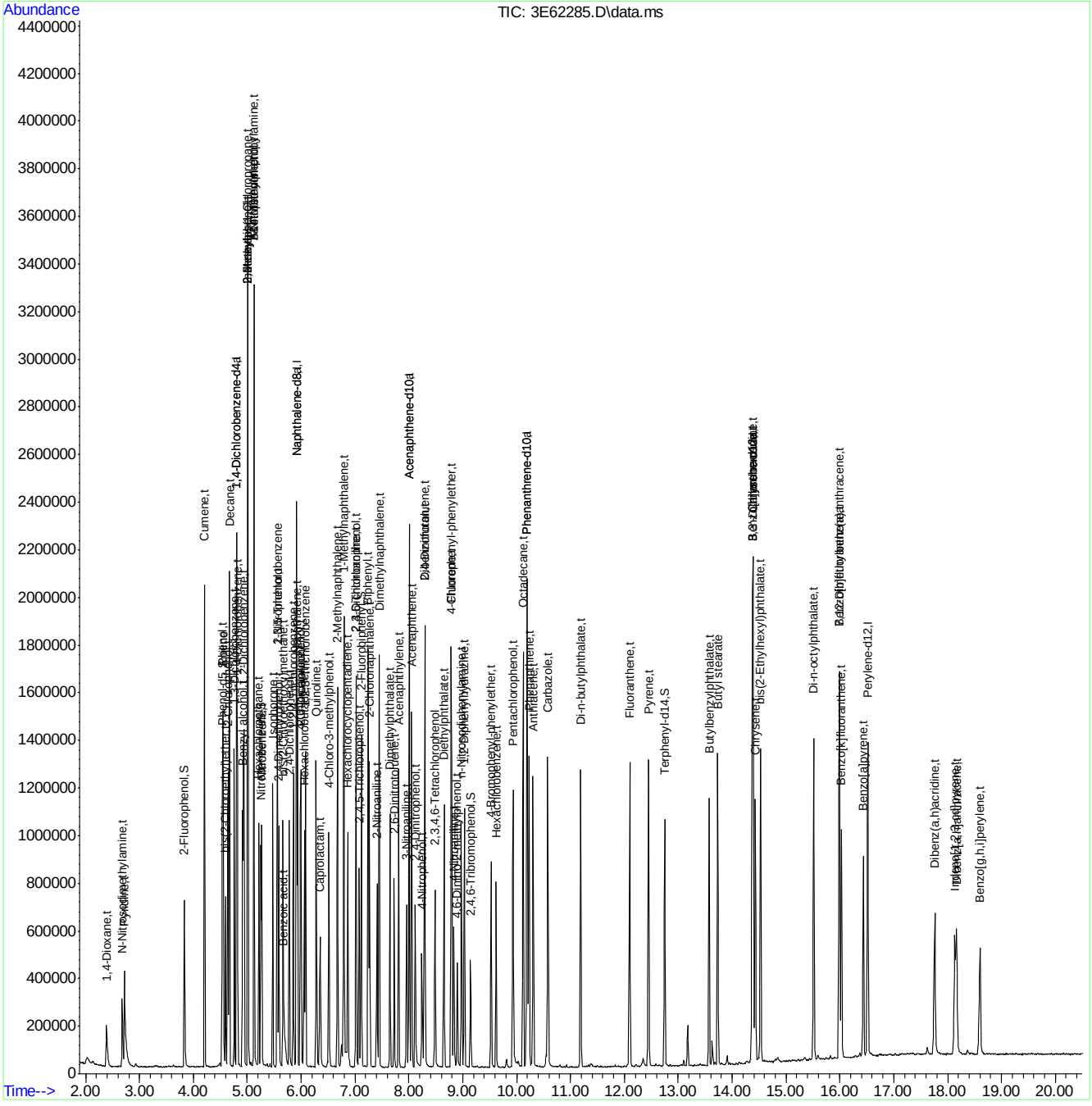
9.6.26

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62285.D
Acq On : 19 Jun 2014 11:47 am
Operator : olgaa
Sample : cc2646-25
Misc : op75640,e3e2669,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 15:09:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration



Manual Integration Approval Summary

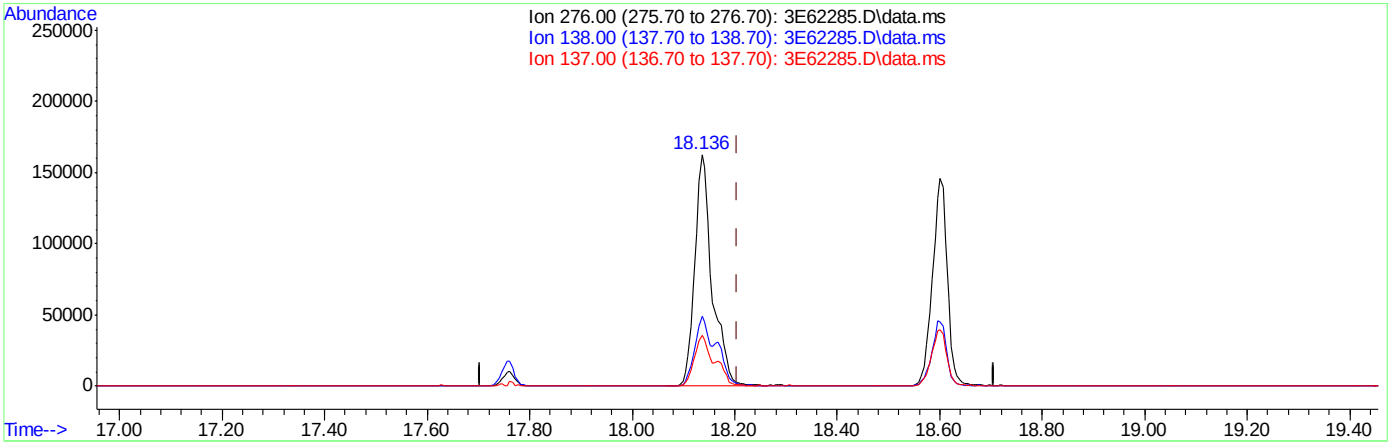
Sample Number:	E3E2669-CC2646	**Method:**	SW846 8270D
Lab FileID:	3E62285.D	**Analyst approved:**	06/20/14 15:30 Olga Azarihn
Injection Time:	06/19/14 11:47	**Supervisor approved:**	06/23/14 17:11 Nina Pandya

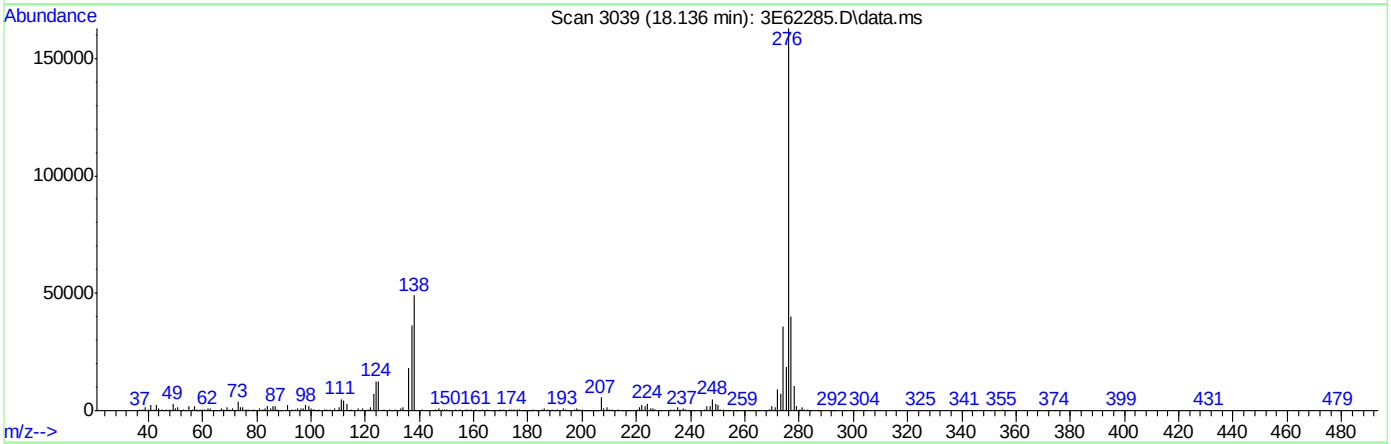
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.14	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62285.D
Acq On : 19 Jun 2014 11:47 am
Operator : olgaa
Sample : cc2646-25
Misc : op75640,e3e2669,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 12:09:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration





TIC: 3E62285.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.136min (-0.070) 26.31ppb

response 382435

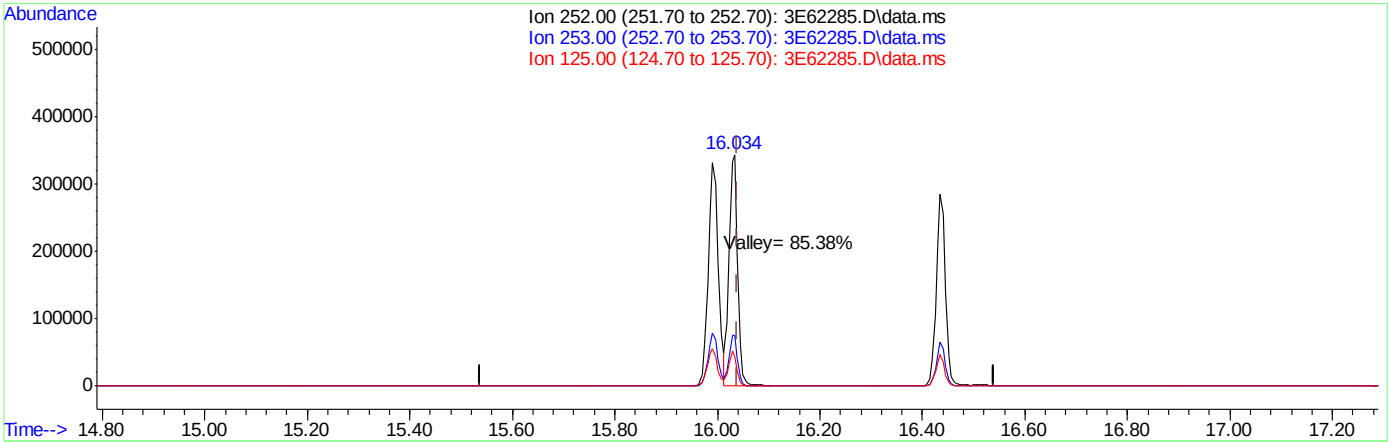
Ion	Exp%	Act%
276.00	100	100
138.00	28.80	30.01
137.00	22.10	21.97
0.00	0.00	0.00

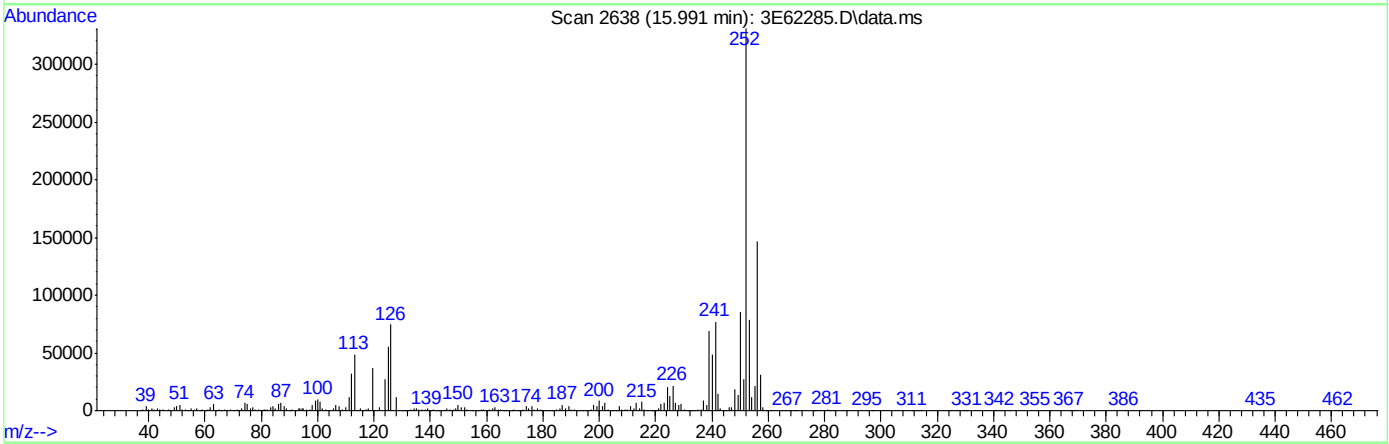
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62285.D
Acq On : 19 Jun 2014 11:47 am
Operator : olgaa
Sample : cc2646-25
Misc : op75640,e3e2669,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 12:09:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration





TIC: 3E62285.D\data.ms

(94) Benzo[b]fluoranthene (t)

15.991min (-0.048) 26.62ppb

response 460652

Ion	Exp%	Act%
252.00	100	100
253.00	25.30	23.74
125.00	19.70	16.42
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62286.D
Acq On : 19 Jun 2014 12:14 pm
Operator : olgaa
Sample : cc2647-25
Misc : op75640,e3e2669,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 17:05:44 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration

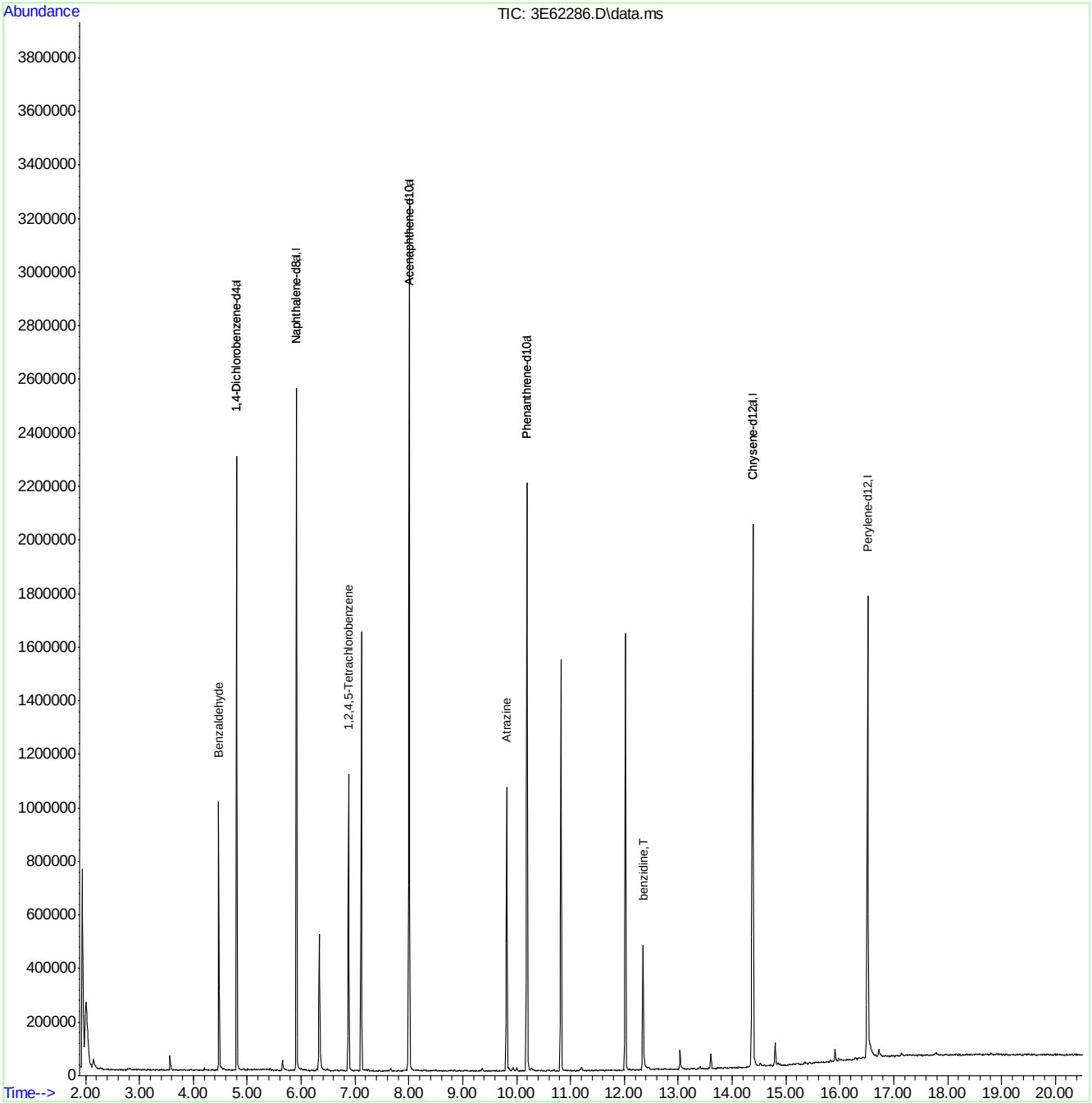
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.802	152	284351	40.00	ppb	-0.04
24) Naphthalene-d8	5.909	136	1088296	40.00	ppb	-0.04
47) Acenaphthene-d10	8.006	164	604860	40.00	ppb	-0.05
69) Phenanthrene-d10	10.193	188	931415	40.00	ppb	-0.05
83) Chrysene-d12	14.387	240	835534	40.00	ppb	-0.06
92) Perylene-d12	16.515	264	689250	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	4.802	152	284351	40.00	ppb	-0.04
104) Acenaphthene-d10a	8.006	164	604860	40.00	ppb	-0.05
106) Phenanthrene-d10a	10.193	188	931415	40.00	ppb	-0.05
108) Chrysene-d12a	14.387	240	835534	40.00	ppb	-0.06
110) Naphthalene-d8a	5.909	136	1088296	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.470	105	165162	21.74	ppb	91
105) 1,2,4,5-Tetrachloroben...	6.882	216	187255	25.51	ppb	99
107) Atrazine	9.819	215	69731	28.69	ppb	93
109) benzidine	12.349	184	243134	15.83	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2669\
Data File : 3E62286.D
Acq On : 19 Jun 2014 12:14 pm
Operator : olgaa
Sample : cc2647-25
Misc : op75640,e3e2669,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 17:05:44 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoTue Jun 17 16:19:44 2014
QLast Update : Tue Jun 17 16:19:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	399159	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1467854	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	833729	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1286105	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	1204700	40.00	ppb	0.00
92) Perylene-d12	16.387	264	1007471	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	399159	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	833729	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1286105	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	1204700	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1467854	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	13862	1.13	ppb	0.00
Spiked Amount 50.000			Recovery =	2.26%		
8) Phenol-d5	4.470	99	15956	1.04	ppb	0.00
Spiked Amount 50.000			Recovery =	2.08%		
25) Nitrobenzene-d5	5.160	82	13793	1.12	ppb	0.00
Spiked Amount 50.000			Recovery =	2.24%		
51) 2-Fluorobiphenyl	7.000	172	29225	1.09	ppb	0.00
Spiked Amount 50.000			Recovery =	2.18%		
73) 2,4,6-Tribromophenol	9.022	330	2705	0.98	ppb	0.00
Spiked Amount 50.000			Recovery =	1.96%		
85) Terphenyl-d14	12.611	244	26815	1.02	ppb	0.00
Spiked Amount 50.000			Recovery =	2.04%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.277	88	5316	1.17	ppb	89
3) Pyridine	2.657	79	11959	1.08	ppb	89
4) N-Nitrosodimethylamine	2.593	74	7318	1.14	ppb	78
6) Indene	4.914	116	27268	1.15	ppb	95
7) Cumene	4.112	105	36849	1.14	ppb	97
9) Phenol	4.476	94	20135	1.20	ppb	85
10) Aniline	4.470	93	20063	1.02	ppb	86
11) bis(2-Chloroethyl)ether	4.513	93	11971	1.07	ppb	93
12) 2-Chlorophenol	4.566	128	16192	1.11	ppb	93
13) Decane	4.582	43	12497	1.35	ppb	98
14) 1,3-Dichlorobenzene	4.668	146	18479	1.15	ppb	81
15) 1,4-Dichlorobenzene	4.727	146	17445	1.07	ppb	89
16) Benzyl alcohol	4.829	108	9438	1.06	ppb	91
17) 1,2-Dichlorobenzene	4.845	146	17197	1.14	ppb	97
18) Acetophenone	5.032	105	21263	1.14	ppb	98
19) 2-Methylphenol	4.925	108	11752	0.96	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.919	121	5918	1.23	ppb	91
21) 3&4-Methylphenol	5.048	108	11841	0.92	ppb	84
22) n-Nitroso-di-n-propyla...	5.026	70	9395	1.13	ppb	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.112	201	5361	1.09	ppb		85
26) Nitrobenzene	5.176	77	14036	1.11	ppb		92
27) Quinoline	6.176	129	30023	1.11	ppb		96
28) Isophorone	5.374	82	25299	1.17	ppb		97
29) 2-Nitrophenol	5.454	139	8500	1.09	ppb		76
30) 2,4-Dimethylphenol	5.492	107	10696	0.85	ppb		90
31) Benzoic acid	5.583	105	8489	0.82	ppb		84
32) bis(2-Chloroethoxy)met...	5.561	93	13602	1.11	ppb		98
33) 2,4-Dichlorophenol	5.690	162	11758	1.09	ppb		100
34) 2,6-Dichlorophenol	5.893	162	11844	1.10	ppb		97
35) 1,3,5-Trichlorobenzene	5.460	180	14463	1.22	ppb		98
36) 1,2,4-Trichlorobenzene	5.754	180	12416	1.11	ppb		91
37) 1,2,3-Trichlorobenzene	5.973	180	12154	1.09	ppb		99
38) Naphthalene	5.823	128	46651	1.20	ppb		97
39) 4-Chloroaniline	5.888	127	18051	1.06	ppb		99
40) 2,3-Dichloroaniline	6.904	161	14786	1.10	ppb		96
41) Caprolactam	6.235	55	4058	1.02	ppb		93
42) Hexachlorobutadiene	5.946	225	6477	1.16	ppb		93
43) 4-Chloro-3-methylphenol	6.417	107	13458	1.21	ppb	#	95
44) 2-Methylnaphthalene	6.561	141	25928	1.11	ppb		95
45) 1-Methylnaphthalene	6.674	141	28158	1.19	ppb		99
46) Dimethylnaphthalene	7.326	156	26603	1.12	ppb		96
48) Hexachlorocyclopentadiene	6.749	237	1772	0.44	ppb		96
49) 2,4,6-Trichlorophenol	6.914	196	8172	1.15	ppb		85
50) 2,4,5-Trichlorophenol	6.973	196	8075	1.05	ppb		93
52) 2-Chloronaphthalene	7.150	162	26994	1.12	ppb		98
53) Biphenyl	7.123	154	36933	1.13	ppb		98
54) 2-Nitroaniline	7.294	65	7828	1.23	ppb		91
55) Dimethylphthalate	7.530	163	29060	1.09	ppb		95
56) Acenaphthylene	7.685	152	43408	1.08	ppb		98
57) 2,6-Dinitrotoluene	7.610	165	7575	1.12	ppb		94
58) 3-Nitroaniline	7.851	138	7731	1.01	ppb		81
59) Acenaphthene	7.925	153	29626	1.18	ppb		83
60) 2,4-Dinitrophenol	8.027	184	2326	0.60	ppb		85
61) 4-Nitrophenol	8.177	109	3538	1.08	ppb	#	31
62) Dibenzofuran	8.166	168	38116	1.14	ppb		92
63) 2,4-Dinitrotoluene	8.187	165	10050	1.10	ppb		96
64) 2,3,4,6-Tetrachlorophenol	8.369	232	5801	1.03	ppb		84
65) Diethylphthalate	8.524	149	31123	1.18	ppb		96
66) Fluorene	8.658	166	30902	1.12	ppb		95
67) 4-Chlorophenyl-phenyle...	8.669	204	13040	1.10	ppb		94
68) 4-Nitroaniline	8.722	138	7599	0.98	ppb		91
70) 4,6-Dinitro-2-methylph...	8.792	198	2607	0.52	ppb		70
71) n-Nitrosodiphenylamine	8.851	169	21304	1.12	ppb		99
72) 1,2-Diphenylhydrazine	8.899	77	24941	1.03	ppb		89
74) 4-Bromophenyl-phenylether	9.391	248	7023	1.11	ppb		94
75) Hexachlorobenzene	9.493	284	7306	1.15	ppb		93
76) Pentachlorophenol	9.813	266	6686	1.69	ppb		81
77) Phenanthrene	10.097	178	43061	1.14	ppb		99
78) Anthracene	10.177	178	44188	1.13	ppb		96

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	42339	1.15	ppb	96
80) Di-n-butylphthalate	11.060	149	47096	1.05	ppb	99
81) Fluoranthene	11.964	202	43929	1.16	ppb	95
82) Octadecane	9.990	57	14044	1.12	ppb	91
84) Pyrene	12.317	202	44051	1.07	ppb	97
86) Butylbenzylphthalate	13.434	149	21685	1.06	ppb	94
87) Butyl stearate	13.595	56	9546	0.73	ppb	90
88) Benzo[a]anthracene	14.242	228	43793	1.23	ppb	96
89) 3,3'-Dichlorobenzidine	14.242	252	12843	0.96	ppb	70
90) Chrysene	14.296	228	38746	1.19	ppb	91
91) bis(2-Ethylhexyl)phtha...	14.392	149	31270	1.07	ppb	99
93) Di-n-octylphthalate	15.376	149	52041	1.11	ppb	96
94) Benzo[b]fluoranthene	15.857	252	38348	1.14	ppb	95
95) Benzo[k]fluoranthene	15.895	252	34935	1.12	ppb	97
96) Benzo[a]pyrene	16.307	252	32828	1.13	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.959	276	38286	1.13	ppb	91
98) Dibenz(a,h)acridine	17.590	279	27926	1.10	ppb	99
99) Dibenz[a,h]anthracene	17.986	278	33406	1.17	ppb	92
100) 7,12-Dimethylbenz(a)an...	15.841	256	7836	0.46	ppb	90
101) Benzo[g,h,i]perylene	18.403	276	32390	1.21	ppb	93

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

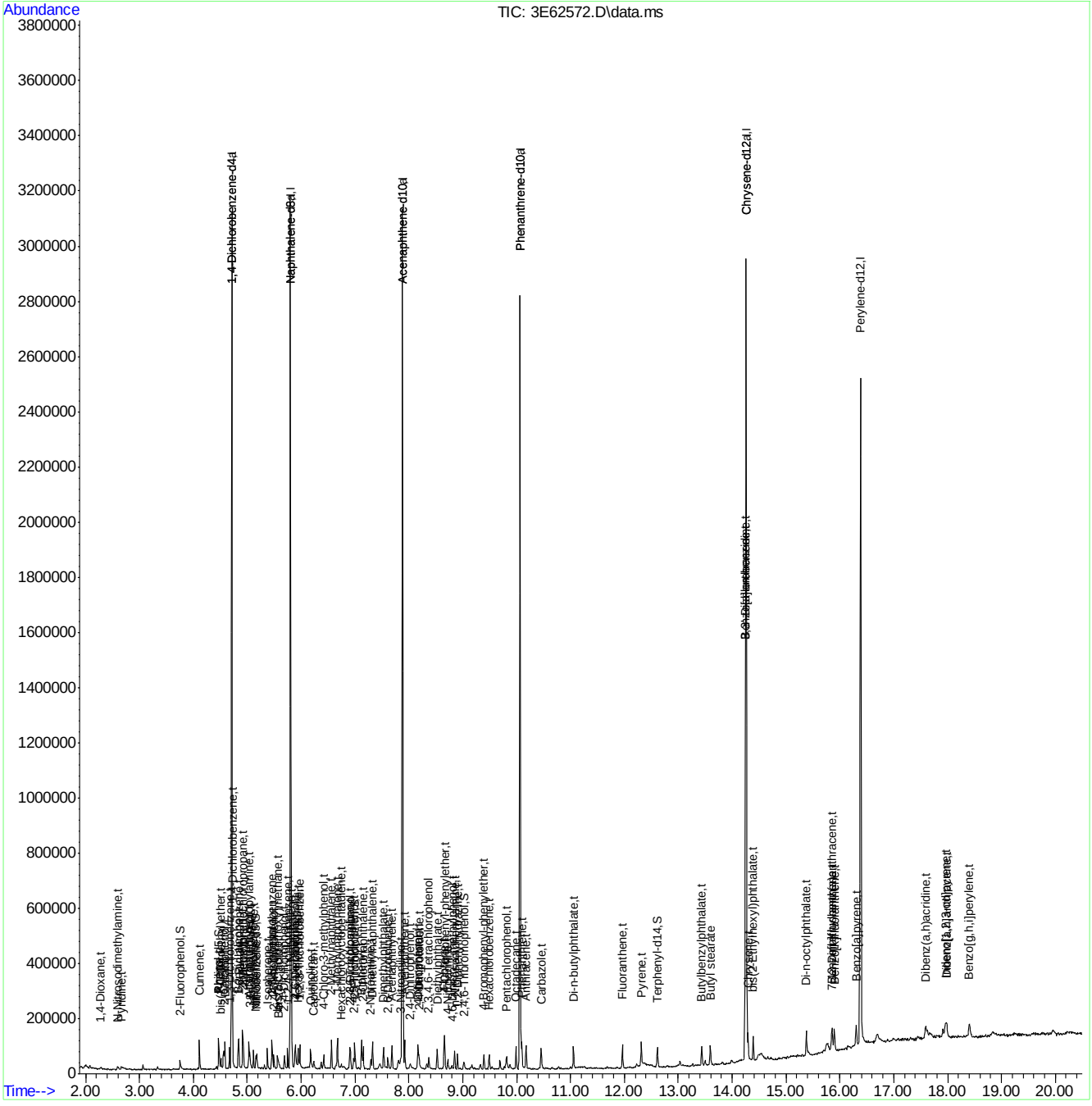
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	342411	40.00	ppb		0.00
24) Naphthalene-d8	5.807	136	1317039	40.00	ppb		0.00
47) Acenaphthene-d10	7.883	164	738785	40.00	ppb		0.00
69) Phenanthrene-d10	10.065	188	1142137	40.00	ppb		0.00
83) Chrysene-d12	14.258	240	1056855	40.00	ppb		0.00
92) Perylene-d12	16.382	264	901647	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	342411	40.00	ppb		0.00
104) Acenaphthene-d10a	7.883	164	738785	40.00	ppb		0.00
106) Phenanthrene-d10a	10.065	188	1142137	40.00	ppb		0.00
110) Chrysene-d12a	14.258	240	1056855	40.00	ppb		0.00
112) Naphthalene-d8a	5.807	136	1317039	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.759	112	22268	2.00	ppb		0.01
Spiked Amount 50.000			Recovery	=	4.00%		
8) Phenol-d5	4.470	99	27448	1.98	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.96%		
25) Nitrobenzene-d5	5.160	82	25060	2.11	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.22%		
51) 2-Fluorobiphenyl	7.000	172	52346	2.11	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.22%		
73) 2,4,6-Tribromophenol	9.022	330	4830	1.90	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.80%		
85) Terphenyl-d14	12.611	244	46701	1.98	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.96%		
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	2.277	88	8087	1.94	ppb		94
3) Pyridine	2.657	79	19209	1.88	ppb		86
4) N-Nitrosodimethylamine	2.593	74	10687	1.86	ppb		83
6) Indene	4.914	116	45642	2.06	ppb		98
7) Cumene	4.117	105	64255	2.15	ppb		96
9) Phenol	4.475	94	32803	2.08	ppb		86
10) Aniline	4.475	93	35893	2.18	ppb		97
11) bis(2-Chloroethyl)ether	4.513	93	22243	2.18	ppb		98
12) 2-Chlorophenol	4.566	128	28437	2.14	ppb		94
13) Decane	4.582	43	17799	2.00	ppb		98
14) 1,3-Dichlorobenzene	4.673	146	31561	2.12	ppb		98
15) 1,4-Dichlorobenzene	4.727	146	31324	2.10	ppb		98
16) Benzyl alcohol	4.834	108	17515	2.14	ppb		95
17) 1,2-Dichlorobenzene	4.850	146	29904	2.12	ppb		98
18) Acetophenone	5.032	105	35876	2.07	ppb		99
19) 2-Methylphenol	4.925	108	22667	2.11	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.925	121	9160	2.03	ppb	#	78
21) 3&4-Methylphenol	5.048	108	22296	1.95	ppb		97
22) n-Nitroso-di-n-propyla...	5.026	70	15015	1.99	ppb		91

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	9350	2.05	ppb		98
26) Nitrobenzene	5.176	77	26197	2.14	ppb		96
27) Quinoline	6.171	129	52673	2.01	ppb		97
28) Isophorone	5.374	82	42456	2.03	ppb		97
29) 2-Nitrophenol	5.454	139	15068	2.00	ppb		89
30) 2,4-Dimethylphenol	5.497	107	20124	1.85	ppb		97
31) Benzoic acid	5.583	105	16683	1.83	ppb		81
32) bis(2-Chloroethoxy)met...	5.561	93	23831	2.02	ppb		92
33) 2,4-Dichlorophenol	5.690	162	21342	2.06	ppb		94
34) 2,6-Dichlorophenol	5.898	162	21291	2.04	ppb		92
35) 1,3,5-Trichlorobenzene	5.460	180	24315	2.06	ppb		98
36) 1,2,4-Trichlorobenzene	5.754	180	22559	2.08	ppb		94
37) 1,2,3-Trichlorobenzene	5.973	180	21760	2.03	ppb		95
38) Naphthalene	5.823	128	80211	2.11	ppb		99
39) 4-Chloroaniline	5.888	127	31173	1.98	ppb		96
40) 2,3-Dichloroaniline	6.904	161	25567	1.98	ppb		95
41) Caprolactam	6.235	55	7045	1.87	ppb		85
42) Hexachlorobutadiene	5.946	225	12316	2.19	ppb		95
43) 4-Chloro-3-methylphenol	6.417	107	22014	2.01	ppb	#	93
44) 2-Methylnaphthalene	6.561	141	45499	2.02	ppb		100
45) 1-Methylnaphthalene	6.674	141	46847	2.03	ppb		96
46) Dimethylnaphthalene	7.326	156	46193	2.02	ppb		99
48) Hexachlorocyclopentadiene	6.749	237	3462	10.21	ppb		96
49) 2,4,6-Trichlorophenol	6.914	196	12678	1.89	ppb		99
50) 2,4,5-Trichlorophenol	6.973	196	13154	1.88	ppb		99
52) 2-Chloronaphthalene	7.150	162	47423	2.05	ppb		96
53) Biphenyl	7.123	154	64671	2.07	ppb		96
54) 2-Nitroaniline	7.294	65	13039	2.04	ppb		96
55) Dimethylphthalate	7.530	163	50527	2.02	ppb		99
56) Acenaphthylene	7.685	152	75442	2.02	ppb		98
57) 2,6-Dinitrotoluene	7.610	165	12539	1.97	ppb		89
58) 3-Nitroaniline	7.850	138	13242	1.87	ppb		84
59) Acenaphthene	7.925	153	47675	2.00	ppb		96
60) 2,4-Dinitrophenol	8.027	184	6268	1.88	ppb		84
61) 4-Nitrophenol	8.171	109	5667	1.87	ppb	#	1
62) Dibenzofuran	8.166	168	66565	2.07	ppb		94
63) 2,4-Dinitrotoluene	8.187	165	16188	1.92	ppb		88
64) 2,3,4,6-Tetrachlorophenol	8.369	232	9919	1.89	ppb		96
65) Diethylphthalate	8.524	149	51530	2.05	ppb		95
66) Fluorene	8.658	166	51432	1.97	ppb		94
67) 4-Chlorophenyl-phenyle...	8.669	204	22309	1.98	ppb		97
68) 4-Nitroaniline	8.722	138	13110	1.87	ppb		91
70) 4,6-Dinitro-2-methylph...	8.797	198	4889	1.12	ppb		77
71) n-Nitrosodiphenylamine	8.851	169	36749	2.06	ppb		95
72) 1,2-Diphenylhydrazine	8.899	77	44570	1.97	ppb		98
74) 4-Bromophenyl-phenylether	9.391	248	11754	1.98	ppb		99
75) Hexachlorobenzene	9.492	284	12697	2.06	ppb		92
76) Pentachlorophenol	9.819	266	11806	3.46	ppb		91
77) Phenanthrene	10.097	178	74790	2.08	ppb		98
78) Anthracene	10.177	178	73357	2.01	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	70281	2.00	ppb	99
80) Di-n-butylphthalate	11.054	149	80686	1.98	ppb	99
81) Fluoranthene	11.964	202	70990	1.97	ppb	97
82) Octadecane	9.990	57	23095	1.94	ppb	94
84) Pyrene	12.317	202	75416	2.01	ppb	98
86) Butylbenzylphthalate	13.434	149	34851	1.92	ppb	93
87) Butyl stearate	13.595	56	16112	1.79	ppb	92
88) Benzo[a]anthracene	14.242	228	67771	2.03	ppb	96
89) 3,3'-Dichlorobenzidine	14.237	252	21694	1.86	ppb	93
90) Chrysene	14.296	228	58922	1.95	ppb	96
91) bis(2-Ethylhexyl)phtha...	14.392	149	49269	1.91	ppb	97
93) Di-n-octylphthalate	15.376	149	84037	1.91	ppb	97
94) Benzo[b]fluoranthene	15.857	252	60469	1.89	ppb	96
95) Benzo[k]fluoranthene	15.889	252	62575	2.05	ppb	96
96) Benzo[a]pyrene	16.301	252	54777	1.97	ppb	94
97) Indeno[1,2,3-cd]pyrene	17.959	276	63038	1.92	ppb	89
98) Dibenz(a,h)acridine	17.585	279	48246	1.96	ppb	99
99) Dibenz[a,h]anthracene	17.981	278	53523	1.95	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.841	256	13248	3.20	ppb	91
101) Benzo[g,h,i]perylene	18.403	276	51282	1.95	ppb	96

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

9.6.29

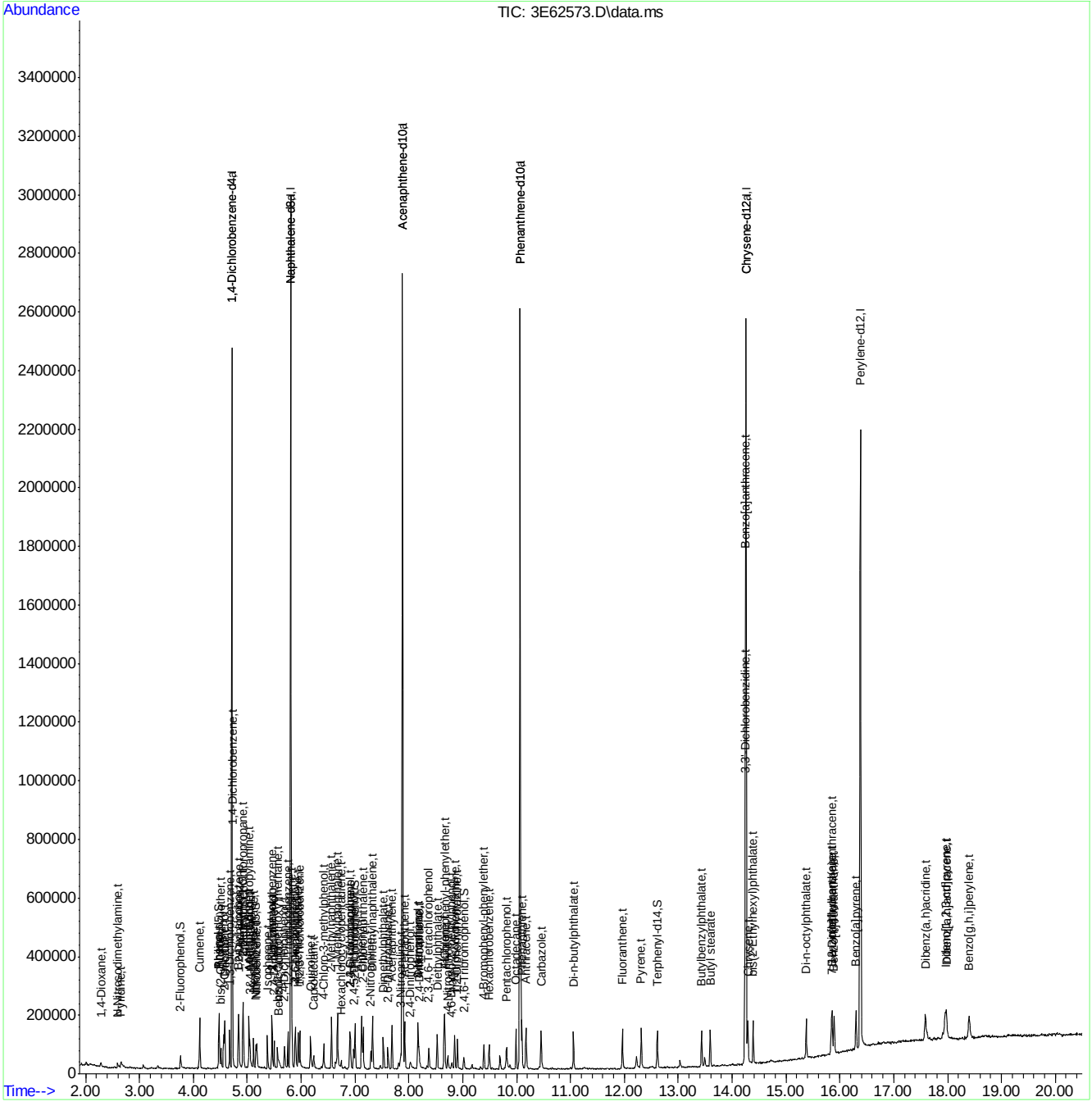
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ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	310156	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1171356	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	661697	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1028050	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	949191	40.00	ppb	0.00
92) Perylene-d12	16.382	264	803357	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	310156	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	661697	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1028050	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	949191	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1171356	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	52251	5.49	ppb	0.00
Spiked Amount 50.000			Recovery = 10.98%			
8) Phenol-d5	4.465	99	66783	5.61	ppb	0.00
Spiked Amount 50.000			Recovery = 11.22%			
25) Nitrobenzene-d5	5.160	82	54920	5.61	ppb	0.00
Spiked Amount 50.000			Recovery = 11.22%			
51) 2-Fluorobiphenyl	7.000	172	116071	5.48	ppb	0.00
Spiked Amount 50.000			Recovery = 10.96%			
73) 2,4,6-Tribromophenol	9.022	330	12342	5.60	ppb	0.00
Spiked Amount 50.000			Recovery = 11.20%			
85) Terphenyl-d14	12.611	244	111858	5.39	ppb	0.00
Spiked Amount 50.000			Recovery = 10.78%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.277	88	20659	5.83	ppb	96
3) Pyridine	2.636	79	51230	5.96	ppb	97
4) N-Nitrosodimethylamine	2.587	74	26702	5.35	ppb	91
6) Indene	4.914	116	106408	5.76	ppb	98
7) Cumene	4.117	105	145638	5.80	ppb	97
9) Phenol	4.476	94	77358	5.94	ppb	81
10) Aniline	4.470	93	79337	5.21	ppb	92
11) bis(2-Chloroethyl)ether	4.513	93	48258	5.56	ppb	99
12) 2-Chlorophenol	4.566	128	62637	5.54	ppb	94
13) Decane	4.583	43	44469	6.18	ppb	99
14) 1,3-Dichlorobenzene	4.673	146	71025	5.68	ppb	96
15) 1,4-Dichlorobenzene	4.727	146	73911	5.84	ppb	96
16) Benzyl alcohol	4.829	108	38864	5.60	ppb	92
17) 1,2-Dichlorobenzene	4.845	146	68777	5.87	ppb	98
18) Acetophenone	5.032	105	83548	5.75	ppb	98
19) 2-Methylphenol	4.925	108	51178	5.37	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.919	121	21649	5.80	ppb	91
21) 3&4-Methylphenol	5.048	108	56236	5.61	ppb	97
22) n-Nitroso-di-n-propyla...	5.026	70	36329	5.61	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	22107	5.77	ppb		97
26) Nitrobenzene	5.176	77	57815	5.75	ppb		99
27) Quinoline	6.171	129	126578	5.88	ppb		97
28) Isophorone	5.374	82	102619	5.96	ppb		98
29) 2-Nitrophenol	5.454	139	35188	5.66	ppb		87
30) 2,4-Dimethylphenol	5.492	107	49175	4.90	ppb		93
31) Benzoic acid	5.577	105	42509	5.12	ppb		85
32) bis(2-Chloroethoxy)met...	5.561	93	55515	5.68	ppb		97
33) 2,4-Dichlorophenol	5.690	162	47965	5.56	ppb		99
34) 2,6-Dichlorophenol	5.893	162	50011	5.83	ppb		94
35) 1,3,5-Trichlorobenzene	5.460	180	56098	5.93	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	51214	5.72	ppb		94
37) 1,2,3-Trichlorobenzene	5.973	180	51158	5.77	ppb		97
38) Naphthalene	5.823	128	182444	5.87	ppb		99
39) 4-Chloroaniline	5.888	127	75060	5.53	ppb		95
40) 2,3-Dichloroaniline	6.904	161	61572	5.73	ppb		98
41) Caprolactam	6.235	55	18124	5.72	ppb		95
42) Hexachlorobutadiene	5.946	225	26219	5.88	ppb		96
43) 4-Chloro-3-methylphenol	6.417	107	52041m	5.86	ppb		
44) 2-Methylnaphthalene	6.562	141	108291	5.82	ppb		96
45) 1-Methylnaphthalene	6.674	141	112260	5.95	ppb		99
46) Dimethylnaphthalene	7.326	156	107601	5.66	ppb		99
48) Hexachlorocyclopentadiene	6.749	237	15243	4.78	ppb		97
49) 2,4,6-Trichlorophenol	6.915	196	30804	5.48	ppb		92
50) 2,4,5-Trichlorophenol	6.973	196	31223	5.13	ppb		97
52) 2-Chloronaphthalene	7.150	162	112064	5.85	ppb		97
53) Biphenyl	7.123	154	149438	5.76	ppb		98
54) 2-Nitroaniline	7.294	65	29163	5.77	ppb		97
55) Dimethylphthalate	7.530	163	118332	5.59	ppb		98
56) Acenaphthylene	7.685	152	178078	5.60	ppb		99
57) 2,6-Dinitrotoluene	7.615	165	29086	5.43	ppb		98
58) 3-Nitroaniline	7.845	138	32551	5.35	ppb		96
59) Acenaphthene	7.920	153	114484	5.77	ppb		96
60) 2,4-Dinitrophenol	8.016	184	21485	6.96	ppb		95
61) 4-Nitrophenol	8.166	109	13511	5.19	ppb	#	1
62) Dibenzofuran	8.166	168	153062	5.77	ppb		92
63) 2,4-Dinitrotoluene	8.188	165	37381	5.17	ppb		97
64) 2,3,4,6-Tetrachlorophenol	8.369	232	24643	5.50	ppb		97
65) Diethylphthalate	8.524	149	120089	5.73	ppb		98
66) Fluorene	8.658	166	121940	5.55	ppb		100
67) 4-Chlorophenyl-phenyle...	8.669	204	54046	5.72	ppb		94
68) 4-Nitroaniline	8.717	138	31908	5.16	ppb		93
70) 4,6-Dinitro-2-methylph...	8.792	198	15715	3.93	ppb		78
71) n-Nitrosodiphenylamine	8.851	169	83674	5.50	ppb		98
72) 1,2-Diphenylhydrazine	8.899	77	109154	5.64	ppb		99
74) 4-Bromophenyl-phenylether	9.391	248	28029	5.55	ppb		96
75) Hexachlorobenzene	9.493	284	30003	5.91	ppb		96
76) Pentachlorophenol	9.813	266	29368	9.27	ppb		93
77) Phenanthrene	10.097	178	171319	5.67	ppb		99
78) Anthracene	10.177	178	173760	5.55	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) Carbazole	10.455	167	169652	5.74 ppb	99
80) Di-n-butylphthalate	11.054	149	190943	5.35 ppb	99
81) Fluoranthene	11.964	202	169073	5.57 ppb	98
82) Octadecane	9.990	57	57432	5.73 ppb	98
84) Pyrene	12.311	202	178994	5.54 ppb	98
86) Butylbenzylphthalate	13.435	149	84904	5.27 ppb	95
87) Butyl stearate	13.595	56	36817	3.60 ppb	99
88) Benzo[a]anthracene	14.237	228	155781	5.57 ppb	99
89) 3,3'-Dichlorobenzidine	14.237	252	53619	5.11 ppb	94
90) Chrysene	14.296	228	143867	5.59 ppb	97
91) bis(2-Ethylhexyl)phtha...	14.392	149	118370	5.15 ppb	98
93) Di-n-octylphthalate	15.376	149	202280	5.41 ppb	98
94) Benzo[b]fluoranthene	15.857	252	147099	5.50 ppb	96
95) Benzo[k]fluoranthene	15.895	252	143135	5.73 ppb	96
96) Benzo[a]pyrene	16.301	252	129585	5.59 ppb	97
97) Indeno[1,2,3-cd]pyrene	17.954	276	155444	5.74 ppb	94
98) Dibenz(a,h)acridine	17.585	279	114278	5.63 ppb	97
99) Dibenz[a,h]anthracene	17.981	278	125936	5.55 ppb	97
100) 7,12-Dimethylbenz(a)an...	15.841	256	41387	3.06 ppb	99
101) Benzo[g,h,i]perylene	18.398	276	123562	5.77 ppb	96

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

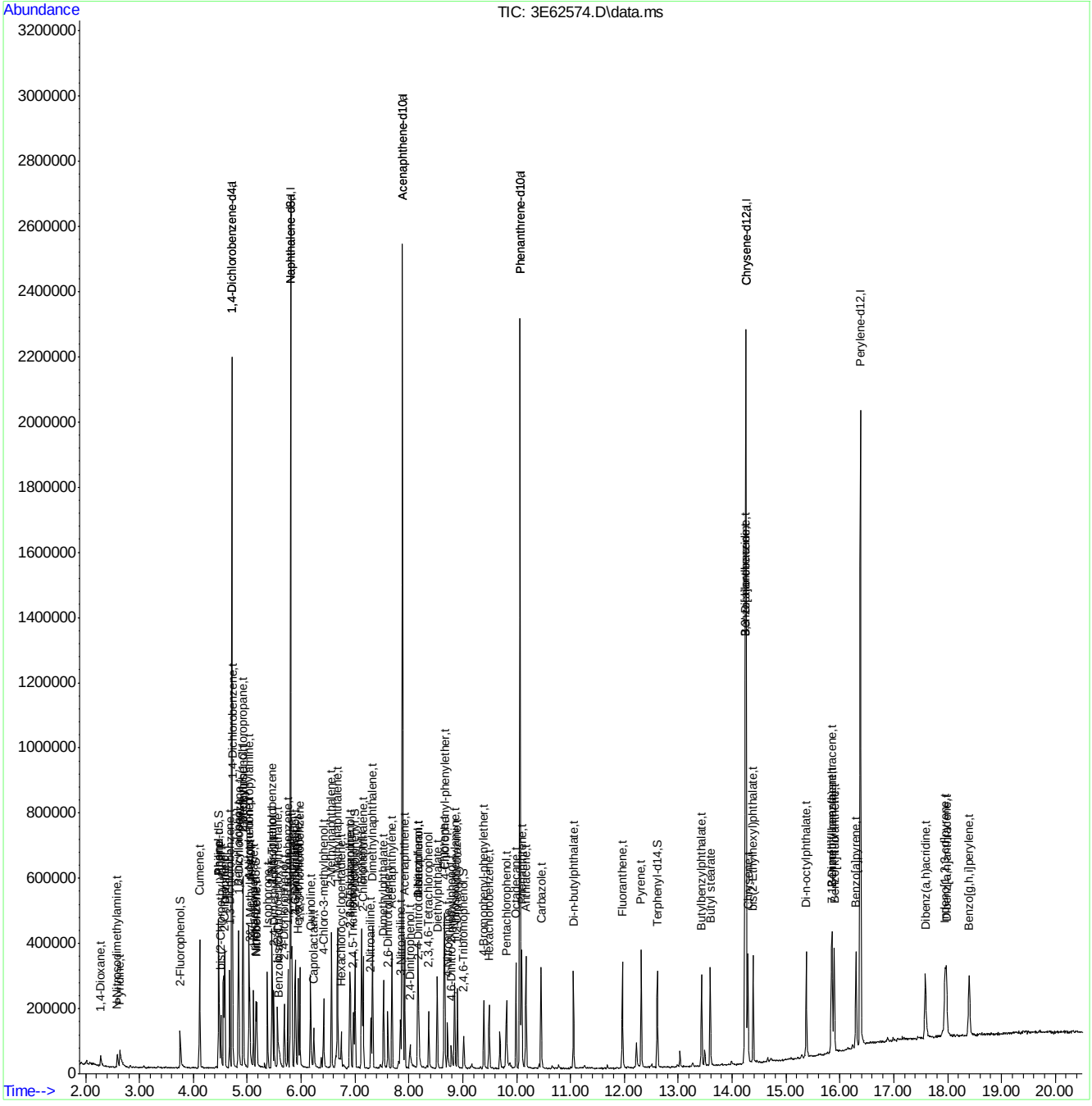
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



Manual Integration Approval Summary

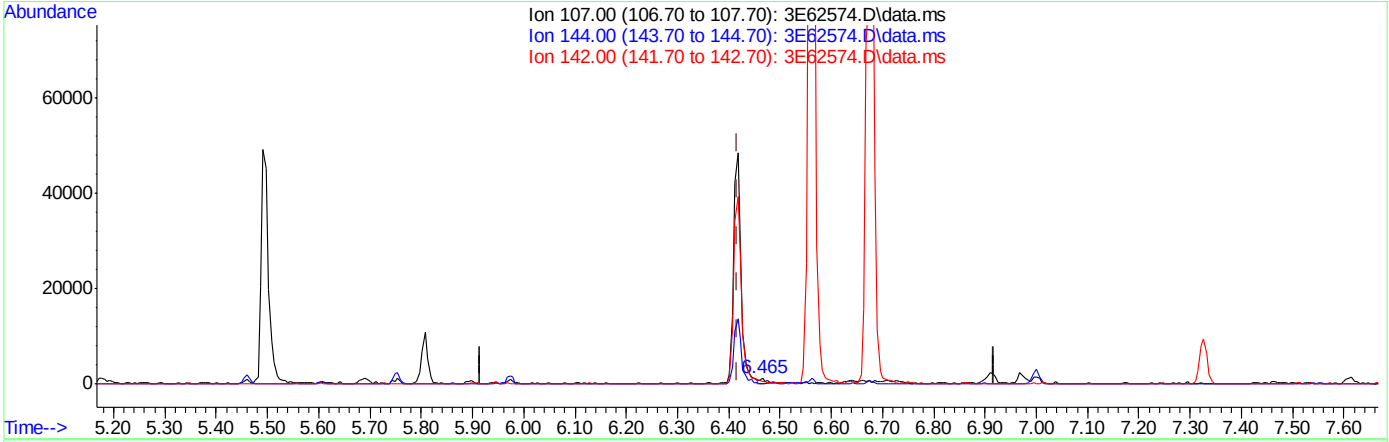
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62574.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 21:01	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

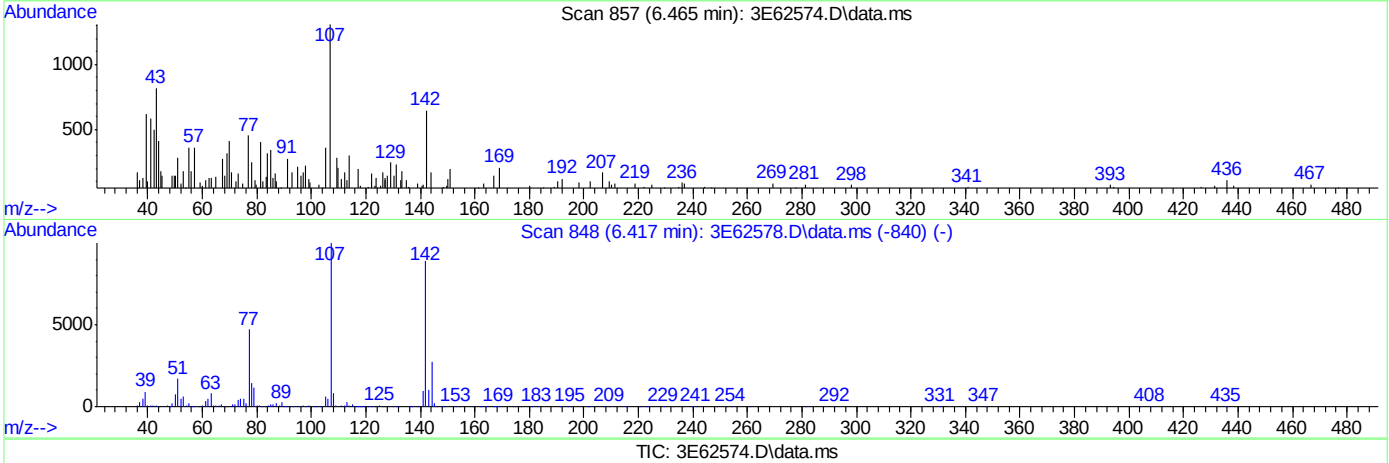
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:54:15 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration





TIC: 3E62574.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.465min (+0.048) 0.12ppb

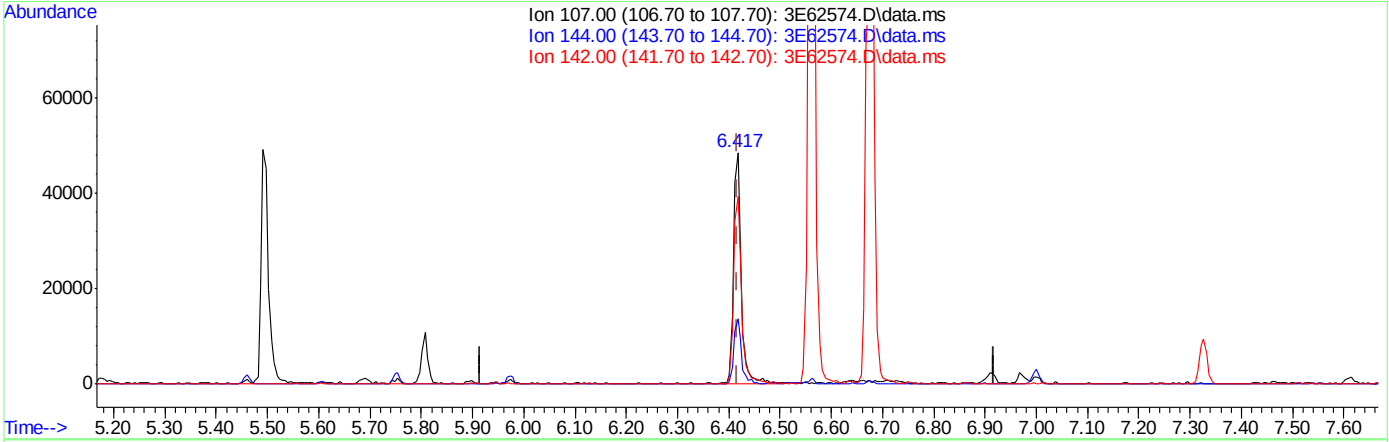
response 1100

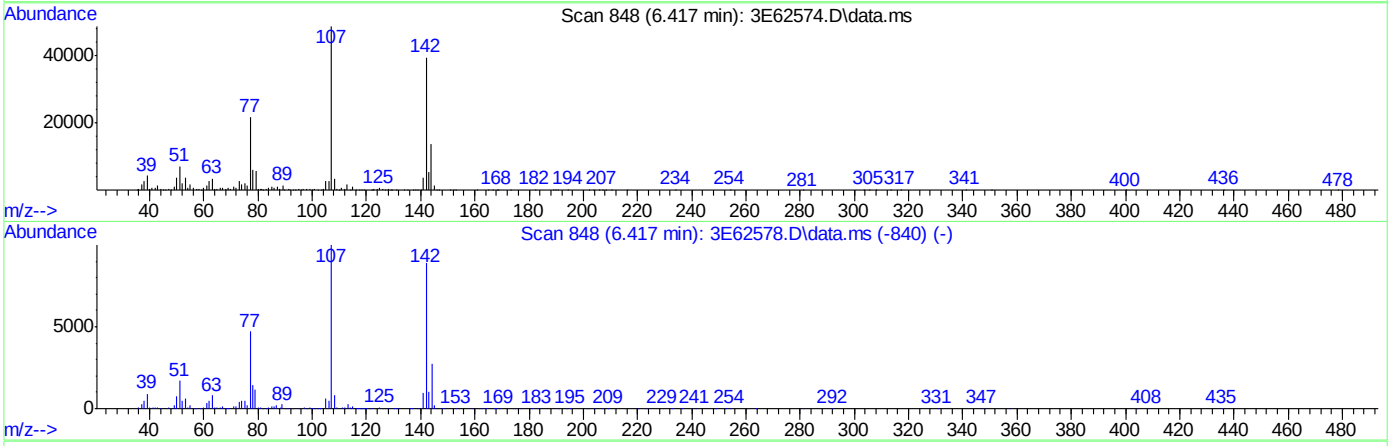
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration





TIC: 3E62574.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.417min (-0.000) 5.86ppb m

response 52041

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	28.09
142.00	0.00	80.95#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	335058	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1270657	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	701420	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1101501	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	1002933	40.00	ppb	0.00
92) Perylene-d12	16.382	264	874876	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	335058	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	701420	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1101501	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	1002933	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1270657	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	109653	10.67	ppb	0.00
Spiked Amount 50.000			Recovery = 21.34%			
8) Phenol-d5	4.465	99	140344	10.92	ppb	0.00
Spiked Amount 50.000			Recovery = 21.84%			
25) Nitrobenzene-d5	5.160	82	118835	11.19	ppb	0.00
Spiked Amount 50.000			Recovery = 22.38%			
51) 2-Fluorobiphenyl	7.000	172	238075	10.60	ppb	0.00
Spiked Amount 50.000			Recovery = 21.20%			
73) 2,4,6-Tribromophenol	9.022	330	24432	10.34	ppb	0.00
Spiked Amount 50.000			Recovery = 20.68%			
85) Terphenyl-d14	12.611	244	229601	10.47	ppb	0.00
Spiked Amount 50.000			Recovery = 20.94%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.272	88	40101	10.47	ppb	89
3) Pyridine	2.620	79	103717	11.16	ppb	94
4) N-Nitrosodimethylamine	2.577	74	58445	10.84	ppb	97
6) Indene	4.914	116	228787	11.47	ppb	96
7) Cumene	4.117	105	307441	11.32	ppb	99
9) Phenol	4.476	94	161246	11.46	ppb	88
10) Aniline	4.470	93	168108	10.21	ppb	98
11) bis(2-Chloroethyl)ether	4.513	93	102042	10.88	ppb	99
12) 2-Chlorophenol	4.566	128	135313	11.08	ppb	99
13) Decane	4.583	43	85833	11.04	ppb	95
14) 1,3-Dichlorobenzene	4.673	146	149636	11.07	ppb	99
15) 1,4-Dichlorobenzene	4.727	146	152281	11.13	ppb	98
16) Benzyl alcohol	4.829	108	81287	10.84	ppb	92
17) 1,2-Dichlorobenzene	4.845	146	143844	11.36	ppb	99
18) Acetophenone	5.032	105	172676	10.99	ppb	98
19) 2-Methylphenol	4.925	108	103466	10.06	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.919	121	43407	10.77	ppb	91
21) 3&4-Methylphenol	5.048	108	112293	10.36	ppb	97
22) n-Nitroso-di-n-propyla...	5.026	70	73805	10.56	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	45758	11.06	ppb		98
26) Nitrobenzene	5.176	77	121105	11.10	ppb		99
27) Quinoline	6.171	129	254916	10.92	ppb		99
28) Isophorone	5.374	82	205571	11.01	ppb		97
29) 2-Nitrophenol	5.454	139	74422	11.04	ppb		86
30) 2,4-Dimethylphenol	5.492	107	98726	9.06	ppb		98
31) Benzoic acid	5.593	105	87429	9.70	ppb		90
32) bis(2-Chloroethoxy)met...	5.561	93	116027	10.94	ppb		99
33) 2,4-Dichlorophenol	5.684	162	102352	10.94	ppb		96
34) 2,6-Dichlorophenol	5.893	162	99912	10.73	ppb		97
35) 1,3,5-Trichlorobenzene	5.460	180	117155	11.42	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	106803	10.99	ppb		97
37) 1,2,3-Trichlorobenzene	5.973	180	105424	10.96	ppb		98
38) Naphthalene	5.823	128	377580	11.19	ppb		99
39) 4-Chloroaniline	5.882	127	156651	10.64	ppb		96
40) 2,3-Dichloroaniline	6.904	161	126889	10.88	ppb		99
41) Caprolactam	6.241	55	38189	11.10	ppb		96
42) Hexachlorobutadiene	5.946	225	54217	11.21	ppb		95
43) 4-Chloro-3-methylphenol	6.417	107	105633m	10.97	ppb		
44) 2-Methylnaphthalene	6.562	141	225116	11.14	ppb		99
45) 1-Methylnaphthalene	6.674	141	232270	11.35	ppb		94
46) Dimethylnaphthalene	7.326	156	224191	10.88	ppb		99
48) Hexachlorocyclopentadiene	6.749	237	46551	13.76	ppb		98
49) 2,4,6-Trichlorophenol	6.915	196	65344	10.96	ppb		98
50) 2,4,5-Trichlorophenol	6.968	196	67778	10.51	ppb		98
52) 2-Chloronaphthalene	7.150	162	229634	11.30	ppb		99
53) Biphenyl	7.123	154	307994	11.19	ppb		99
54) 2-Nitroaniline	7.294	65	63913	11.92	ppb		96
55) Dimethylphthalate	7.530	163	248805	11.09	ppb		99
56) Acenaphthylene	7.685	152	372570	11.05	ppb		100
57) 2,6-Dinitrotoluene	7.615	165	60432	10.64	ppb		97
58) 3-Nitroaniline	7.845	138	69694	10.80	ppb		96
59) Acenaphthene	7.925	153	233425	11.10	ppb		98
60) 2,4-Dinitrophenol	8.016	184	55322	16.91	ppb		94
61) 4-Nitrophenol	8.155	109	30175	10.94	ppb	#	30
62) Dibenzofuran	8.166	168	318943	11.35	ppb		92
63) 2,4-Dinitrotoluene	8.188	165	82588	10.77	ppb		94
64) 2,3,4,6-Tetrachlorophenol	8.369	232	50458	10.63	ppb		97
65) Diethylphthalate	8.524	149	241982	10.89	ppb		99
66) Fluorene	8.658	166	255834	10.99	ppb		99
67) 4-Chlorophenyl-phenyle...	8.669	204	107490	10.74	ppb		96
68) 4-Nitroaniline	8.717	138	68555	10.47	ppb		93
70) 4,6-Dinitro-2-methylph...	8.792	198	39276	9.17	ppb		83
71) n-Nitrosodiphenylamine	8.851	169	175138	10.74	ppb		99
72) 1,2-Diphenylhydrazine	8.904	77	228343	11.01	ppb		98
74) 4-Bromophenyl-phenylether	9.391	248	57088	10.54	ppb		94
75) Hexachlorobenzene	9.493	284	59071	10.87	ppb		96
76) Pentachlorophenol	9.808	266	64831	19.10	ppb		98
77) Phenanthrene	10.097	178	357273	11.04	ppb		99
78) Anthracene	10.177	178	361088	10.76	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	345724	10.92	ppb	99
80) Di-n-butylphthalate	11.054	149	403555	10.55	ppb	100
81) Fluoranthene	11.964	202	351720	10.81	ppb	98
82) Octadecane	9.990	57	118968	11.08	ppb	98
84) Pyrene	12.311	202	374119	10.96	ppb	98
86) Butylbenzylphthalate	13.435	149	173943	10.22	ppb	99
87) Butyl stearate	13.595	56	79906	7.39	ppb	95
88) Benzo[a]anthracene	14.242	228	322141	10.90	ppb	99
89) 3,3'-Dichlorobenzidine	14.237	252	113306	10.21	ppb	99
90) Chrysene	14.296	228	299640	11.01	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.392	149	253153	10.43	ppb	98
93) Di-n-octylphthalate	15.376	149	432879	10.63	ppb	99
94) Benzo[b]fluoranthene	15.857	252	312195	10.73	ppb	99
95) Benzo[k]fluoranthene	15.895	252	303730	11.17	ppb	98
96) Benzo[a]pyrene	16.301	252	269550	10.68	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.954	276	323407	10.97	ppb	97
98) Dibenz(a,h)acridine	17.585	279	242443	10.97	ppb	99
99) Dibenz[a,h]anthracene	17.981	278	268043	10.85	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.847	256	114825	7.79	ppb	97
101) Benzo[g,h,i]perylene	18.403	276	254993	10.93	ppb	97

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

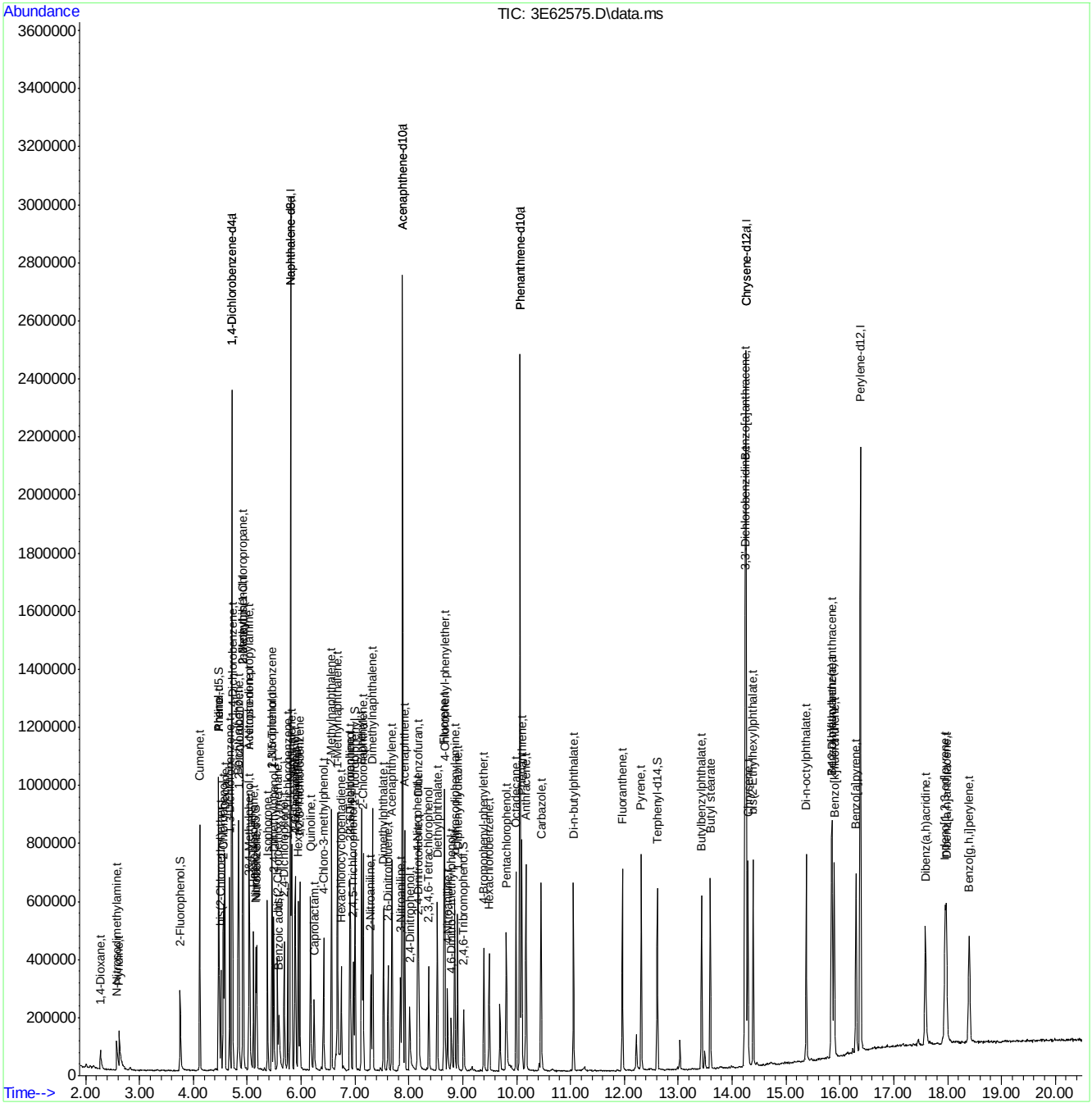
9.6.31

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



Manual Integration Approval Summary

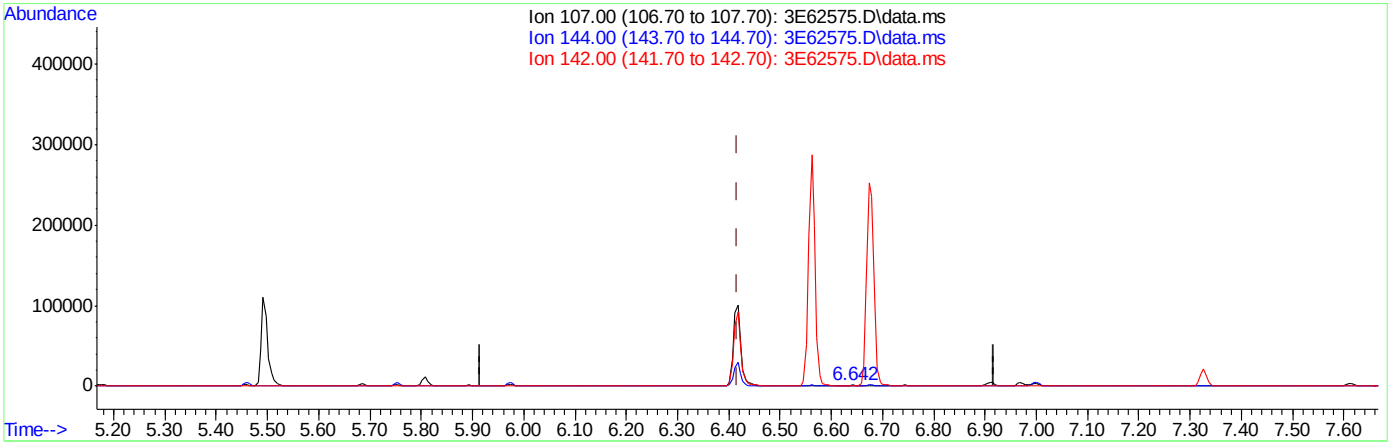
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62575.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 21:28	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

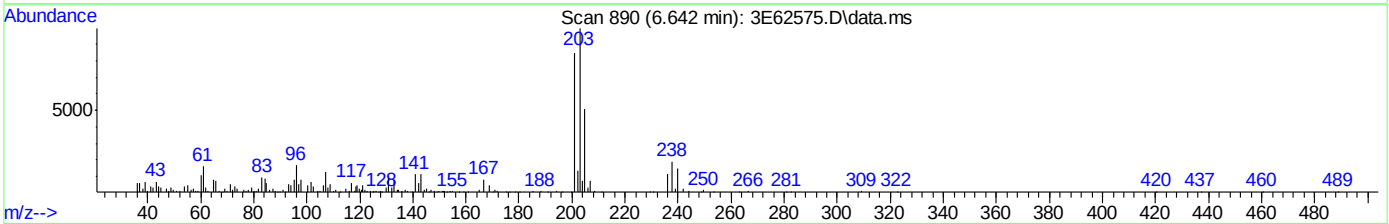
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

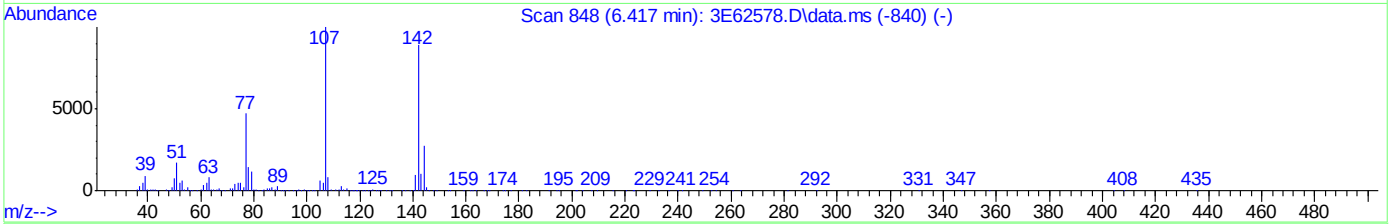
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:56:45 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62575.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.18ppb

response 1766

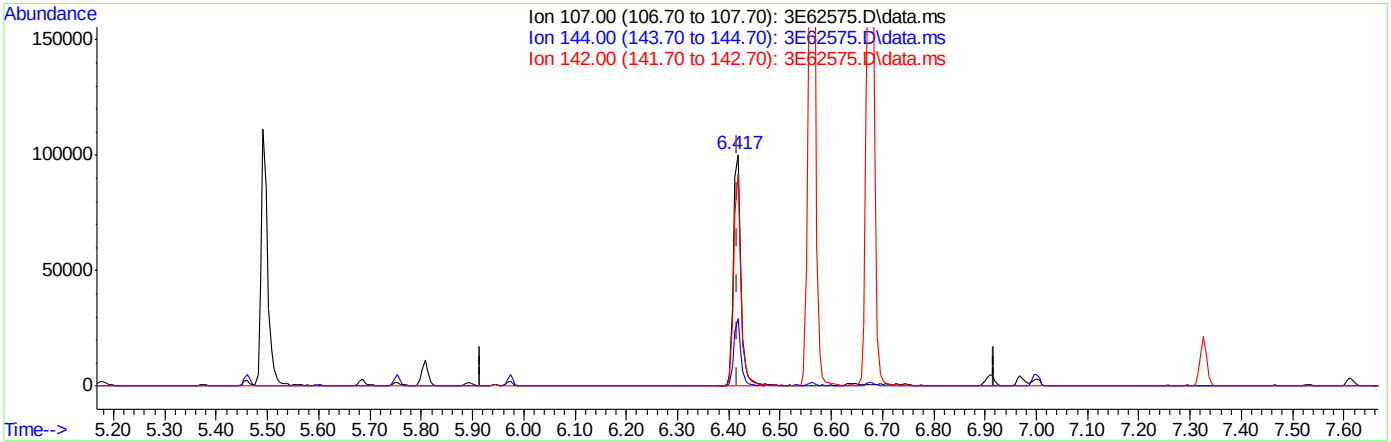
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

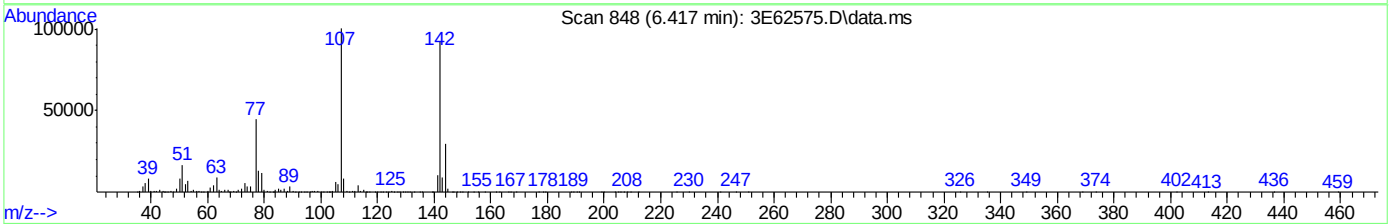
ACCUTEST LABORATORIES JB69534

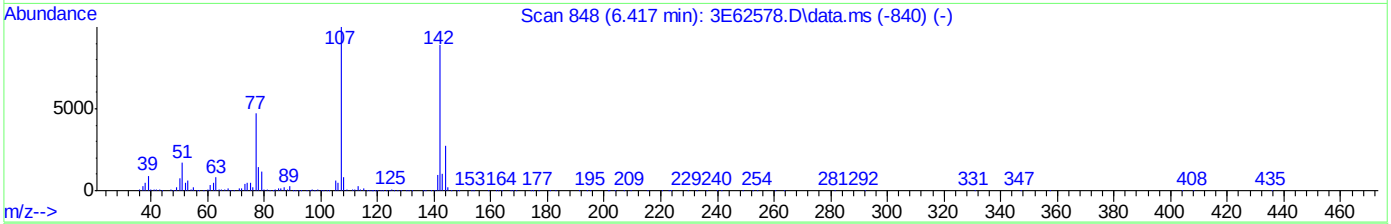
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62575.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.417min (-0.000) 10.97ppb m

response 105633

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	29.18
142.00	0.00	91.53#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	308794	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1181446	40.00	ppb	0.00
47) Acenaphthene-d10	7.882	164	671549	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1068779	40.00	ppb	0.00
83) Chrysene-d12	14.269	240	1001657	40.00	ppb	0.01
92) Perylene-d12	16.387	264	807782	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.716	152	308794	40.00	ppb	0.00
104) Acenaphthene-d10a	7.882	164	671549	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1068779	40.00	ppb	0.00
110) Chrysene-d12a	14.269	240	1001657	40.00	ppb	0.01
112) Naphthalene-d8a	5.807	136	1181446	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	803139	84.81	ppb	0.00
Spiked Amount 50.000			Recovery = 169.62%			
8) Phenol-d5	4.465	99	1006036	84.96	ppb	0.00
Spiked Amount 50.000			Recovery = 169.92%			
25) Nitrobenzene-d5	5.165	82	833435	84.42	ppb	0.00
Spiked Amount 50.000			Recovery = 168.84%			
51) 2-Fluorobiphenyl	7.005	172	1757535	81.71	ppb	0.00
Spiked Amount 50.000			Recovery = 163.42%			
73) 2,4,6-Tribromophenol	9.027	330	195798	85.44	ppb	0.00
Spiked Amount 50.000			Recovery = 170.88%			
85) Terphenyl-d14	12.621	244	1757758	80.24	ppb	0.00
Spiked Amount 50.000			Recovery = 160.48%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.266	88	292763	82.97	ppb	99
3) Pyridine	2.598	79	723356	84.47	ppb	99
4) N-Nitrosodimethylamine	2.566	74	416847	83.87	ppb	98
6) Indene	4.914	116	1550756	84.35	ppb	96
7) Cumene	4.117	105	2046596	81.80	ppb	97
9) Phenol	4.475	94	1086385	83.75	ppb	82
10) Aniline	4.470	93	1024993	67.57	ppb	96
11) bis(2-Chloroethyl)ether	4.513	93	719048	83.22	ppb	98
12) 2-Chlorophenol	4.566	128	931076	82.72	ppb	95
13) Decane	4.588	43	619789	86.50	ppb	96
14) 1,3-Dichlorobenzene	4.673	146	1041507	83.61	ppb	99
15) 1,4-Dichlorobenzene	4.727	146	1050982	83.37	ppb	97
16) Benzyl alcohol	4.834	108	594539	86.00	ppb	97
17) 1,2-Dichlorobenzene	4.850	146	996001	85.35	ppb	98
18) Acetophenone	5.037	105	1244285	85.95	ppb	98
19) 2-Methylphenol	4.930	108	774679	81.70	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.925	121	321935	86.69	ppb	91
21) 3&4-Methylphenol	5.048	108	846316	84.75	ppb	98
22) n-Nitroso-di-n-propyla...	5.037	70	542574	84.22	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	325986	85.47	ppb		98
26) Nitrobenzene	5.181	77	871417	85.89	ppb		97
27) Quinoline	6.192	129	1882660	86.70	ppb		99
28) Isophorone	5.385	82	1444646	83.24	ppb		99
29) 2-Nitrophenol	5.460	139	556126	88.73	ppb		88
30) 2,4-Dimethylphenol	5.497	107	830318	81.96	ppb		98
31) Benzoic acid	5.652	105	728602m	86.93	ppb		
32) bis(2-Chloroethoxy)met...	5.567	93	836309	84.78	ppb		98
33) 2,4-Dichlorophenol	5.690	162	746567	85.82	ppb		98
34) 2,6-Dichlorophenol	5.898	162	752614	86.92	ppb		97
35) 1,3,5-Trichlorobenzene	5.465	180	827339	86.74	ppb		97
36) 1,2,4-Trichlorobenzene	5.754	180	779410	86.24	ppb		100
37) 1,2,3-Trichlorobenzene	5.978	180	781232	87.34	ppb		98
38) Naphthalene	5.829	128	2570511	81.94	ppb		97
39) 4-Chloroaniline	5.893	127	1078630	78.80	ppb		98
40) 2,3-Dichloroaniline	6.904	161	932754	86.02	ppb		97
41) Caprolactam	6.289	55	279494	87.40	ppb		99
42) Hexachlorobutadiene	5.952	225	406072	90.33	ppb		99
43) 4-Chloro-3-methylphenol	6.428	107	784985m	87.65	ppb		
44) 2-Methylnaphthalene	6.567	141	1607085	85.57	ppb		100
45) 1-Methylnaphthalene	6.679	141	1611967	84.70	ppb		99
46) Dimethylnaphthalene	7.332	156	1649324	86.07	ppb		98
48) Hexachlorocyclopentadiene	6.749	237	621030	191.72	ppb		100
49) 2,4,6-Trichlorophenol	6.920	196	497021	87.09	ppb		96
50) 2,4,5-Trichlorophenol	6.979	196	531555	86.12	ppb		99
52) 2-Chloronaphthalene	7.155	162	1661212	85.39	ppb		98
53) Biphenyl	7.134	154	2226568	84.51	ppb		99
54) 2-Nitroaniline	7.305	65	470159	91.61	ppb		96
55) Dimethylphthalate	7.540	163	1792949	83.51	ppb		99
56) Acenaphthylene	7.695	152	2662597	82.49	ppb		97
57) 2,6-Dinitrotoluene	7.626	165	474971	87.37	ppb		96
58) 3-Nitroaniline	7.856	138	544215	88.06	ppb		97
59) Acenaphthene	7.931	153	1707481	84.78	ppb		100
60) 2,4-Dinitrophenol	8.027	184	591655	188.84	ppb		95
61) 4-Nitrophenol	8.161	109	227094	86.00	ppb	#	59
62) Dibenzofuran	8.177	168	2294275	85.27	ppb		98
63) 2,4-Dinitrotoluene	8.198	165	638923	87.06	ppb		94
64) 2,3,4,6-Tetrachlorophenol	8.375	232	401631	88.37	ppb		98
65) Diethylphthalate	8.540	149	1778530	83.62	ppb		99
66) Fluorene	8.663	166	1921143	86.19	ppb		98
67) 4-Chlorophenyl-phenyle...	8.674	204	832412	86.88	ppb		99
68) 4-Nitroaniline	8.744	138	540770	86.24	ppb		97
70) 4,6-Dinitro-2-methylph...	8.802	198	373918	89.96	ppb		97
71) n-Nitrosodiphenylamine	8.861	169	1303450	82.41	ppb		100
72) 1,2-Diphenylhydrazine	8.909	77	1684049	83.68	ppb		98
74) 4-Bromophenyl-phenylether	9.402	248	443813	84.47	ppb		98
75) Hexachlorobenzene	9.498	284	460274	87.25	ppb		96
76) Pentachlorophenol	9.819	266	583318	177.16	ppb		99
77) Phenanthrene	10.108	178	2580159	82.19	ppb		98
78) Anthracene	10.188	178	2626924	80.71	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) Carbazole	10.466	167	2533361	82.44 ppb	98
80) Di-n-butylphthalate	11.065	149	2947296	79.39 ppb	99
81) Fluoranthene	11.974	202	2637262	83.51 ppb	98
82) Octadecane	9.995	57	888519	85.30 ppb	97
84) Pyrene	12.322	202	2752721	80.74 ppb	99
86) Butylbenzylphthalate	13.445	149	1374270	80.87 ppb	98
87) Butyl stearate	13.600	56	610700	56.54 ppb	94
88) Benzo[a]anthracene	14.253	228	2409935	81.63 ppb	98
89) 3,3'-Dichlorobenzidine	14.247	252	920905	83.11 ppb	99
90) Chrysene	14.312	228	2201537	81.02 ppb	98
91) bis(2-Ethylhexyl)phtha...	14.397	149	1926423	79.44 ppb	98
93) Di-n-octylphthalate	15.387	149	3235907	86.07 ppb	98
94) Benzo[b]fluoranthene	15.884	252	2372015	88.28 ppb	99
95) Benzo[k]fluoranthene	15.916	252	2222036	88.54 ppb	97
96) Benzo[a]pyrene	16.317	252	2020557	86.69 ppb	99
97) Indeno[1,2,3-cd]pyrene	17.981	276	2411481	88.57 ppb	99
98) Dibenz(a,h)acridine	17.606	279	1824724	89.41 ppb	98
99) Dibenz[a,h]anthracene	18.007	278	2021555	88.65 ppb	99
100) 7,12-Dimethylbenz(a)an...	15.868	256	1176967	86.48 ppb	98
101) Benzo[g,h,i]perylene	18.435	276	1894765	87.99 ppb	100

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

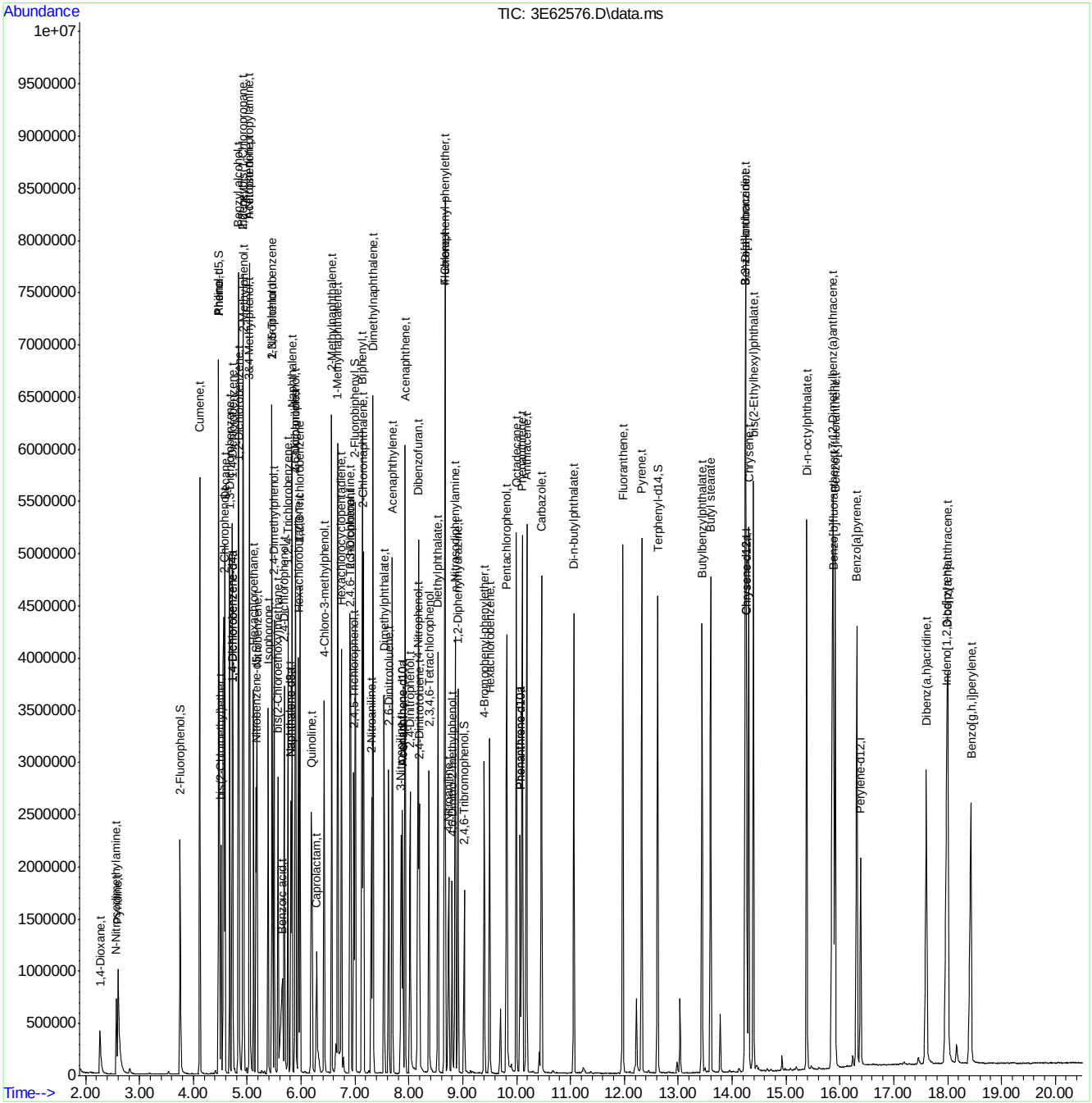
9.6.32

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

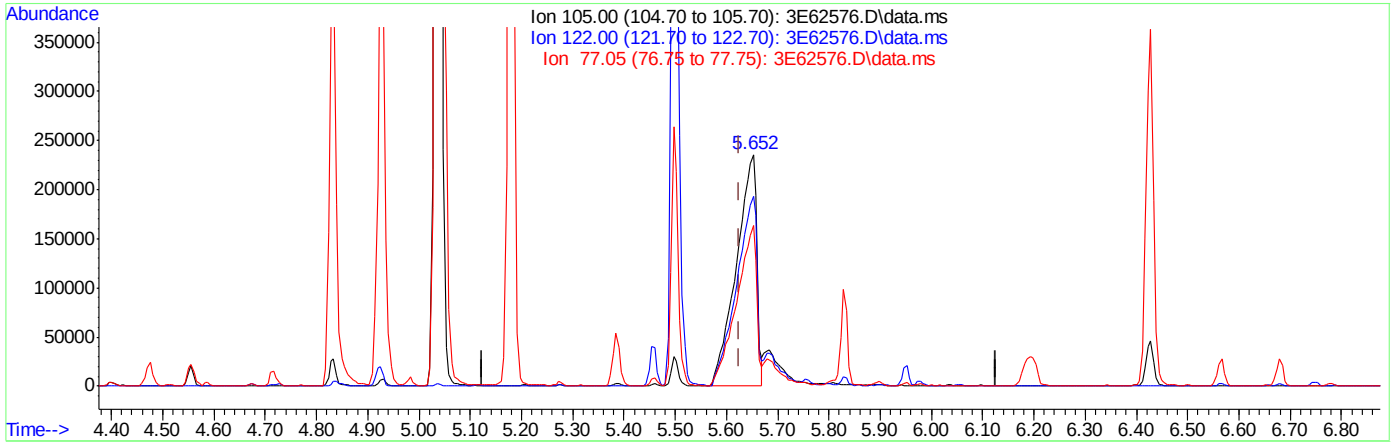
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62576.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 21:55	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

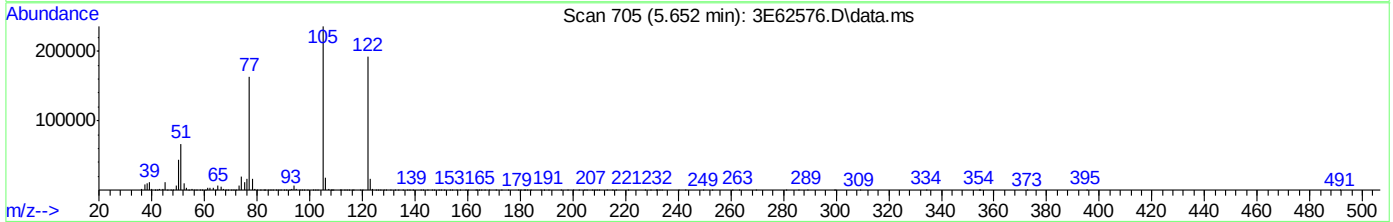
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.65	Poor instrument integration
4-Chloro-3-methyl phenol	59-50-7		6.43	Poor instrument integration

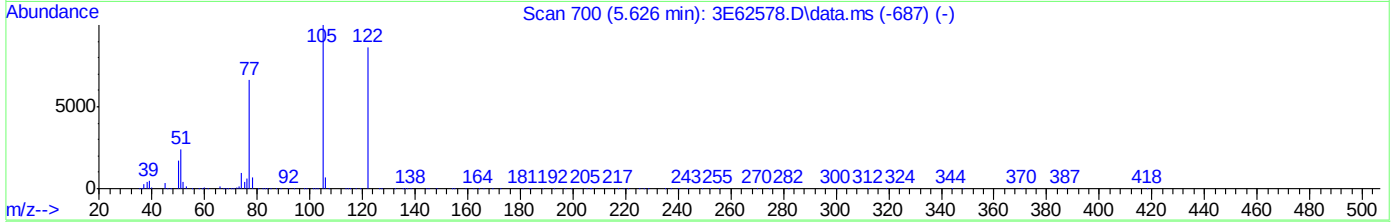
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 08:58:14 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(31) Benzoic acid (t)

5.652min (+0.027) 77.10ppb

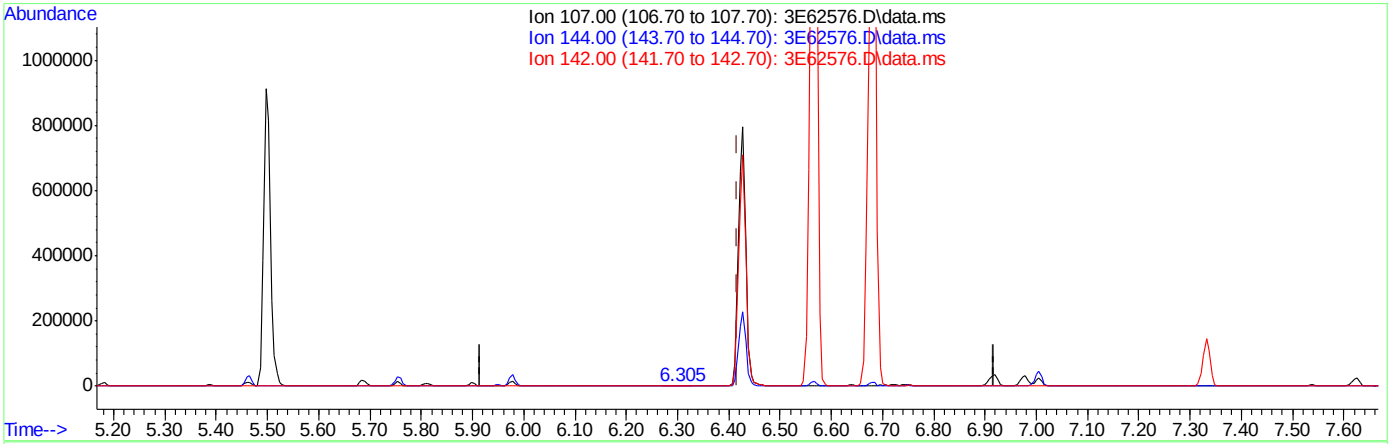
response 646219

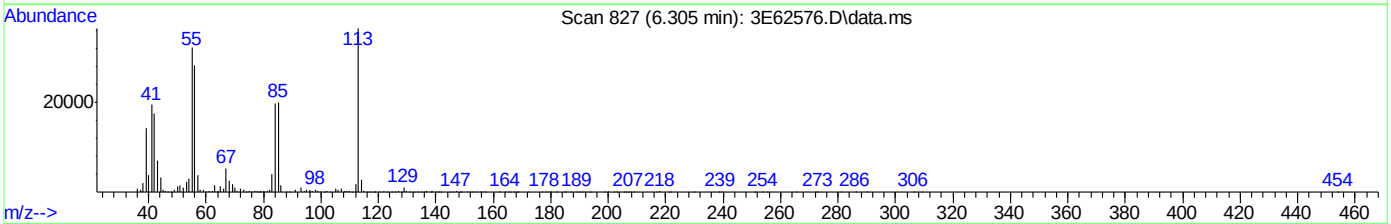
Ion	Exp%	Act%
105.00	100	100
122.00	86.70	81.45
77.05	66.20	69.32
0.00	0.00	0.00

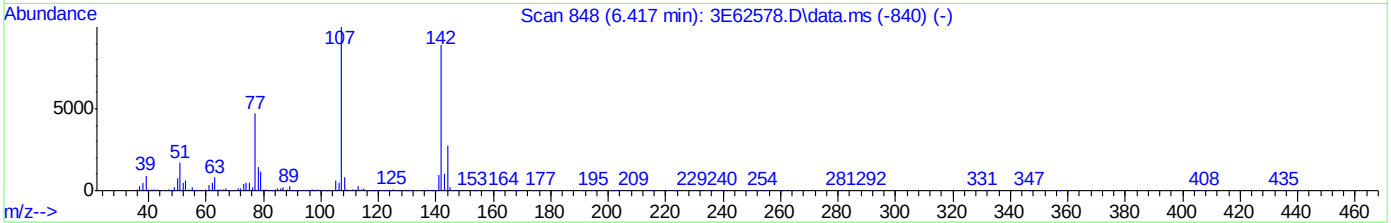
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 08:58:14 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.305min (-0.112) 0.12ppb

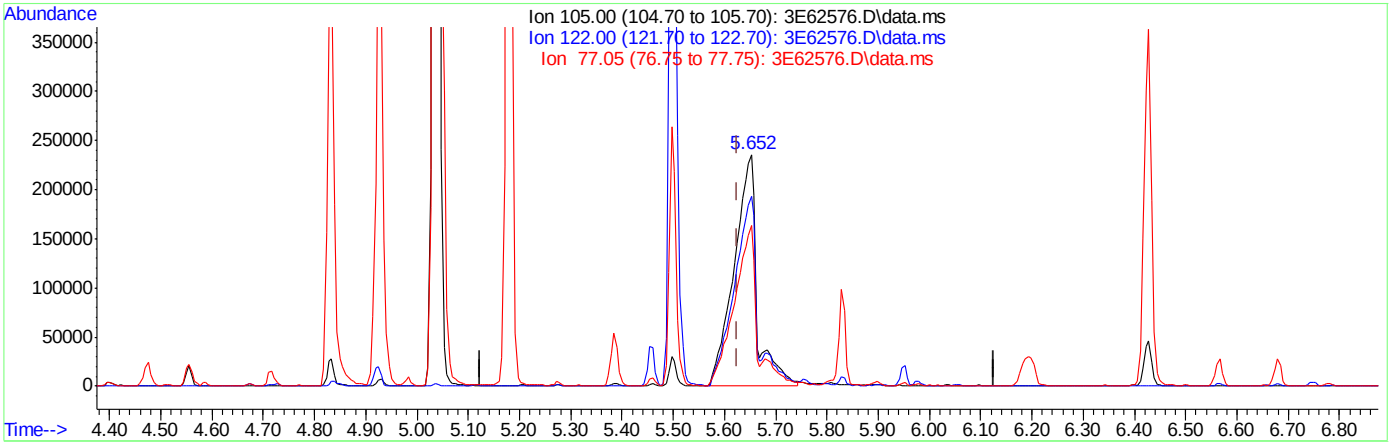
response 1051

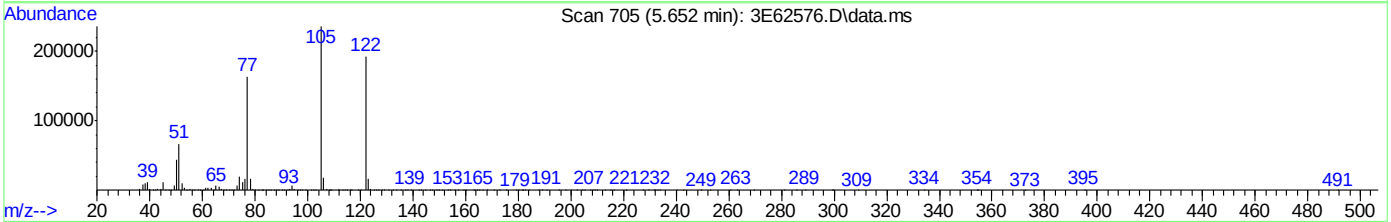
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	8.31
0.00	0.00	0.00

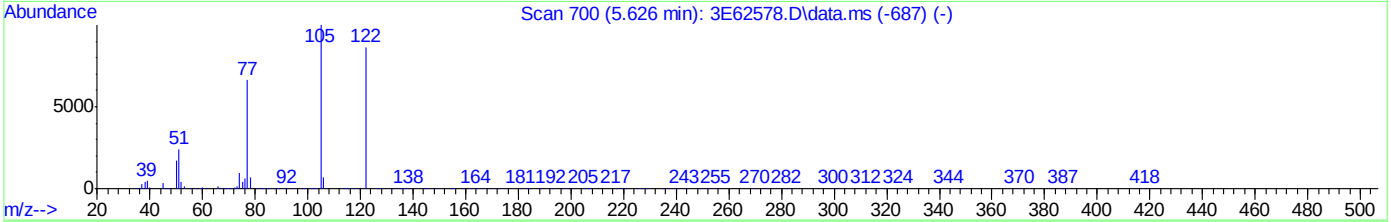
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(31) Benzoic acid (t)

5.652min (+0.027) 86.93ppb m

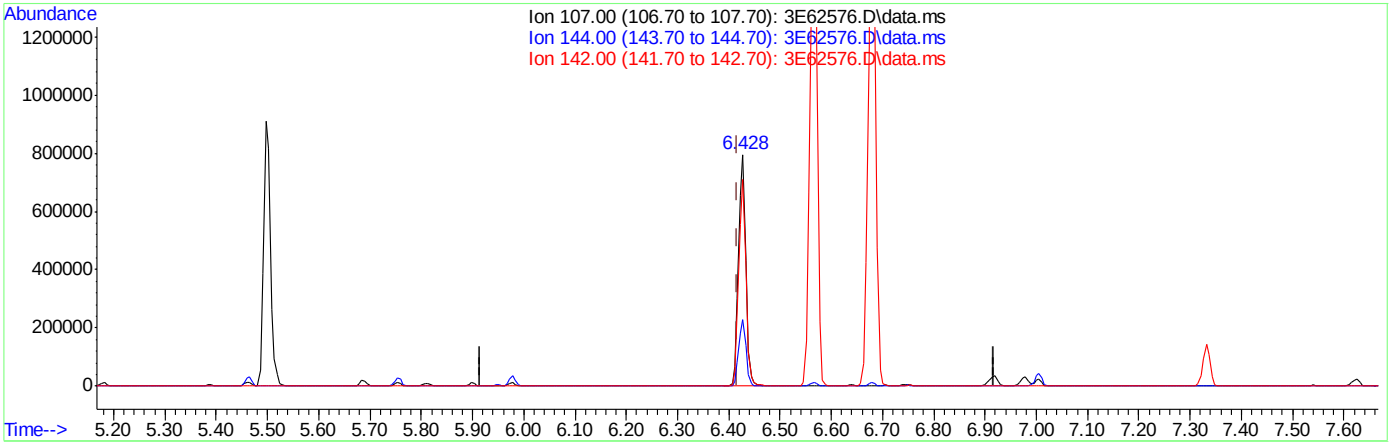
response 728602

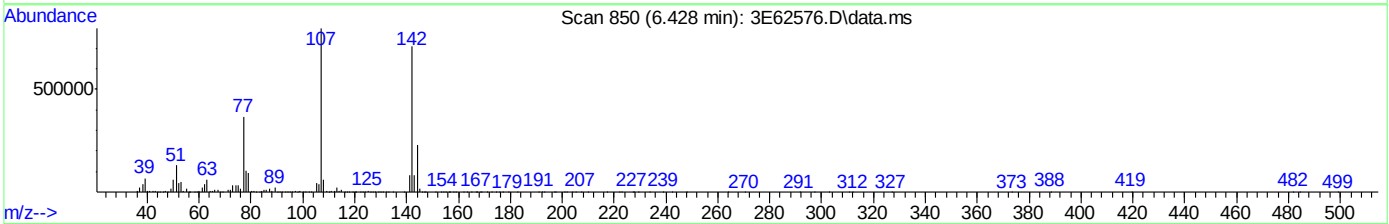
Ion	Exp%	Act%
105.00	100	100
122.00	86.70	81.85
77.05	66.20	69.44
0.00	0.00	0.00

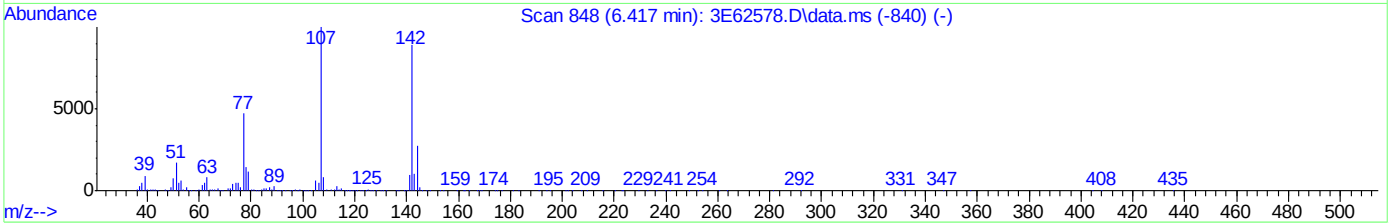
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.428min (+0.011) 87.65ppb m

response 784985

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	28.85
142.00	0.00	89.37#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	328756	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1262557	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	715919	40.00	ppb	0.00
69) Phenanthrene-d10	10.070	188	1112437	40.00	ppb	0.00
83) Chrysene-d12	14.269	240	1077355	40.00	ppb	0.01
92) Perylene-d12	16.392	264	835466	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	4.716	152	328756	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	715919	40.00	ppb	0.00
106) Phenanthrene-d10a	10.070	188	1112437	40.00	ppb	0.00
110) Chrysene-d12a	14.269	240	1077355	40.00	ppb	0.01
112) Naphthalene-d8a	5.807	136	1262557	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	1049503	104.09	ppb	0.00
Spiked Amount 50.000			Recovery =	208.18%		
8) Phenol-d5	4.470	99	1322572	104.91	ppb	0.00
Spiked Amount 50.000			Recovery =	209.82%		
25) Nitrobenzene-d5	5.166	82	1077777	102.15	ppb	0.00
Spiked Amount 50.000			Recovery =	204.30%		
51) 2-Fluorobiphenyl	7.005	172	2251135	98.17	ppb	0.00
Spiked Amount 50.000			Recovery =	196.34%		
73) 2,4,6-Tribromophenol	9.027	330	252556	105.88	ppb	0.00
Spiked Amount 50.000			Recovery =	211.76%		
85) Terphenyl-d14	12.622	244	2261447	95.98	ppb	0.00
Spiked Amount 50.000			Recovery =	191.96%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.261	88	384563	102.37	ppb	96
3) Pyridine	2.598	79	968436	106.23	ppb	97
4) N-Nitrosodimethylamine	2.566	74	534358	100.98	ppb	95
6) Indene	4.914	116	2016339	103.02	ppb	96
7) Cumene	4.117	105	2585882	97.07	ppb	95
9) Phenol	4.481	94	1426487	103.29	ppb #	67
10) Aniline	4.470	93	1309637	81.09	ppb	88
11) bis(2-Chloroethyl)ether	4.518	93	926321	100.70	ppb	99
12) 2-Chlorophenol	4.567	128	1207955	100.80	ppb	93
13) Decane	4.588	43	785705	103.00	ppb	95
14) 1,3-Dichlorobenzene	4.673	146	1347617	101.62	ppb	100
15) 1,4-Dichlorobenzene	4.727	146	1361953	101.48	ppb	97
16) Benzyl alcohol	4.834	108	782018	106.25	ppb	96
17) 1,2-Dichlorobenzene	4.850	146	1274657	102.60	ppb	96
18) Acetophenone	5.043	105	1612535	104.63	ppb	96
19) 2-Methylphenol	4.930	108	1019422	100.98	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.925	121	424855	107.46	ppb	92
21) 3&4-Methylphenol	5.053	108	1114733	104.85	ppb	95
22) n-Nitroso-di-n-propyla...	5.043	70	698959	101.91	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	425079	104.68	ppb		98
26) Nitrobenzene	5.182	77	1115409	102.88	ppb		99
27) Quinoline	6.203	129	2446377	105.43	ppb		100
28) Isophorone	5.390	82	1869939	100.82	ppb		98
29) 2-Nitrophenol	5.460	139	725223	108.27	ppb		93
30) 2,4-Dimethylphenol	5.503	107	1083243	100.06	ppb		97
31) Benzoic acid	5.668	105	923887	103.14	ppb		97
32) bis(2-Chloroethoxy)met...	5.572	93	1093415	103.73	ppb		98
33) 2,4-Dichlorophenol	5.690	162	978889	105.30	ppb		98
34) 2,6-Dichlorophenol	5.904	162	978079	105.70	ppb		99
35) 1,3,5-Trichlorobenzene	5.465	180	1076088	105.57	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	1006642	104.22	ppb		99
37) 1,2,3-Trichlorobenzene	5.979	180	994468	104.04	ppb		99
38) Naphthalene	5.834	128	3272163	97.61	ppb		96
39) 4-Chloroaniline	5.893	127	1396038	95.44	ppb		97
40) 2,3-Dichloroaniline	6.909	161	1213219	104.69	ppb		98
41) Caprolactam	6.299	55	359314	105.14	ppb		97
42) Hexachlorobutadiene	5.952	225	516462	107.50	ppb		98
43) 4-Chloro-3-methylphenol	6.433	107	1010257m	105.56	ppb		
44) 2-Methylnaphthalene	6.567	141	2038334	101.56	ppb		97
45) 1-Methylnaphthalene	6.685	141	2038400	100.22	ppb		96
46) Dimethylnaphthalene	7.337	156	2129320	103.98	ppb		97
48) Hexachlorocyclopentadiene	6.754	237	844585	244.58	ppb		96
49) 2,4,6-Trichlorophenol	6.920	196	646653	106.29	ppb		97
50) 2,4,5-Trichlorophenol	6.979	196	670619	101.92	ppb		99
52) 2-Chloronaphthalene	7.161	162	2113868	101.93	ppb		98
53) Biphenyl	7.134	154	2852012	101.54	ppb		99
54) 2-Nitroaniline	7.310	65	599471	109.57	ppb		94
55) Dimethylphthalate	7.540	163	2284237	99.80	ppb		98
56) Acenaphthylene	7.695	152	3367119	97.85	ppb		96
57) 2,6-Dinitrotoluene	7.631	165	616270	106.33	ppb		99
58) 3-Nitroaniline	7.861	138	710046	107.77	ppb		96
59) Acenaphthene	7.936	153	2160205	100.61	ppb		97
60) 2,4-Dinitrophenol	8.027	184	785497	235.18	ppb		99
61) 4-Nitrophenol	8.166	109	301723	107.18	ppb	#	29
62) Dibenzofuran	8.177	168	2941178	102.54	ppb		96
63) 2,4-Dinitrotoluene	8.204	165	814610	104.12	ppb		93
64) 2,3,4,6-Tetrachlorophenol	8.375	232	524617	108.28	ppb		98
65) Diethylphthalate	8.546	149	2269644	100.09	ppb		98
66) Fluorene	8.669	166	2443262	102.83	ppb		98
67) 4-Chlorophenyl-phenyle...	8.674	204	1072712	105.02	ppb		98
68) 4-Nitroaniline	8.749	138	701824	104.98	ppb		99
70) 4,6-Dinitro-2-methylph...	8.808	198	488067	112.82	ppb		92
71) n-Nitrosodiphenylamine	8.867	169	1653105	100.41	ppb		100
72) 1,2-Diphenylhydrazine	8.915	77	2136596	102.00	ppb		95
74) 4-Bromophenyl-phenylether	9.402	248	571869	104.57	ppb		98
75) Hexachlorobenzene	9.503	284	578441	105.35	ppb		99
76) Pentachlorophenol	9.824	266	763936	222.91	ppb		98
77) Phenanthrene	10.108	178	3280771	100.40	ppb		96
78) Anthracene	10.188	178	3299286	97.38	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
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Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.466	167	3207739	100.29	ppb	98
80) Di-n-butylphthalate	11.065	149	3757005	97.23	ppb	98
81) Fluoranthene	11.974	202	3377611	102.75	ppb	96
82) Octadecane	9.995	57	1122590	103.54	ppb	97
84) Pyrene	12.327	202	3465071	94.49	ppb	98
86) Butylbenzylphthalate	13.445	149	1770541	96.86	ppb	98
87) Butyl stearate	13.606	56	789921	68.00	ppb	98
88) Benzo[a]anthracene	14.253	228	3108068	97.88	ppb	97
89) 3,3'-Dichlorobenzidine	14.253	252	1205402	101.14	ppb	98
90) Chrysene	14.317	228	2781483	95.17	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.397	149	2486947	95.35	ppb	99
93) Di-n-octylphthalate	15.387	149	4100771	105.46	ppb	96
94) Benzo[b]fluoranthene	15.890	252	3051941	109.82	ppb	98
95) Benzo[k]fluoranthene	15.927	252	2784584	107.28	ppb	98
96) Benzo[a]pyrene	16.323	252	2541826	105.44	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.992	276	3084413	109.53	ppb	96
98) Dibenz(a,h)acridine	17.612	279	2337769	110.75	ppb	100
99) Dibenz[a,h]anthracene	18.018	278	2586384	109.65	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.868	256	1528861	108.62	ppb	99
101) Benzo[g,h,i]perylene	18.446	276	2411263	108.26	ppb	98

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

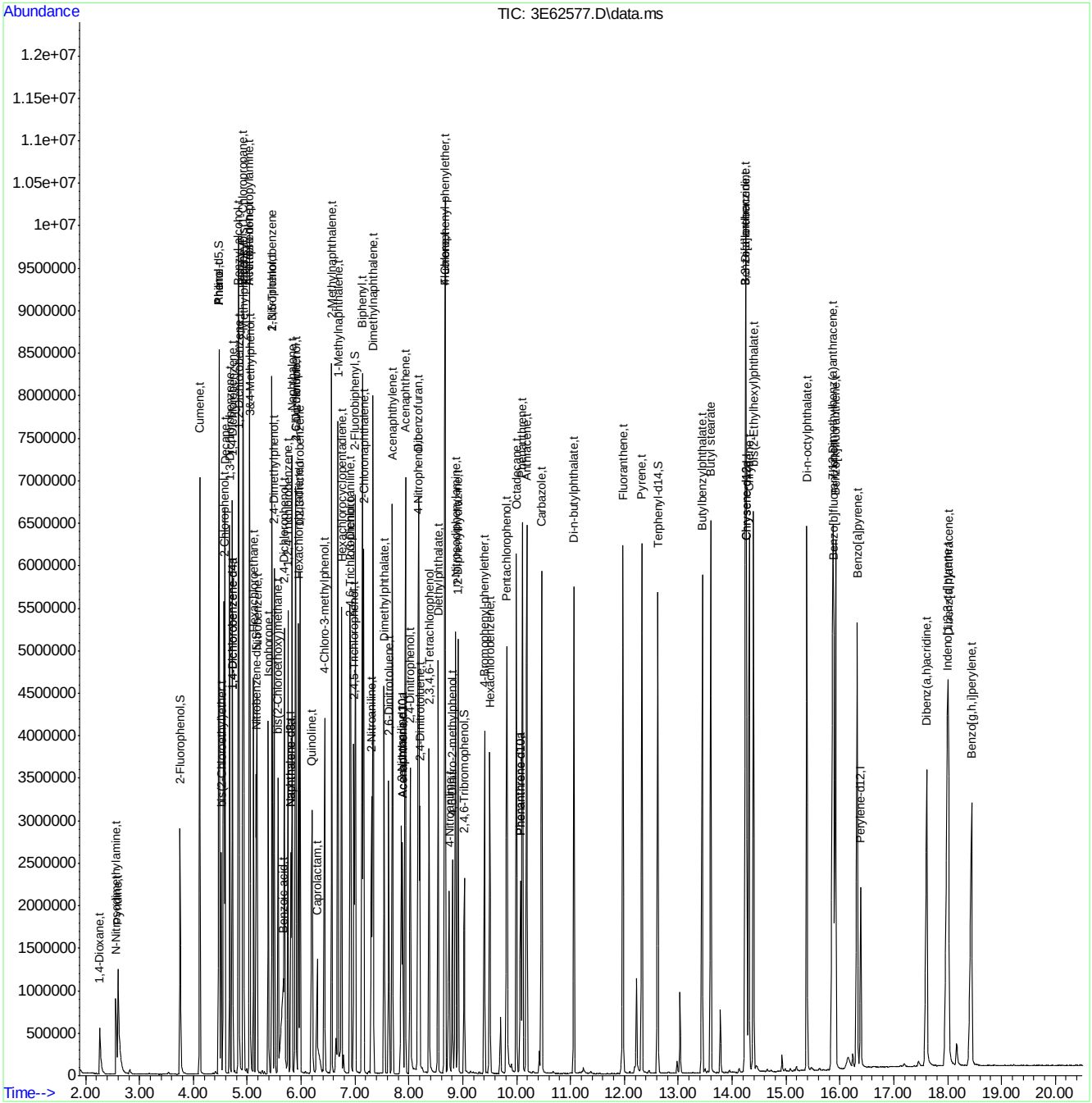
9.6.33

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

9.6.33 9

Manual Integration Approval Summary

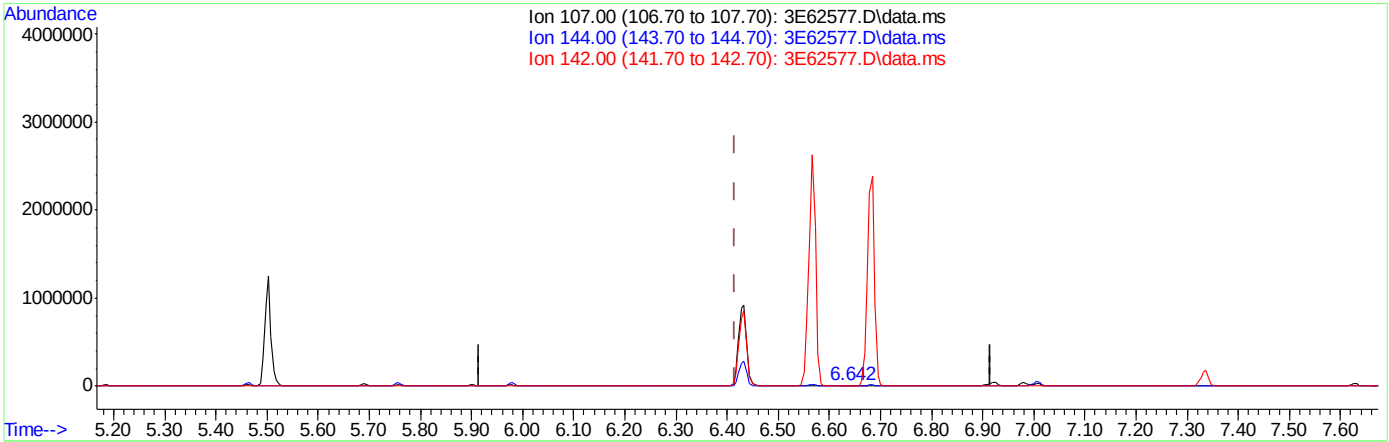
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62577.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 22:22	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

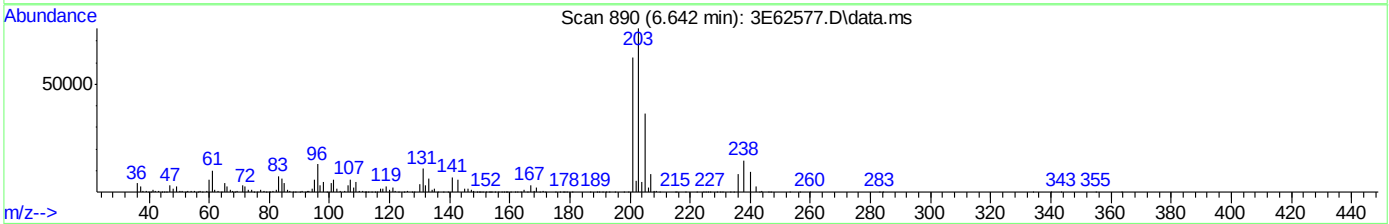
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.43	Poor instrument integration

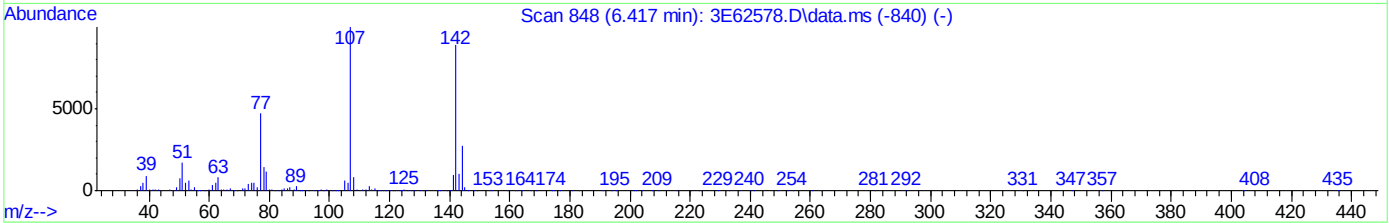
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:01:15 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62577.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.92ppb

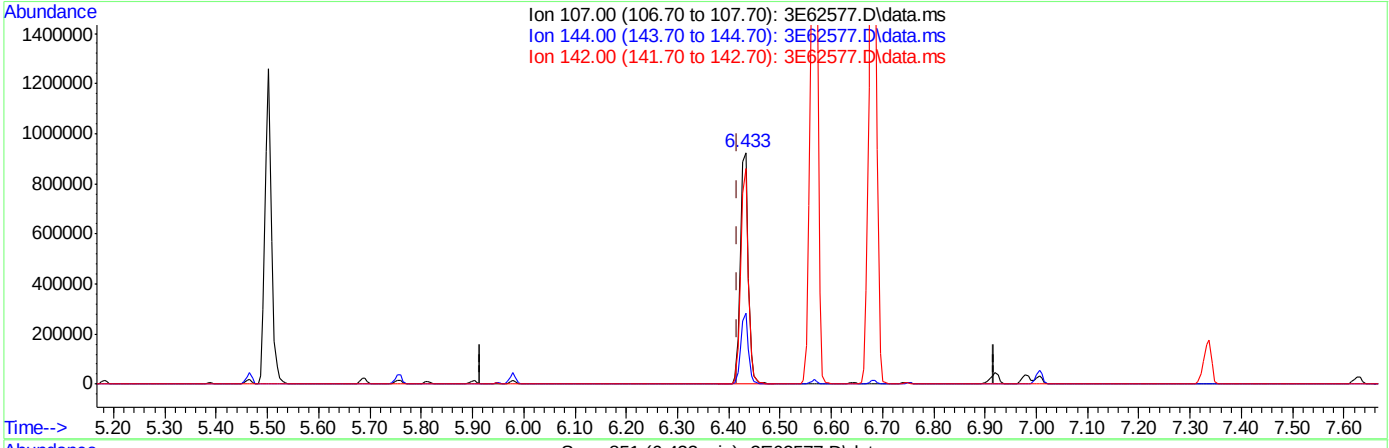
response 8843

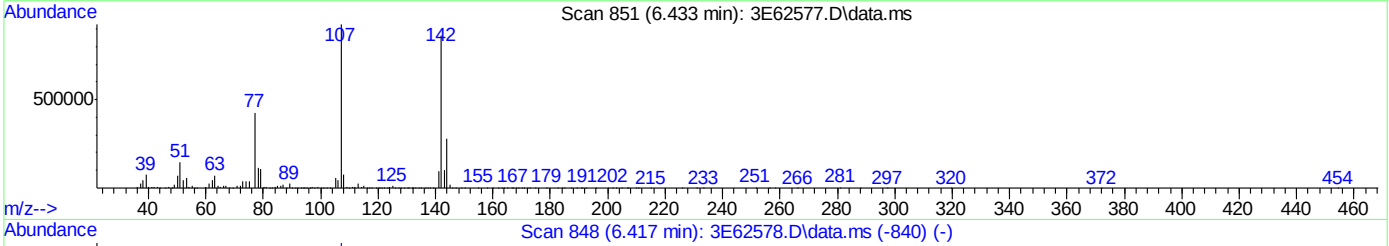
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

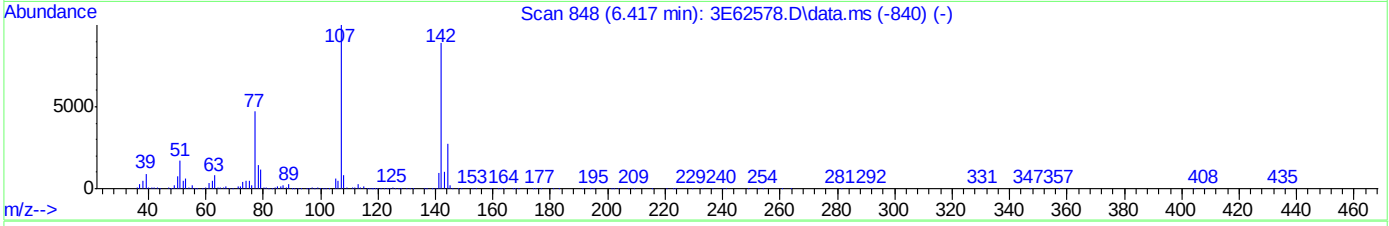
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62577.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.433min (+0.016) 105.56ppb m

response 1010257

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	30.46
142.00	0.00	92.84#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	262537	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1000061	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	560353	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	865384	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	783964	40.00	ppb	0.00
92) Perylene-d12	16.382	264	690697	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	262537	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	560353	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	865384	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	783964	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1000061	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	402571	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
8) Phenol-d5	4.465	99	503390	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
25) Nitrobenzene-d5	5.160	82	417846	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
51) 2-Fluorobiphenyl	7.000	172	897416	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
73) 2,4,6-Tribromophenol	9.022	330	92780	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
85) Terphenyl-d14	12.616	244	857227	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.267	88	150000	50.00	ppb	100
3) Pyridine	2.604	79	364015	50.00	ppb	100
4) N-Nitrosodimethylamine	2.566	74	211282	50.00	ppb	100
6) Indene	4.914	116	781510	50.00	ppb	100
7) Cumene	4.117	105	1063630	50.00	ppb	100
9) Phenol	4.470	94	551441	50.00	ppb	100
10) Aniline	4.470	93	644864	50.00	ppb	100
11) bis(2-Chloroethyl)ether	4.513	93	367306	50.00	ppb	100
12) 2-Chlorophenol	4.567	128	478472	50.00	ppb	100
13) Decane	4.583	43	304592	50.00	ppb	100
14) 1,3-Dichlorobenzene	4.673	146	529527	50.00	ppb	100
15) 1,4-Dichlorobenzene	4.727	146	535877	50.00	ppb	100
16) Benzyl alcohol	4.829	108	293880	50.00	ppb	100
17) 1,2-Dichlorobenzene	4.845	146	496054	50.00	ppb	100
18) Acetophenone	5.032	105	615376	50.00	ppb	100
19) 2-Methylphenol	4.925	108	403092	50.00	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.920	121	157863	50.00	ppb	100
21) 3&4-Methylphenol	5.048	108	424531	50.00	ppb	100
22) n-Nitroso-di-n-propyla...	5.032	70	273854	50.00	ppb	100

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.117	201	162135	50.00	ppb	100
26) Nitrobenzene	5.176	77	429390	50.00	ppb	100
27) Quinoline	6.176	129	918994	50.00	ppb	100
28) Isophorone	5.380	82	734547	50.00	ppb	100
29) 2-Nitrophenol	5.454	139	265272	50.00	ppb	100
30) 2,4-Dimethylphenol	5.497	107	428764	50.00	ppb	100
31) Benzoic acid	5.626	105	354754	50.00	ppb	100
32) bis(2-Chloroethoxy)met...	5.567	93	417479	50.00	ppb	100
33) 2,4-Dichlorophenol	5.684	162	368184	50.00	ppb	100
34) 2,6-Dichlorophenol	5.898	162	366477	50.00	ppb	100
35) 1,3,5-Trichlorobenzene	5.460	180	403678	50.00	ppb	100
36) 1,2,4-Trichlorobenzene	5.754	180	382522	50.00	ppb	100
37) 1,2,3-Trichlorobenzene	5.973	180	378557	50.00	ppb	100
38) Naphthalene	5.829	128	1327656	50.00	ppb	100
39) 4-Chloroaniline	5.888	127	579314	50.00	ppb	100
40) 2,3-Dichloroaniline	6.904	161	458960	50.00	ppb	100
41) Caprolactam	6.267	55	135345	50.00	ppb	100
42) Hexachlorobutadiene	5.946	225	190271	50.00	ppb	100
43) 4-Chloro-3-methylphenol	6.417	107	379036	50.00	ppb	100
44) 2-Methylnaphthalene	6.562	141	794869	50.00	ppb	100
45) 1-Methylnaphthalene	6.679	141	805493	50.00	ppb	100
46) Dimethylnaphthalene	7.326	156	811060	50.00	ppb	100
48) Hexachlorocyclopentadiene	6.749	237	270285	100.00	ppb	100
49) 2,4,6-Trichlorophenol	6.915	196	238091	50.00	ppb	100
50) 2,4,5-Trichlorophenol	6.973	196	257499	50.00	ppb	100
52) 2-Chloronaphthalene	7.150	162	811617	50.00	ppb	100
53) Biphenyl	7.128	154	1099230	50.00	ppb	100
54) 2-Nitroaniline	7.294	65	214120	50.00	ppb	100
55) Dimethylphthalate	7.535	163	895761	50.00	ppb	100
56) Acenaphthylene	7.690	152	1346727	50.00	ppb	100
57) 2,6-Dinitrotoluene	7.621	165	226819	50.00	ppb	100
58) 3-Nitroaniline	7.851	138	257841	50.00	ppb	100
59) Acenaphthene	7.925	153	840280	50.00	ppb	100
60) 2,4-Dinitrophenol	8.016	184	261425	100.00	ppb	100
61) 4-Nitrophenol	8.150	109	110166	50.00	ppb	100
62) Dibenzofuran	8.171	168	1122512	50.00	ppb	100
63) 2,4-Dinitrotoluene	8.188	165	306191	50.00	ppb	100
64) 2,3,4,6-Tetrachlorophenol	8.369	232	189614	50.00	ppb	100
65) Diethylphthalate	8.530	149	887402	50.00	ppb	100
66) Fluorene	8.658	166	929896	50.00	ppb	100
67) 4-Chlorophenyl-phenyle...	8.669	204	399744	50.00	ppb	100
68) 4-Nitroaniline	8.728	138	261619	50.00	ppb	100
70) 4,6-Dinitro-2-methylph...	8.792	198	168273	50.00	ppb	100
71) n-Nitrosodiphenylamine	8.856	169	640366	50.00	ppb	100
72) 1,2-Diphenylhydrazine	8.904	77	814769	50.00	ppb	100
74) 4-Bromophenyl-phenylether	9.396	248	212707	50.00	ppb	100
75) Hexachlorobenzene	9.493	284	213567	50.00	ppb	100
76) Pentachlorophenol	9.814	266	266600	100.00	ppb	100
77) Phenanthrene	10.102	178	1270940	50.00	ppb	100
78) Anthracene	10.177	178	1317750	50.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

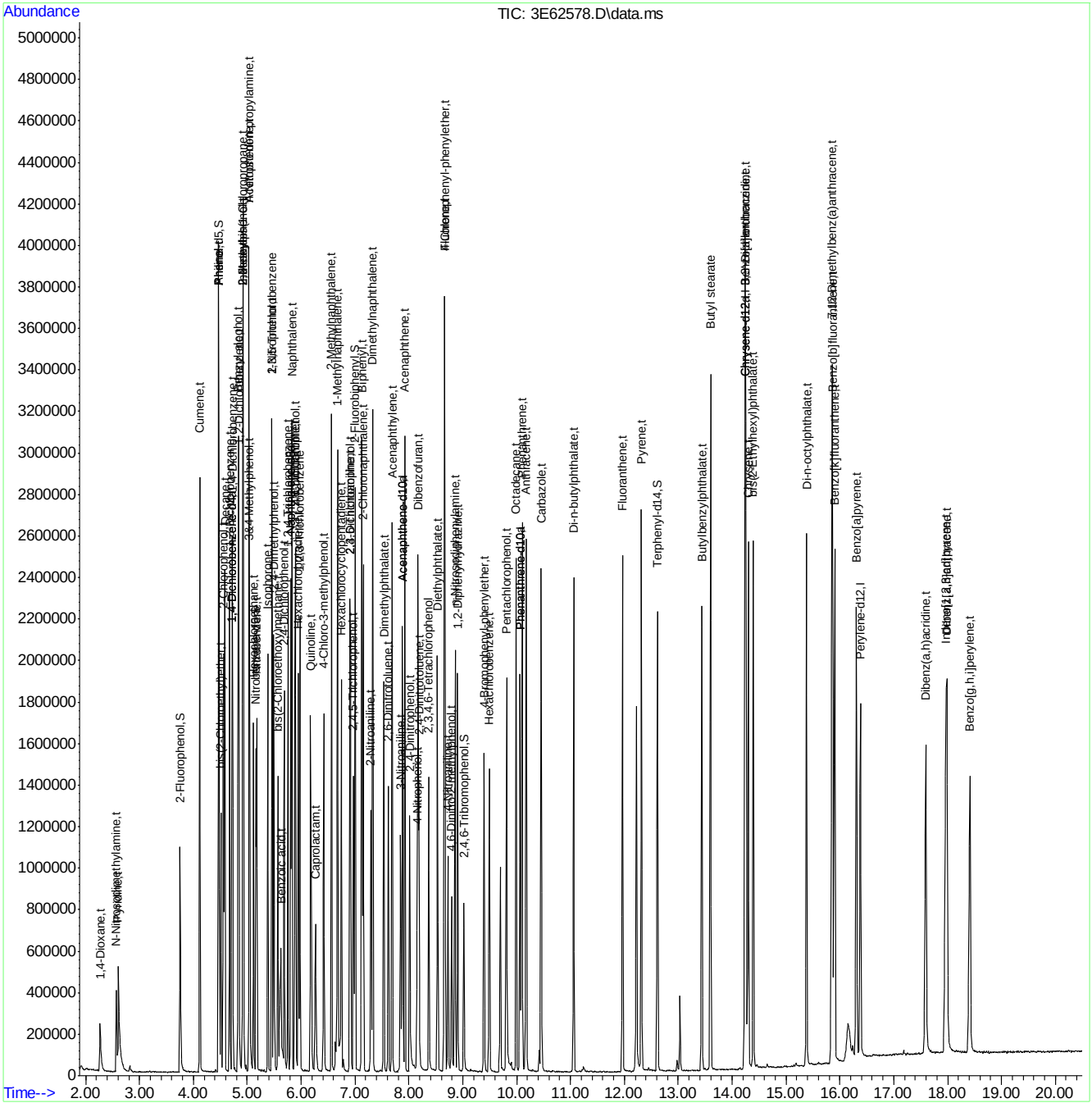
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	1244049	50.00	ppb	100
80) Di-n-butylphthalate	11.060	149	1503019	50.00	ppb	100
81) Fluoranthene	11.969	202	1278554	50.00	ppb	100
82) Octadecane	9.990	57	421729	50.00	ppb	100
84) Pyrene	12.317	202	1334265	50.00	ppb	100
86) Butylbenzylphthalate	13.440	149	665047	50.00	ppb	100
87) Butyl stearate	13.600	56	422657	50.00	ppb	100
88) Benzo[a]anthracene	14.248	228	1155326	50.00	ppb	100
89) 3,3'-Dichlorobenzidine	14.242	252	433623	50.00	ppb	100
90) Chrysene	14.301	228	1063359	50.00	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.392	149	948939	50.00	ppb	100
93) Di-n-octylphthalate	15.381	149	1607370	50.00	ppb	100
94) Benzo[b]fluoranthene	15.868	252	1148694	50.00	ppb	100
95) Benzo[k]fluoranthene	15.906	252	1072959	50.00	ppb	100
96) Benzo[a]pyrene	16.307	252	996512	50.00	ppb	100
97) Indeno[1,2,3-cd]pyrene	17.965	276	1164074	50.00	ppb	100
98) Dibenz(a,h)acridine	17.596	279	872565	50.00	ppb	100
99) Dibenz[a,h]anthracene	17.992	278	974977	50.00	ppb	100
100) 7,12-Dimethylbenz(a)an...	15.857	256	581832	50.00	ppb	100
101) Benzo[g,h,i]perylene	18.419	276	920668	50.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	260172	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	973775	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	543114	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	837128	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	767739	40.00	ppb	0.00
92) Perylene-d12	16.382	264	684735	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	260172	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	543114	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	837128	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	767739	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	973775	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	201075	25.20	ppb	0.00
Spiked Amount 50.000			Recovery =	50.40%		
8) Phenol-d5	4.459	99	256955	25.75	ppb	0.00
Spiked Amount 50.000			Recovery =	51.50%		
25) Nitrobenzene-d5	5.160	82	218035	26.79	ppb	0.00
Spiked Amount 50.000			Recovery =	53.58%		
51) 2-Fluorobiphenyl	7.000	172	453795	26.09	ppb	0.00
Spiked Amount 50.000			Recovery =	52.18%		
73) 2,4,6-Tribromophenol	9.022	330	47429	26.42	ppb	0.00
Spiked Amount 50.000			Recovery =	52.84%		
85) Terphenyl-d14	12.611	244	431513	25.70	ppb	0.00
Spiked Amount 50.000			Recovery =	51.40%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.272	88	78050	26.25	ppb	97
3) Pyridine	2.614	79	194944	27.02	ppb	93
4) N-Nitrosodimethylamine	2.571	74	106978	25.55	ppb	100
6) Indene	4.914	116	400230	25.84	ppb	100
7) Cumene	4.117	105	550797	26.13	ppb	100
9) Phenol	4.470	94	276271	25.28	ppb	94
10) Aniline	4.470	93	326617	25.55	ppb	99
11) bis(2-Chloroethyl)ether	4.513	93	189171	25.99	ppb	98
12) 2-Chlorophenol	4.566	128	242461	25.57	ppb	100
13) Decane	4.582	43	155953	25.83	ppb	98
14) 1,3-Dichlorobenzene	4.673	146	270524	25.78	ppb	96
15) 1,4-Dichlorobenzene	4.727	146	268878	25.32	ppb	98
16) Benzyl alcohol	4.829	108	145185	24.93	ppb	93
17) 1,2-Dichlorobenzene	4.845	146	256111	26.05	ppb	98
18) Acetophenone	5.032	105	312175	25.60	ppb	98
19) 2-Methylphenol	4.925	108	206366	25.83	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.919	121	81324	25.99	ppb	93
21) 3&4-Methylphenol	5.048	108	221653	26.34	ppb	95
22) n-Nitroso-di-n-propyla...	5.026	70	137376	25.31	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	83697	26.05	ppb		96
26) Nitrobenzene	5.176	77	216279	25.86	ppb		98
27) Quinoline	6.176	129	468510	26.18	ppb		98
28) Isophorone	5.374	82	372952	26.07	ppb		98
29) 2-Nitrophenol	5.454	139	132549	25.66	ppb		90
30) 2,4-Dimethylphenol	5.492	107	217211	26.01	ppb		99
31) Benzoic acid	5.604	105	170882	24.73	ppb		95
32) bis(2-Chloroethoxy)met...	5.561	93	213789	26.30	ppb		98
33) 2,4-Dichlorophenol	5.684	162	185201	25.83	ppb		99
34) 2,6-Dichlorophenol	5.893	162	187298	26.24	ppb		95
35) 1,3,5-Trichlorobenzene	5.460	180	206669	26.29	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	190699	25.60	ppb		98
37) 1,2,3-Trichlorobenzene	5.973	180	192820	26.16	ppb		99
38) Naphthalene	5.829	128	679796	26.29	ppb		99
39) 4-Chloroaniline	5.882	127	294456	26.10	ppb		97
40) 2,3-Dichloroaniline	6.904	161	228909	25.61	ppb		99
41) Caprolactam	6.246	55	67716	25.69	ppb		98
42) Hexachlorobutadiene	5.946	225	98958	26.71	ppb		99
43) 4-Chloro-3-methylphenol	6.417	107	192633m	26.10	ppb		
44) 2-Methylnaphthalene	6.561	141	402361	25.99	ppb		99
45) 1-Methylnaphthalene	6.674	141	405421	25.85	ppb		99
46) Dimethylnaphthalene	7.326	156	412661	26.13	ppb		97
48) Hexachlorocyclopentadiene	6.749	237	112684	43.01	ppb		97
49) 2,4,6-Trichlorophenol	6.915	196	118186	25.61	ppb		98
50) 2,4,5-Trichlorophenol	6.968	196	130300	26.10	ppb		97
52) 2-Chloronaphthalene	7.150	162	410015	26.06	ppb		100
53) Biphenyl	7.123	154	560056	26.28	ppb		99
54) 2-Nitroaniline	7.294	65	114262	27.53	ppb		97
55) Dimethylphthalate	7.530	163	459895	26.49	ppb		100
56) Acenaphthylene	7.685	152	679636	26.03	ppb		100
57) 2,6-Dinitrotoluene	7.615	165	112741	25.64	ppb		96
58) 3-Nitroaniline	7.845	138	130117	26.03	ppb		94
59) Acenaphthene	7.925	153	417761	25.65	ppb		95
60) 2,4-Dinitrophenol	8.011	184	114402	45.15	ppb		97
61) 4-Nitrophenol	8.155	109	53992	25.28	ppb	#	22
62) Dibenzofuran	8.166	168	578992	26.61	ppb		97
63) 2,4-Dinitrotoluene	8.187	165	150608	25.37	ppb		92
64) 2,3,4,6-Tetrachlorophenol	8.369	232	94254	25.64	ppb		97
65) Diethylphthalate	8.530	149	451413	26.24	ppb		99
66) Fluorene	8.658	166	471332	26.15	ppb		99
67) 4-Chlorophenyl-phenyle...	8.669	204	203516	26.26	ppb		97
68) 4-Nitroaniline	8.722	138	125410	24.73	ppb		96
70) 4,6-Dinitro-2-methylph...	8.787	198	77951	23.94	ppb	#	83
71) n-Nitrosodiphenylamine	8.851	169	324264	26.17	ppb		100
72) 1,2-Diphenylhydrazine	8.904	77	413682	26.24	ppb		96
74) 4-Bromophenyl-phenylether	9.391	248	106637	25.91	ppb		96
75) Hexachlorobenzene	9.493	284	108784	26.33	ppb		98
76) Pentachlorophenol	9.808	266	125043	48.49	ppb		98
77) Phenanthrene	10.097	178	648952	26.39	ppb		99
78) Anthracene	10.177	178	673411	26.41	ppb		98

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	633965	26.34	ppb	98
80) Di-n-butylphthalate	11.060	149	754356	25.94	ppb	99
81) Fluoranthene	11.964	202	649291	26.25	ppb	99
82) Octadecane	9.990	57	216925	26.59	ppb	99
84) Pyrene	12.317	202	690688	26.43	ppb	98
86) Butylbenzylphthalate	13.434	149	328749	25.24	ppb	98
87) Butyl stearate	13.595	56	211958	25.60	ppb	94
88) Benzo[a]anthracene	14.242	228	589009	26.03	ppb	97
89) 3,3'-Dichlorobenzidine	14.237	252	215655	25.39	ppb	97
90) Chrysene	14.296	228	546913	26.26	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.392	149	472704	25.43	ppb	97
93) Di-n-octylphthalate	15.376	149	801927	25.16	ppb	99
94) Benzo[b]fluoranthene	15.863	252	583653	25.63	ppb	97
95) Benzo[k]fluoranthene	15.895	252	551726	25.93	ppb	99
96) Benzo[a]pyrene	16.307	252	515020	26.07	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.954	276	594845	25.77	ppb	98
98) Dibenz(a,h)acridine	17.590	279	445904	25.77	ppb	99
99) Dibenz[a,h]anthracene	17.981	278	493047	25.51	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.847	256	291490	25.27	ppb	97
101) Benzo[g,h,i]perylene	18.403	276	471102	25.81	ppb	98

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

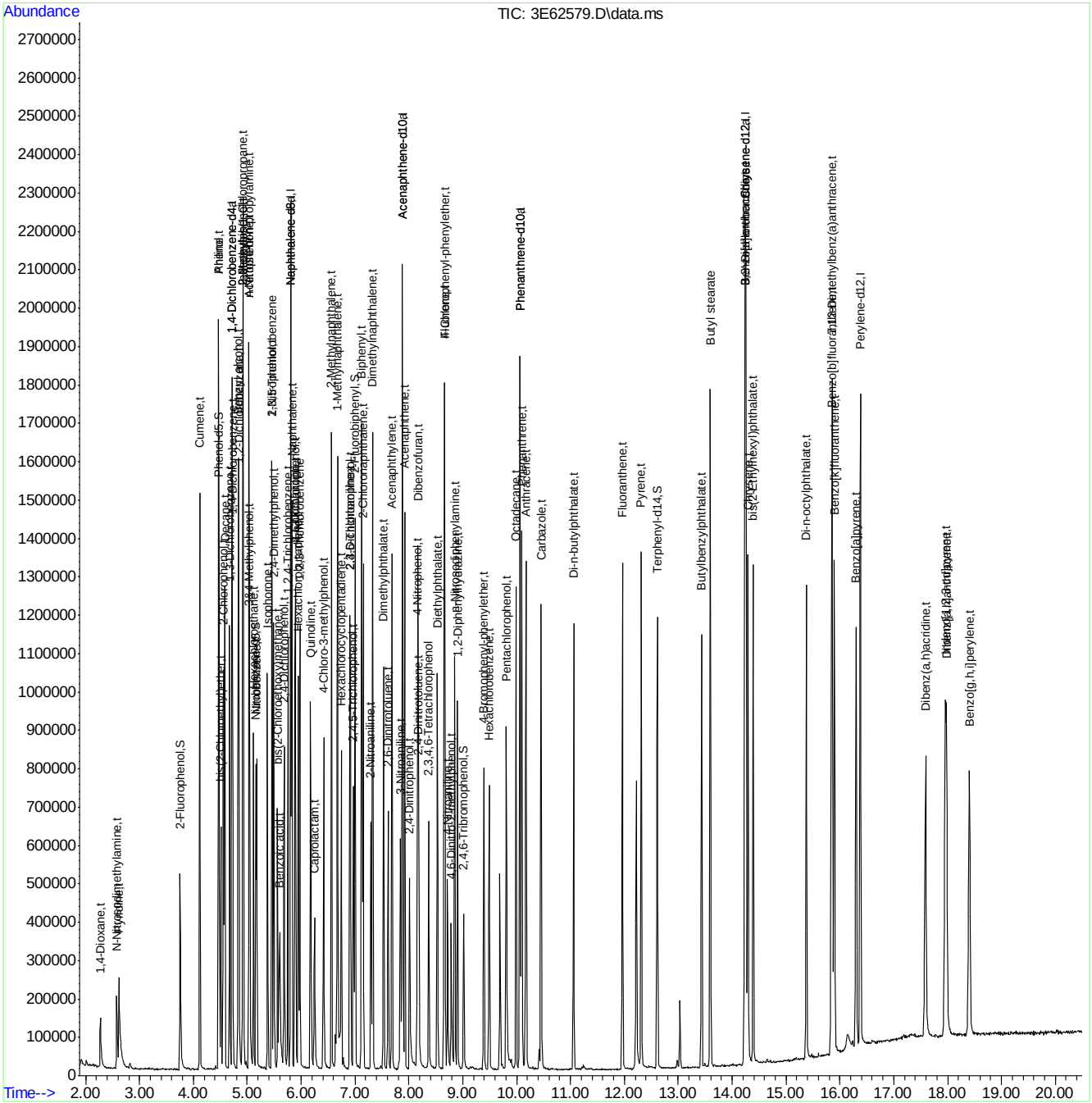
9.6.35

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



Manual Integration Approval Summary

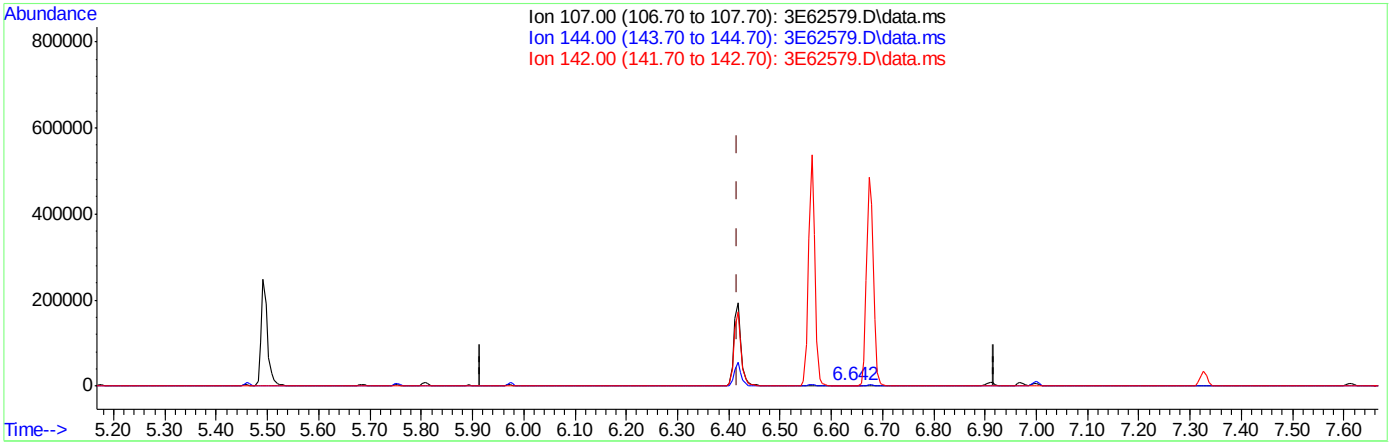
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62579.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 23:16	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

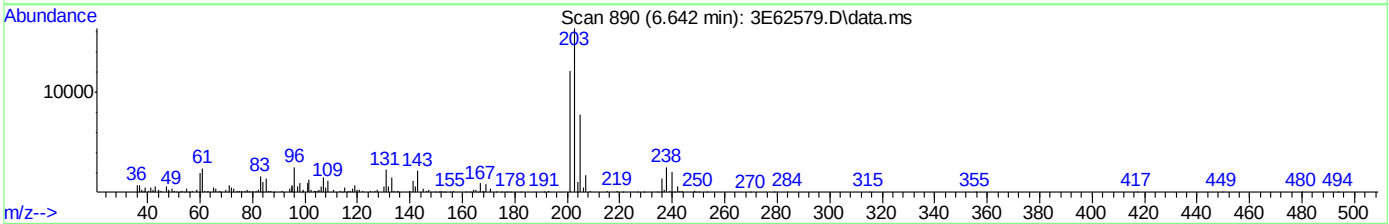
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

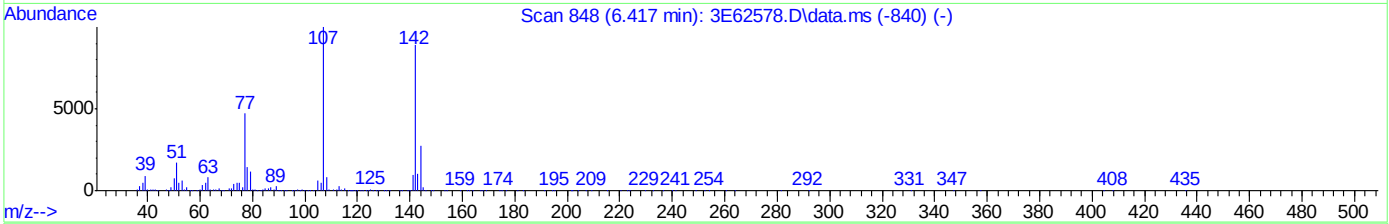
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 08:50:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62579.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.33ppb

response 2429

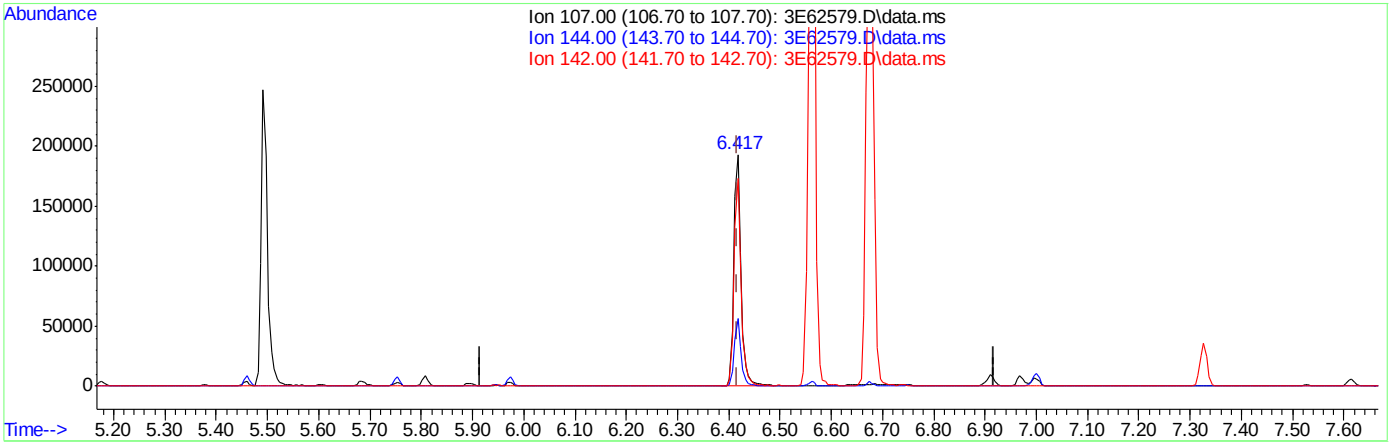
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

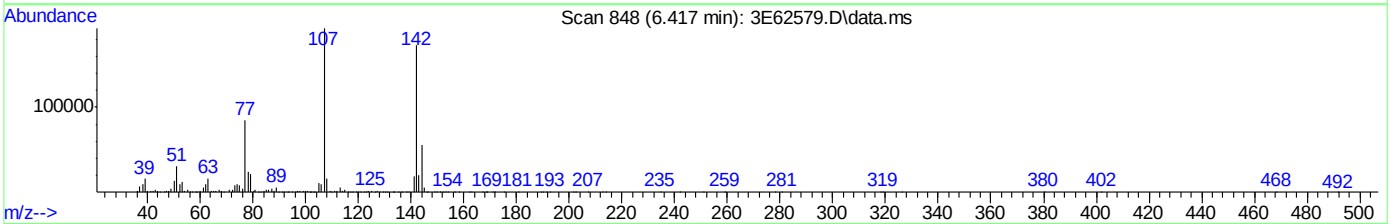
ACCUTEST LABORATORIES JB69534

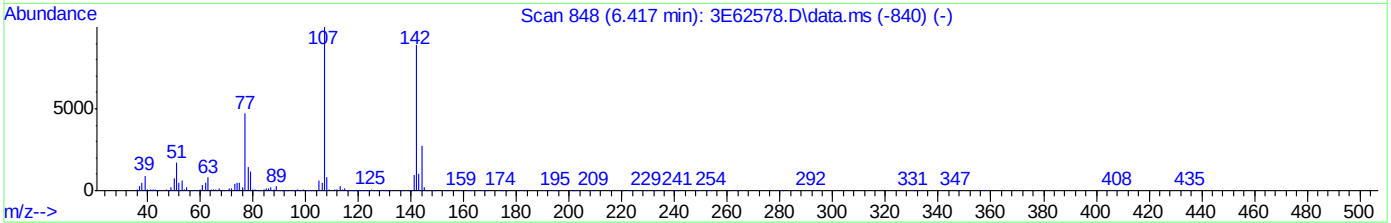
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62579.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.417min (-0.000) 26.10ppb m

response 192633

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	29.02
142.00	0.00	89.63#
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62582.D
Acq On : 27 Jun 2014 9:29 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,acid
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 11:32:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	325076	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1195216	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	650509	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	945033	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	799949	40.00	ppb	0.00
92) Perylene-d12	16.382	264	725596	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	325076	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	650509	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	945033	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	799949	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1195216	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Phenol	4.470	94	619952	41.44	ppb #	61
12) 2-Chlorophenol	4.561	128	566257	44.80	ppb	93
19) 2-Methylphenol	4.919	108	477049	46.73	ppb	99
21) 3&4-Methylphenol	5.043	108	492298	45.45	ppb	100
29) 2-Nitrophenol	5.449	139	319018	46.67	ppb	81
30) 2,4-Dimethylphenol	5.492	107	529092	53.69	ppb	95
31) Benzoic acid	5.636	105	369257	44.62	ppb	96
33) 2,4-Dichlorophenol	5.679	162	441891	46.96	ppb	97
34) 2,6-Dichlorophenol	5.893	162	433192	45.82	ppb	97
43) 4-Chloro-3-methylphenol	6.406	107	451433	45.42	ppb #	98
49) 2,4,6-Trichlorophenol	6.909	196	285024	48.35	ppb	95
50) 2,4,5-Trichlorophenol	6.963	196	295314	47.95	ppb	98
60) 2,4-Dinitrophenol	8.011	184	115795	39.47	ppb	95
61) 4-Nitrophenol	8.145	109	120338	45.10	ppb	89
64) 2,3,4,6-Tetrachlorophenol	8.369	232	211827	45.84	ppb	98
70) 4,6-Dinitro-2-methylph...	8.787	198	171060	47.23	ppb #	80
76) Pentachlorophenol	9.808	266	146342	51.84	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62582.D
Acq On : 27 Jun 2014 9:29 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,acid
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 11:32:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

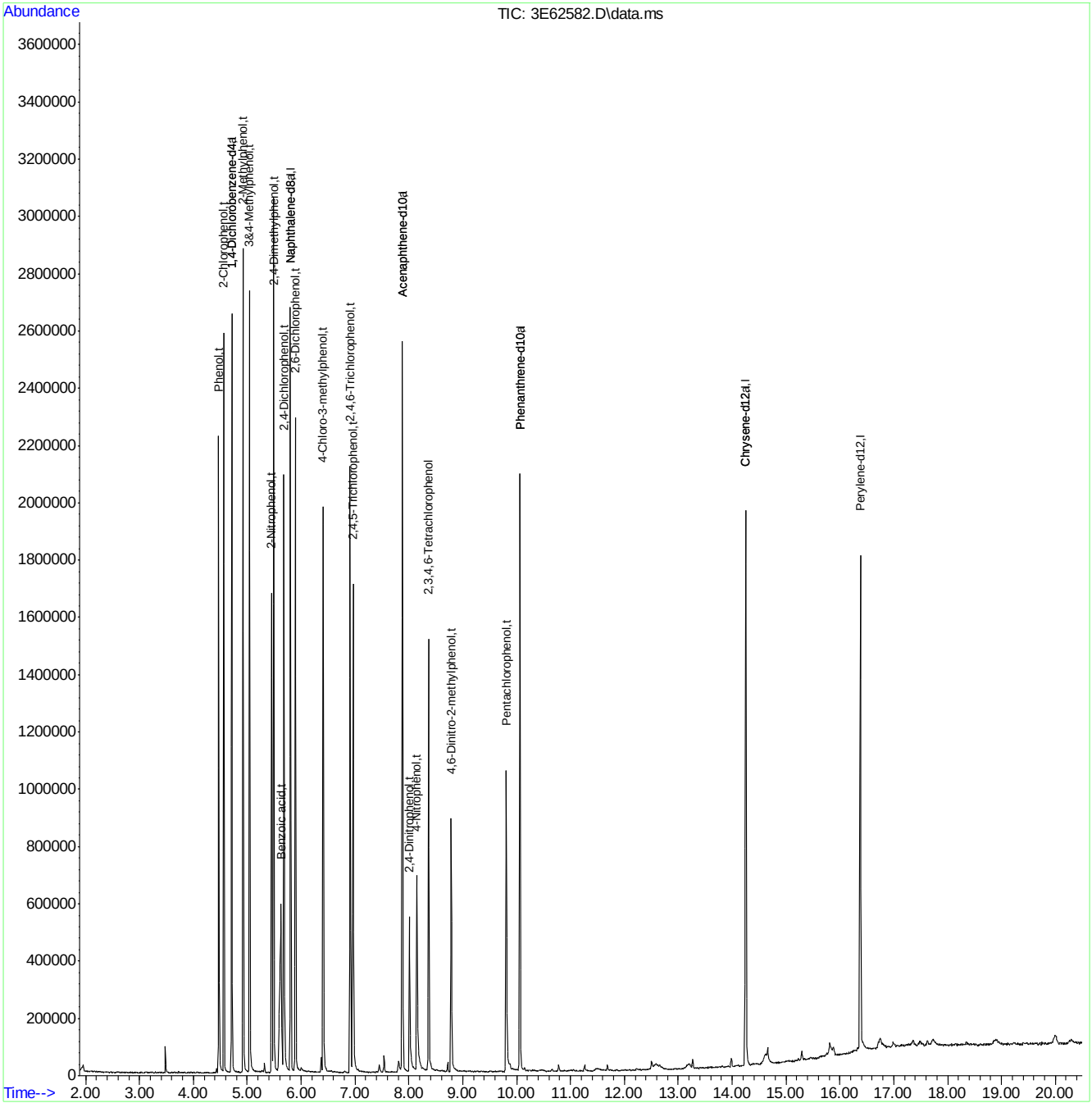
9.6.36

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62582.D
Acq On : 27 Jun 2014 9:29 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,acid
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 11:32:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62584.D
Acq On : 27 Jun 2014 10:23 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,bn2
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 11:39:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	436731	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1642591	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	875871	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	1267355	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	1030662	40.00	ppb	0.00
92) Perylene-d12	16.382	264	839910	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	436731	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	875871	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	1267355	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	1030662	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1642591	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.288	88	266979	50.21	ppb	100
6) Indene	4.914	116	1397288	49.50	ppb	98
7) Cumene	4.117	105	1845593	48.36	ppb	97
13) Decane	4.588	43	543718	47.94	ppb	96
18) Acetophenone	5.032	105	1048280	47.37	ppb	98
27) Quinoline	6.171	129	1533167	46.95	ppb	98
40) 2,3-Dichloroaniline	6.904	161	645497	40.13	ppb	97
41) Caprolactam	6.246	55	210486	44.90	ppb	97
45) 1-Methylnaphthalene	6.679	141	1325885	46.00	ppb	99
46) Dimethylnaphthalene	7.326	156	1345866	47.10	ppb	99
53) Biphenyl	7.123	154	1816287	48.95	ppb	98
82) Octadecane	9.990	57	704413	53.19	ppb	98

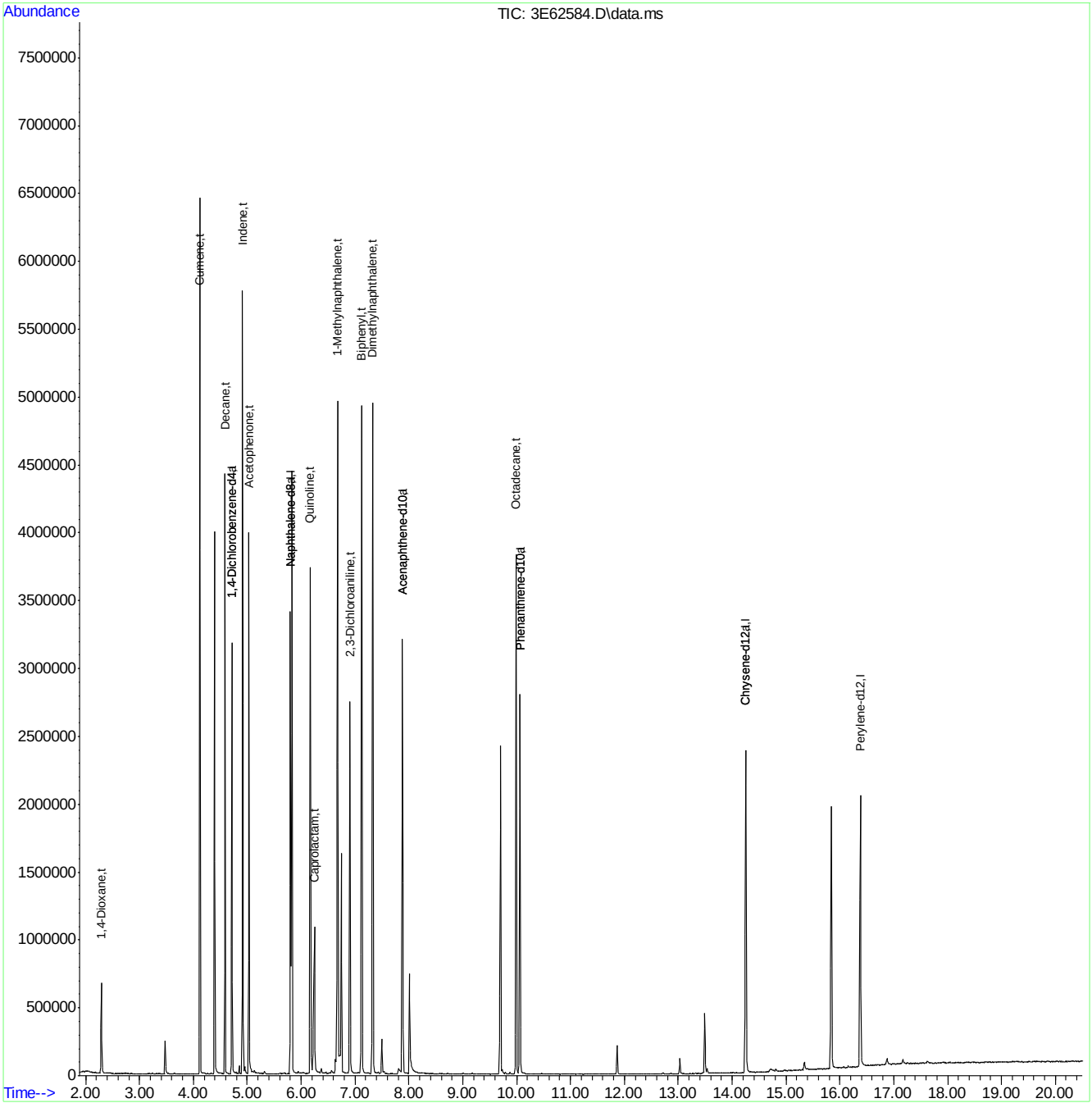
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62584.D
Acq On : 27 Jun 2014 10:23 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,bn2
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 11:39:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62585.D
Acq On : 27 Jun 2014 10:50 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,aniline
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 11:40:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

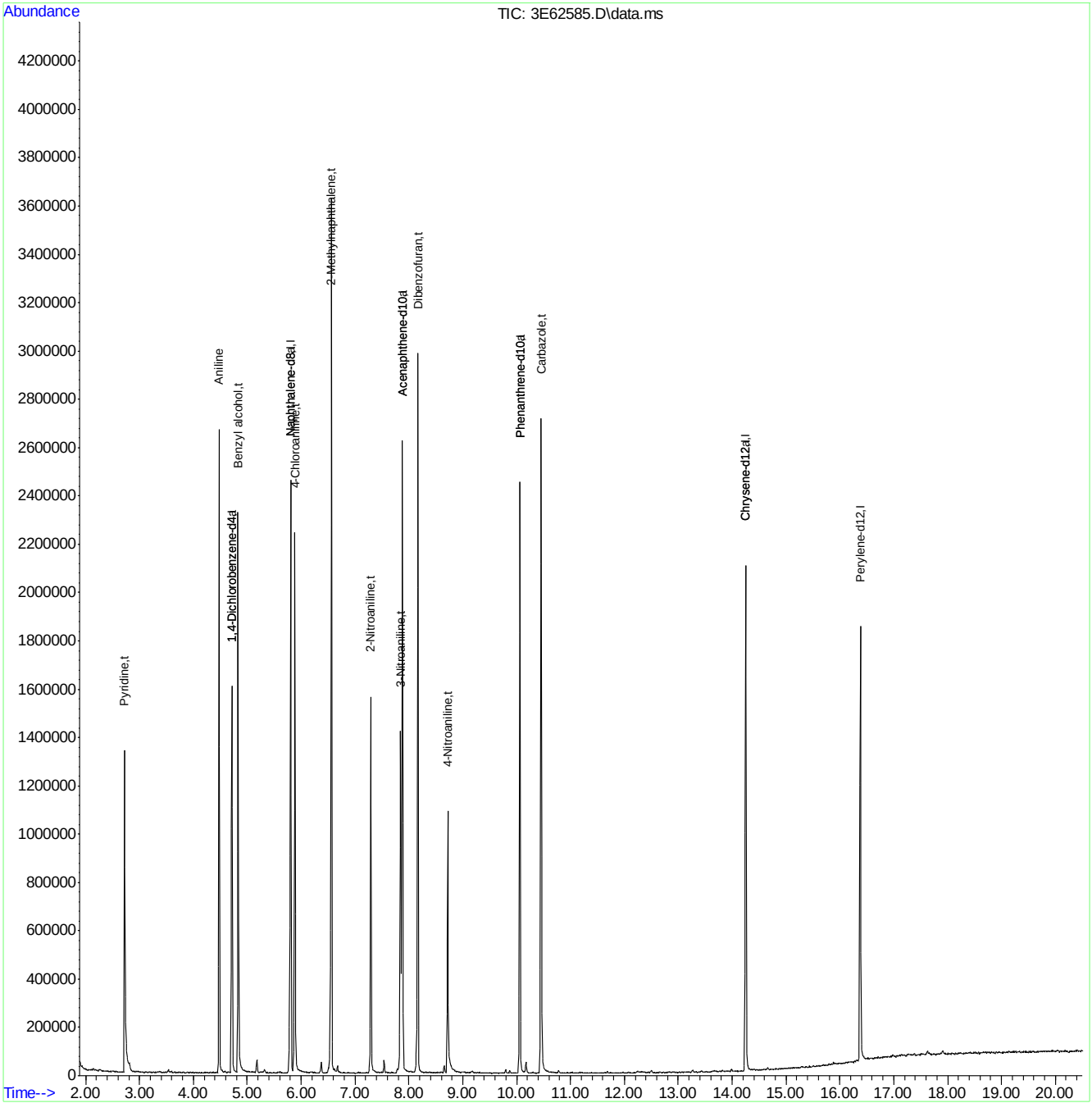
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	328601	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1315344	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	724198	40.00	ppb	0.00
69) Phenanthrene-d10	10.059	188	1070676	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	871025	40.00	ppb	0.00
92) Perylene-d12	16.381	264	757277	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.716	152	328601	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	724198	40.00	ppb	0.00
106) Phenanthrene-d10a	10.059	188	1070676	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	871025	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1315344	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.721	79	574131	58.62	ppb	96
10) Aniline	4.475	93	874931	55.37	ppb	68
16) Benzyl alcohol	4.834	108	392501	50.00	ppb	99
39) 4-Chloroaniline	5.882	127	741099	47.23	ppb	97
44) 2-Methylnaphthalene	6.561	141	1057826	47.06	ppb	97
54) 2-Nitroaniline	7.294	65	276045	43.99	ppb	99
58) 3-Nitroaniline	7.845	138	311598	44.79	ppb	95
62) Dibenzofuran	8.166	168	1485019	47.00	ppb	99
68) 4-Nitroaniline	8.722	138	294804	42.94	ppb	95
79) Carbazole	10.455	167	1472992	44.82	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62585.D
Acq On : 27 Jun 2014 10:50 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,aniline
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 11:40:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62586.D
Acq On : 27 Jun 2014 11:16 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,surr
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 11:41:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	380866	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1370449	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	739349	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	1080814	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	910017	40.00	ppb	0.00
92) Perylene-d12	16.382	264	788699	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	380866	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	739349	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	1080814	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	910017	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1370449	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.754	112	516081	41.74	ppb	0.00
Spiked Amount 50.000			Recovery = 83.48%			
8) Phenol-d5	4.460	99	601625	39.03	ppb	0.00
Spiked Amount 50.000			Recovery = 78.06%			
25) Nitrobenzene-d5	5.155	82	526444	42.50	ppb	0.00
Spiked Amount 50.000			Recovery = 85.00%			
51) 2-Fluorobiphenyl	7.000	172	1035395	41.63	ppb	0.00
Spiked Amount 50.000			Recovery = 83.26%			
73) 2,4,6-Tribromophenol	9.017	330	101447	42.17	ppb	0.00
Spiked Amount 50.000			Recovery = 84.34%			
85) Terphenyl-d14	12.611	244	894835	44.17	ppb	0.00
Spiked Amount 50.000			Recovery = 88.34%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

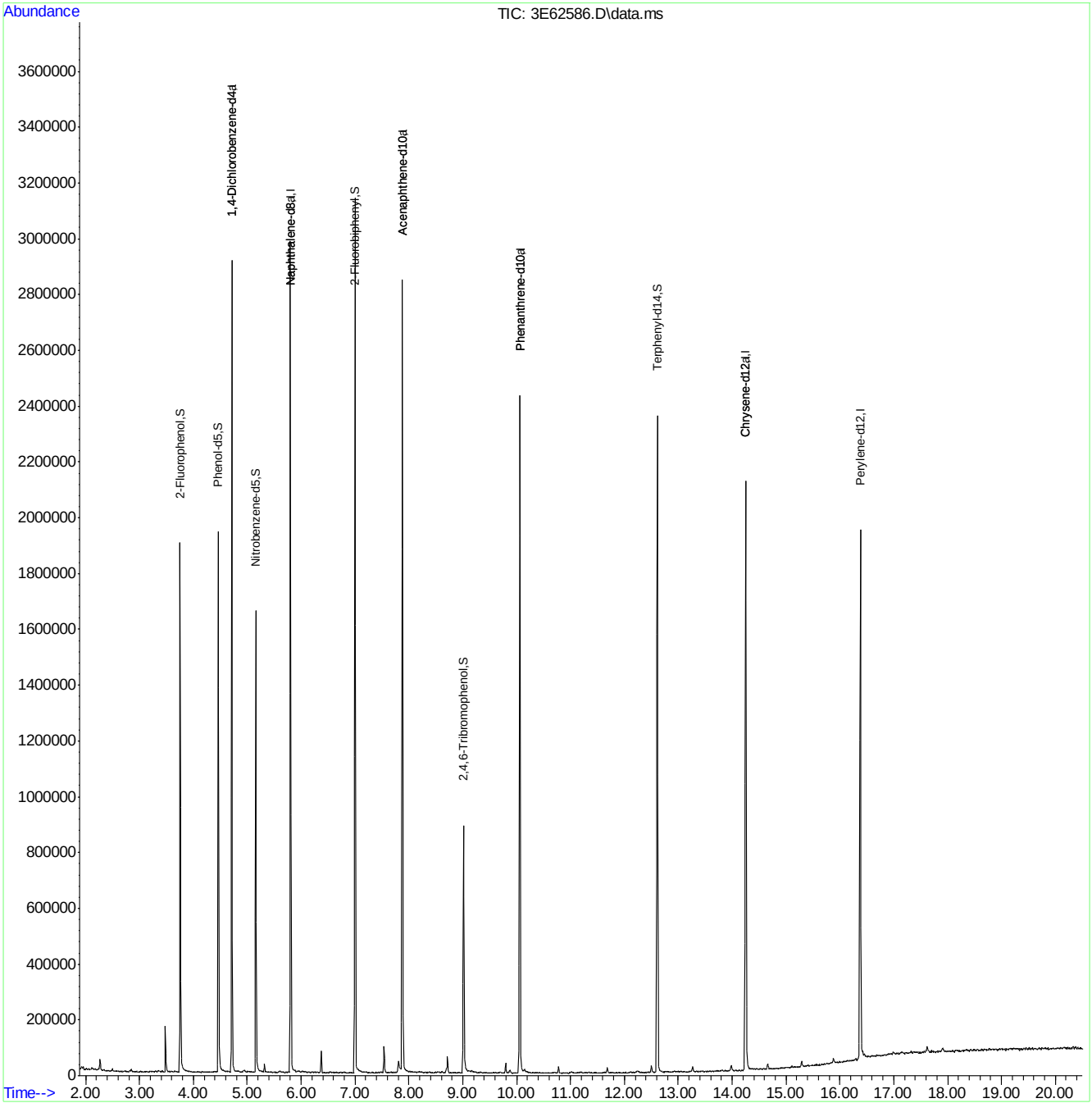
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62586.D
Acq On : 27 Jun 2014 11:16 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,surr
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 11:41:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62587.D
Acq On : 27 Jun 2014 11:43 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 12:11:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

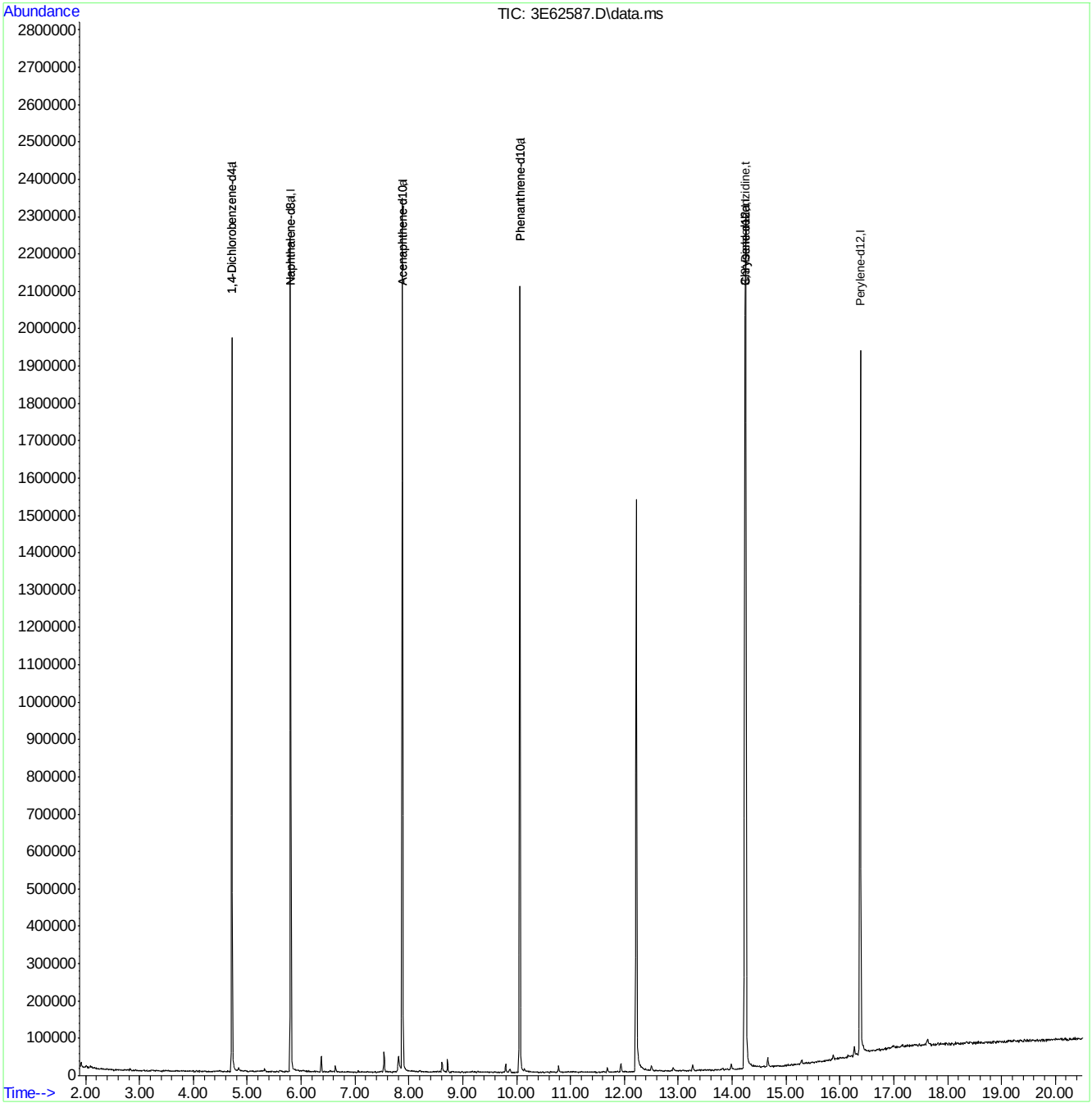
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	275456	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1044355	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	591564	40.00	ppb	0.00
69) Phenanthrene-d10	10.059	188	908886	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	881051	40.00	ppb	0.00
92) Perylene-d12	16.381	264	801058	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	275456	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	591564	40.00	ppb	0.00
106) Phenanthrene-d10a	10.059	188	908886	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	881051	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1044355	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.237	252	413592	42.44	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62587.D
Acq On : 27 Jun 2014 11:43 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 12:11:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62588.D
Acq On : 27 Jun 2014 12:13 pm
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 12:45:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	397302	40.00	ppb		0.00
24) Naphthalene-d8	5.807	136	1408985	40.00	ppb		0.00
47) Acenaphthene-d10	7.877	164	744915	40.00	ppb		0.00
69) Phenanthrene-d10	10.059	188	1081220	40.00	ppb		0.00
83) Chrysene-d12	14.258	240	943926	40.00	ppb		0.00
92) Perylene-d12	16.382	264	787917	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	397302	40.00	ppb		0.00
104) Acenaphthene-d10a	7.877	164	744915	40.00	ppb		0.00
106) Phenanthrene-d10a	10.059	188	1081220	40.00	ppb		0.00
110) Chrysene-d12a	14.258	240	943926	40.00	ppb		0.00
112) Naphthalene-d8a	5.807	136	1408985	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.000	244	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
4) N-Nitrosodimethylamine	2.582	74	291576	43.73	ppb		96
11) bis(2-Chloroethyl)ether	4.508	93	510636	43.13	ppb		97
14) 1,3-Dichlorobenzene	4.668	146	704372	40.77	ppb		98
15) 1,4-Dichlorobenzene	4.727	146	698612	40.34	ppb		98
17) 1,2-Dichlorobenzene	4.845	146	650421	39.65	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.919	121	211247	40.28	ppb	#	76
22) n-Nitroso-di-n-propyla...	5.026	70	353945	40.47	ppb		97
23) Hexachloroethane	5.112	201	217390	41.16	ppb		90
26) Nitrobenzene	5.176	77	530288	40.45	ppb		96
28) Isophorone	5.374	82	899918	40.18	ppb		99
32) bis(2-Chloroethoxy)met...	5.561	93	568296	45.09	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	482925	41.62	ppb		98
38) Naphthalene	5.829	128	1650913	40.63	ppb		99
42) Hexachlorobutadiene	5.946	225	251867	41.95	ppb		98
48) Hexachlorocyclopentadiene	6.749	237	129349	38.17	ppb		97
52) 2-Chloronaphthalene	7.150	162	970190	41.56	ppb		98
55) Dimethylphthalate	7.530	163	1056155	41.79	ppb		99
56) Acenaphthylene	7.685	152	1333211	35.37	ppb		99
57) 2,6-Dinitrotoluene	7.615	165	248498	38.77	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62588.D
Acq On : 27 Jun 2014 12:13 pm
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 12:45:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

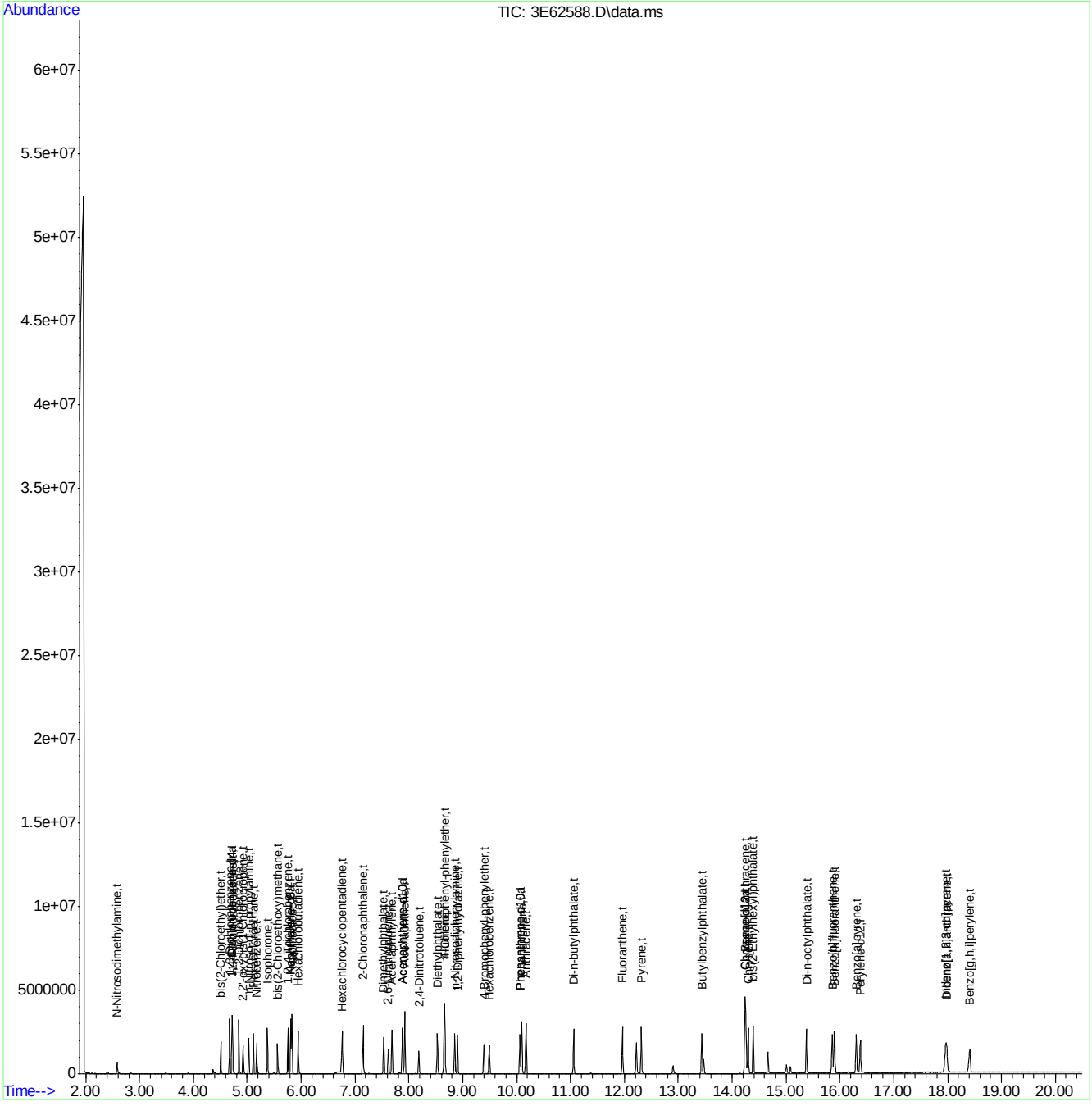
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Acenaphthene	7.925	153	1027992	42.73	ppb	98
63) 2,4-Dinitrotoluene	8.187	165	320604	37.68	ppb	99
65) Diethylphthalate	8.530	149	1042280	41.04	ppb	99
66) Fluorene	8.658	166	1099205	41.71	ppb	99
67) 4-Chlorophenyl-phenyle...	8.669	204	491006	43.18	ppb	100
71) n-Nitrosodiphenylamine	8.851	169	726671	42.93	ppb	99
72) 1,2-Diphenylhydrazine	8.904	77	954156	44.58	ppb	99
74) 4-Bromophenyl-phenylether	9.396	248	250706	44.61	ppb	96
75) Hexachlorobenzene	9.493	284	243568	41.76	ppb	98
77) Phenanthrene	10.097	178	1413293	41.49	ppb	98
78) Anthracene	10.177	178	1443250	41.70	ppb	99
80) Di-n-butylphthalate	11.060	149	1660850	43.16	ppb	99
81) Fluoranthene	11.964	202	1405084	41.28	ppb	98
84) Pyrene	12.317	202	1426824	42.61	ppb	99
86) Butylbenzylphthalate	13.440	149	703861	43.42	ppb	99
88) Benzo[a]anthracene	14.242	228	1200604	40.31	ppb	99
90) Chrysene	14.301	228	1161559	42.96	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.392	149	995922	43.19	ppb	100
93) Di-n-octylphthalate	15.381	149	1663495	43.24	ppb	100
94) Benzo[b]fluoranthene	15.863	252	1114215	39.77	ppb	98
95) Benzo[k]fluoranthene	15.900	252	1096431	41.12	ppb	99
96) Benzo[a]pyrene	16.307	252	1021098	42.03	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.965	276	1149925	40.08	ppb	99
99) Dibenz[a,h]anthracene	17.986	278	983990	40.93	ppb	99
101) Benzo[g,h,i]perylene	18.414	276	957204	41.74	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62588.D
Acq On : 27 Jun 2014 12:13 pm
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 12:45:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/30/14 10:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62591.D
Acq On : 27 Jun 2014 1:40 pm
Operator : kristis
Sample : cc2680-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:05:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	238978	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	932529	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	538934	40.00	ppb	0.00
69) Phenanthrene-d10	10.059	188	841268	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	793285	40.00	ppb	0.00
92) Perylene-d12	16.381	264	693859	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	238978	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	538934	40.00	ppb	0.00
106) Phenanthrene-d10a	10.059	188	841268	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	793285	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	932529	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	364725	47.02	ppb	0.00
Spiked Amount 50.000			Recovery = 94.04%			
8) Phenol-d5	4.459	99	457631	47.31	ppb	0.00
Spiked Amount 50.000			Recovery = 94.62%			
25) Nitrobenzene-d5	5.160	82	402521	47.76	ppb	0.00
Spiked Amount 50.000			Recovery = 95.52%			
51) 2-Fluorobiphenyl	7.000	172	851187	46.95	ppb	0.00
Spiked Amount 50.000			Recovery = 93.90%			
73) 2,4,6-Tribromophenol	9.022	330	90103	48.12	ppb	0.00
Spiked Amount 50.000			Recovery = 96.24%			
85) Terphenyl-d14	12.611	244	846784	47.95	ppb	0.00
Spiked Amount 50.000			Recovery = 95.90%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.261	88	148466	51.03	ppb	98
3) Pyridine	2.598	79	363943	51.10	ppb	99
4) N-Nitrosodimethylamine	2.561	74	213166	53.15	ppb	99
6) Indene	4.914	116	719746	46.60	ppb	98
7) Cumene	4.112	105	971947	46.55	ppb	98
9) Phenol	4.470	94	507885	46.18	ppb	95
10) Aniline	4.470	93	601072	52.31	ppb	94
11) bis(2-Chloroethyl)ether	4.513	93	342971	48.16	ppb	99
12) 2-Chlorophenol	4.561	128	430680	46.35	ppb	94
13) Decane	4.582	43	292479	47.13	ppb	97
14) 1,3-Dichlorobenzene	4.668	146	480463	46.23	ppb	96
15) 1,4-Dichlorobenzene	4.727	146	491877	47.22	ppb	99
16) Benzyl alcohol	4.828	108	261877	45.87	ppb	94
17) 1,2-Dichlorobenzene	4.844	146	457857	46.41	ppb	100
18) Acetophenone	5.032	105	580691	47.96	ppb	97
19) 2-Methylphenol	4.925	108	373935	49.83	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.919	121	149623	47.43	ppb	91
21) 3&4-Methylphenol	5.042	108	400592	50.30	ppb	98
22) n-Nitroso-di-n-propyla...	5.032	70	263674	50.12	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62591.D
Acq On : 27 Jun 2014 1:40 pm
Operator : kristis
Sample : cc2680-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:05:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.112	201	150333	47.32	ppb	90
26) Nitrobenzene	5.176	77	404111	46.57	ppb	100
27) Quinoline	6.176	129	863917	46.60	ppb	98
28) Isophorone	5.379	82	695762	46.94	ppb	98
29) 2-Nitrophenol	5.454	139	245234	45.98	ppb	87
30) 2,4-Dimethylphenol	5.492	107	407479	53.00	ppb	98
31) Benzoic acid	5.625	105	330116	51.12	ppb	97
32) bis(2-Chloroethoxy)met...	5.567	93	395863	47.45	ppb	98
33) 2,4-Dichlorophenol	5.684	162	342233	46.62	ppb	99
34) 2,6-Dichlorophenol	5.893	162	347023	47.04	ppb	96
35) 1,3,5-Trichlorobenzene	5.460	180	384458	45.99	ppb	98
36) 1,2,4-Trichlorobenzene	5.754	180	356254	46.39	ppb	99
37) 1,2,3-Trichlorobenzene	5.973	180	361490	47.56	ppb	97
38) Naphthalene	5.829	128	1238185	46.05	ppb	100
39) 4-Chloroaniline	5.882	127	540354	48.58	ppb	98
40) 2,3-Dichloroaniline	6.904	161	430995	47.20	ppb	99
41) Caprolactam	6.267	55	127762	48.01	ppb	97
42) Hexachlorobutadiene	5.946	225	186124	46.84	ppb	96
43) 4-Chloro-3-methylphenol	6.417	107	359286m	46.33	ppb	
44) 2-Methylnaphthalene	6.561	141	755390	47.40	ppb	98
45) 1-Methylnaphthalene	6.674	141	762731	46.61	ppb	97
46) Dimethylnaphthalene	7.326	156	772458	47.62	ppb	97
48) Hexachlorocyclopentadiene	6.749	237	265158	90.85	ppb	99
49) 2,4,6-Trichlorophenol	6.914	196	229257	46.94	ppb	100
50) 2,4,5-Trichlorophenol	6.968	196	249399	48.88	ppb	97
52) 2-Chloronaphthalene	7.150	162	782106	46.31	ppb	100
53) Biphenyl	7.123	154	1036997	45.42	ppb	100
54) 2-Nitroaniline	7.294	65	209625	44.89	ppb	93
55) Dimethylphthalate	7.529	163	858230	46.94	ppb	99
56) Acenaphthylene	7.685	152	1272615	46.67	ppb	99
57) 2,6-Dinitrotoluene	7.615	165	212632	45.86	ppb	91
58) 3-Nitroaniline	7.845	138	241660	46.68	ppb	92
59) Acenaphthene	7.925	153	803420	46.15	ppb	100
60) 2,4-Dinitrophenol	8.016	184	251127	103.32	ppb	86
61) 4-Nitrophenol	8.150	109	104059	47.07	ppb	95
62) Dibenzofuran	8.166	168	1077858	45.85	ppb	95
63) 2,4-Dinitrotoluene	8.187	165	290883	47.25	ppb	99
64) 2,3,4,6-Tetrachlorophenol	8.369	232	184766	48.26	ppb	97
65) Diethylphthalate	8.530	149	862243	46.93	ppb	99
66) Fluorene	8.658	166	891491	46.76	ppb	99
67) 4-Chlorophenyl-phenyle...	8.669	204	389495	47.34	ppb	99
68) 4-Nitroaniline	8.728	138	244964	47.94	ppb	98
70) 4,6-Dinitro-2-methylph...	8.792	198	159117	49.35	ppb	98
71) n-Nitrosodiphenylamine	8.856	169	609306	46.27	ppb	99
72) 1,2-Diphenylhydrazine	8.904	77	796310	47.82	ppb	98
74) 4-Bromophenyl-phenylether	9.396	248	211808	48.44	ppb	97
75) Hexachlorobenzene	9.492	284	213632	47.07	ppb	97
76) Pentachlorophenol	9.813	266	255967	101.86	ppb	97
77) Phenanthrene	10.097	178	1237117	46.68	ppb	99
78) Anthracene	10.177	178	1292176	47.99	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62591.D
Acq On : 27 Jun 2014 1:40 pm
Operator : kristis
Sample : cc2680-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:05:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

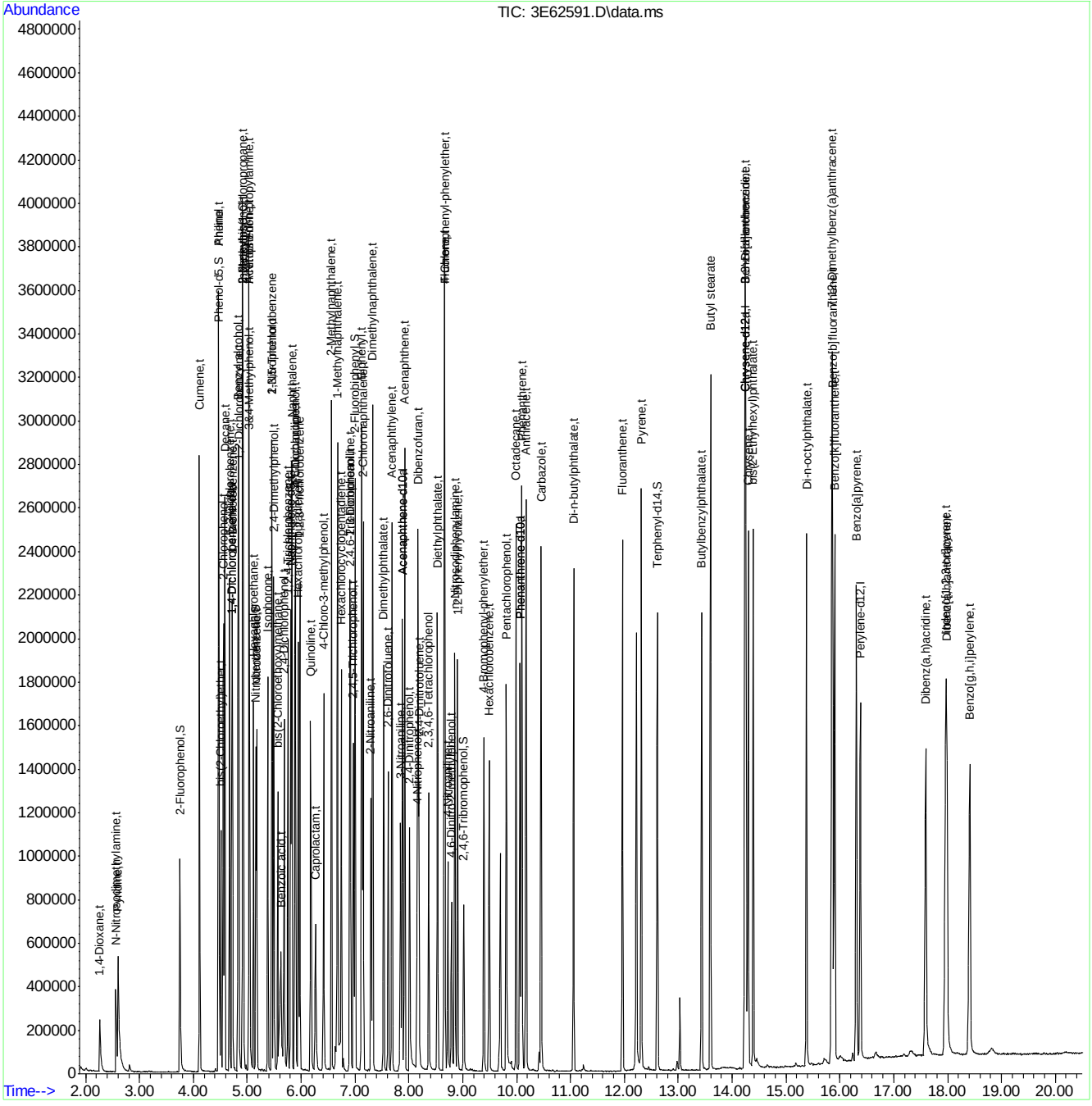
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	1218570	47.18	ppb	99
80) Di-n-butylphthalate	11.060	149	1429894	47.75	ppb	99
81) Fluoranthene	11.963	202	1235200	46.64	ppb	98
82) Octadecane	9.990	57	418887	47.65	ppb	96
84) Pyrene	12.317	202	1311309	46.60	ppb	99
86) Butylbenzylphthalate	13.434	149	645356	47.37	ppb	97
87) Butyl stearate	13.600	56	411626	61.00	ppb	99
88) Benzo[a]anthracene	14.242	228	1143406	45.68	ppb	99
89) 3,3'-Dichlorobenzidine	14.242	252	427570	48.72	ppb	98
90) Chrysene	14.301	228	1052069	46.30	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.392	149	924442	47.71	ppb	99
93) Di-n-octylphthalate	15.381	149	1564905	46.19	ppb	100
94) Benzo[b]fluoranthene	15.868	252	1144887	46.40	ppb	98
95) Benzo[k]fluoranthene	15.905	252	1066496	45.42	ppb	98
96) Benzo[a]pyrene	16.307	252	998397	46.67	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.965	276	1182001	46.78	ppb	98
98) Dibenz(a,h)acridine	17.596	279	885890	46.82	ppb	100
99) Dibenz[a,h]anthracene	17.991	278	991651	46.84	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.852	256	578781	47.19	ppb	96
101) Benzo[g,h,i]perylene	18.414	276	943863	46.73	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62591.D
Acq On : 27 Jun 2014 1:40 pm
Operator : kristis
Sample : cc2680-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:05:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

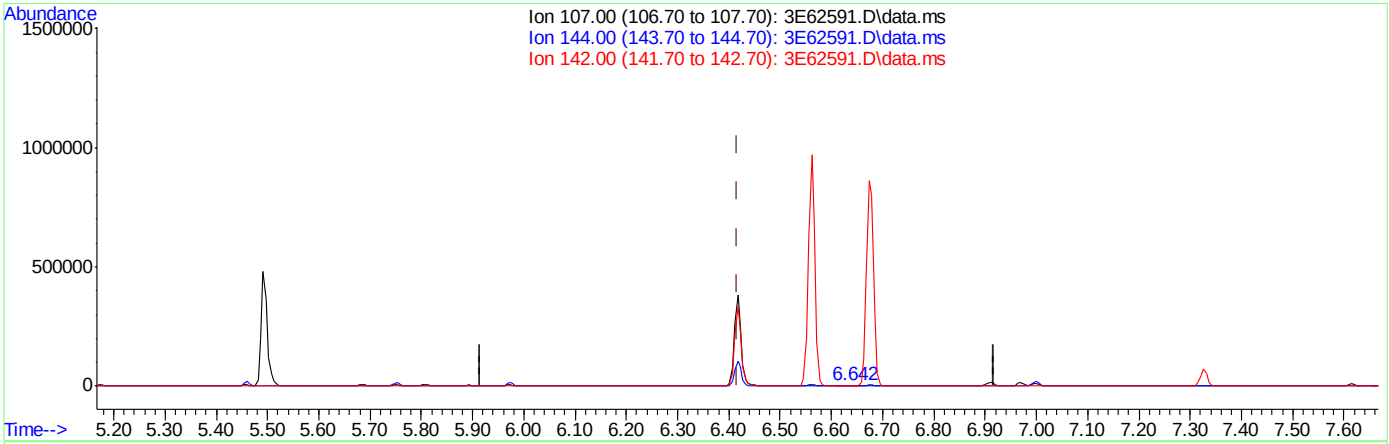
Sample Number:	E3E2682-CC2680	**Method:**	SW846 8270D
Lab FileID:	3E62591.D	**Analyst approved:**	06/27/14 17:43 Andrew Lee Smith
Injection Time:	06/27/14 13:40	**Supervisor approved:**	06/30/14 10:38 Nina Pandya

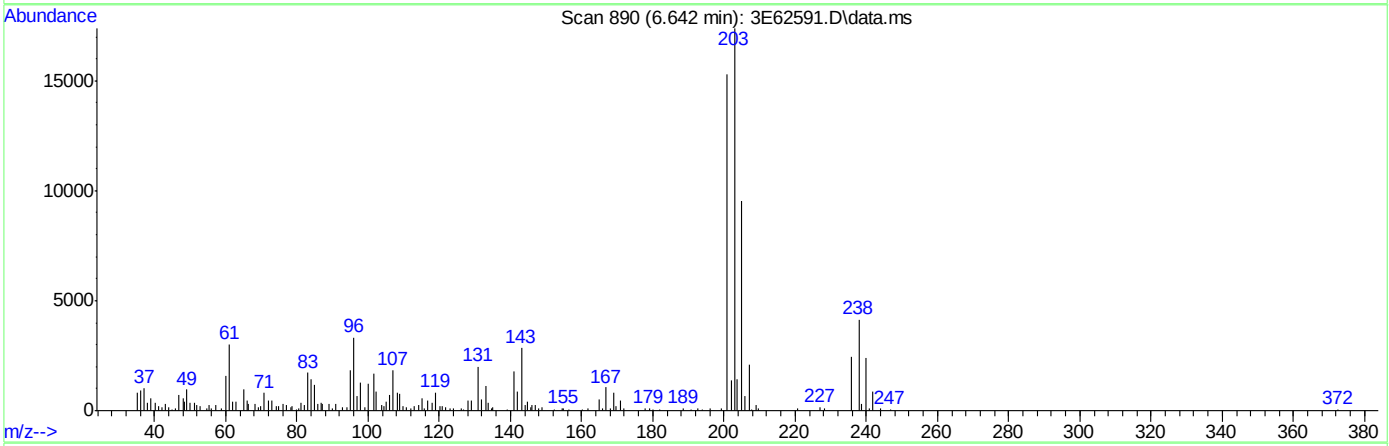
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62591.D
Acq On : 27 Jun 2014 1:40 pm
Operator : kristis
Sample : cc2680-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:01:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration





TIC: 3E62591.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.35ppb

response 2708

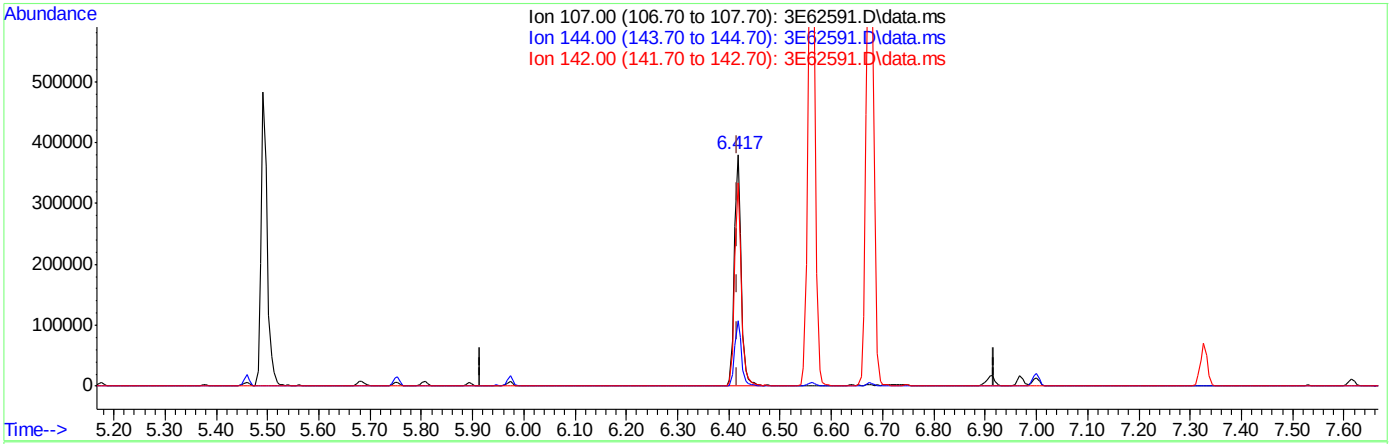
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

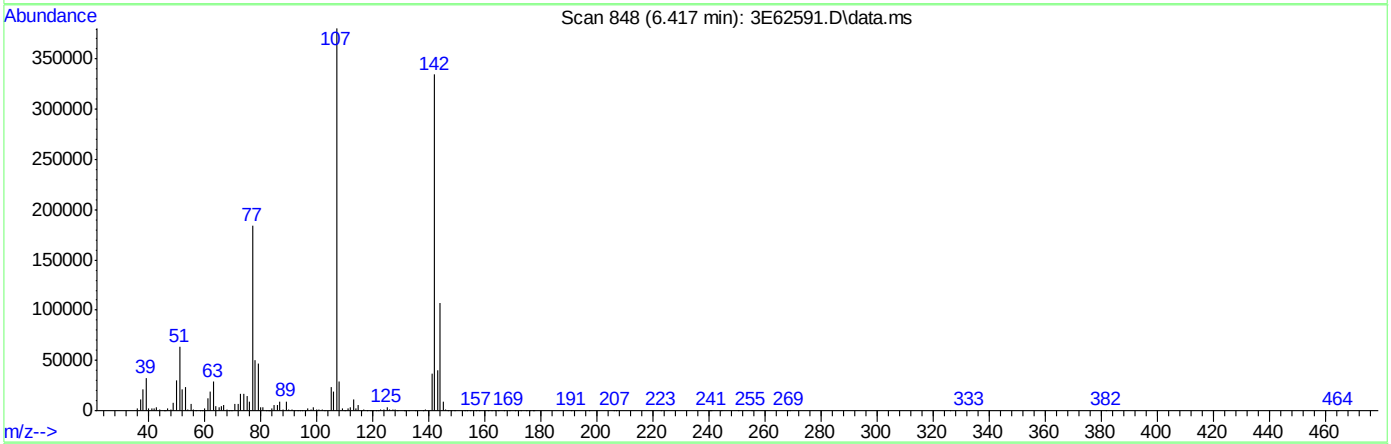
ACCUTEST LABORATORIES JB69534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62591.D
Acq On : 27 Jun 2014 1:40 pm
Operator : kristis
Sample : cc2680-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:01:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration





TIC: 3E62591.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.417min (-0.000) 46.33ppb m

response 359286

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	28.12
142.00	0.00	87.87#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62592.D
Acq On : 27 Jun 2014 2:08 pm
Operator : kristis
Sample : cc2647-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 16:38:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Mon Jun 30 16:37:42 2014
Response via : Initial Calibration

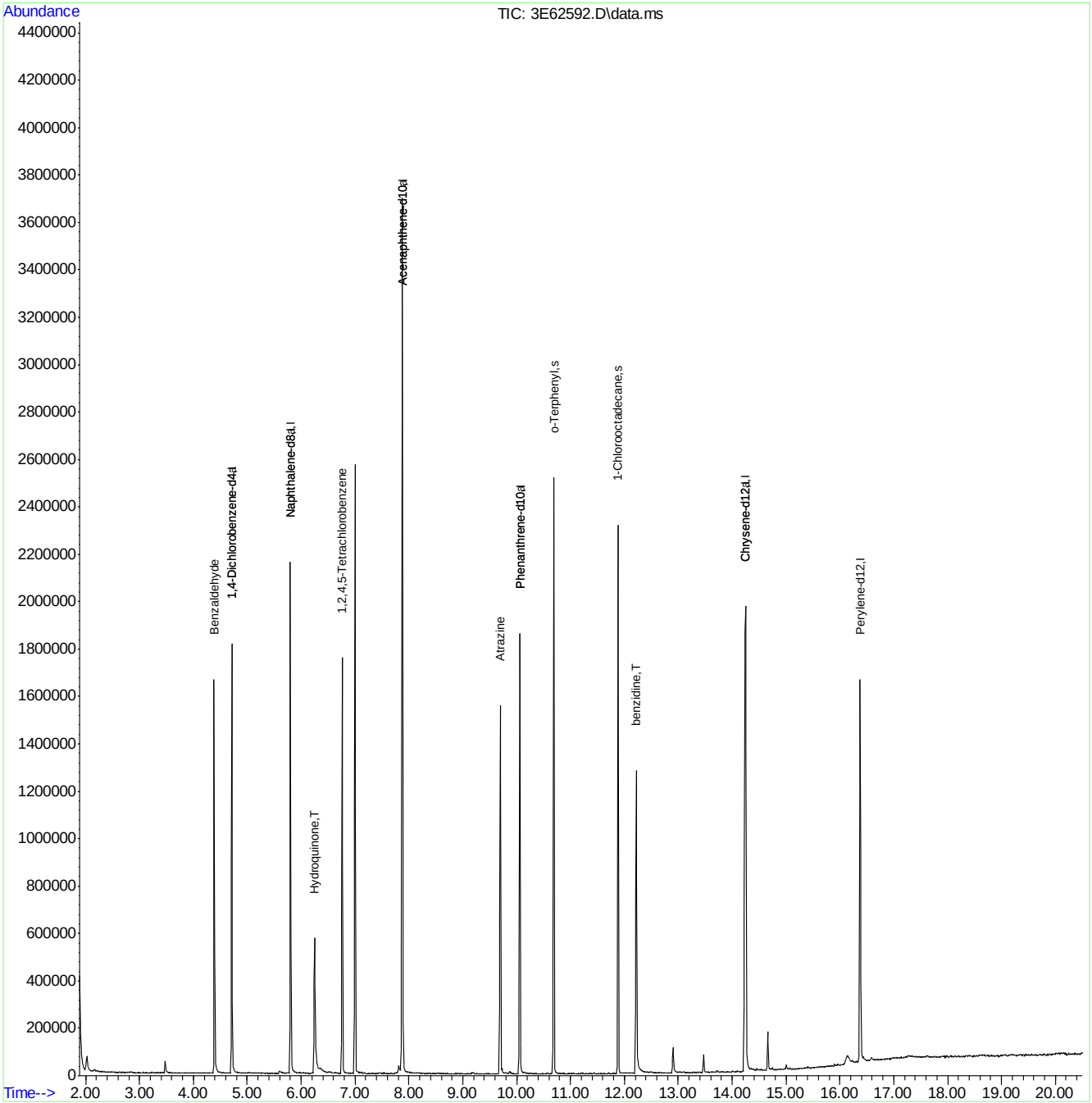
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	246996	40.00	ppb		0.00
24) Naphthalene-d8	5.802	136	949528	40.00	ppb		0.00
47) Acenaphthene-d10	7.877	164	541145	40.00	ppb		0.00
69) Phenanthrene-d10	10.059	188	818495	40.00	ppb		0.00
83) Chrysene-d12	14.253	240	758859	40.00	ppb		0.00
92) Perylene-d12	16.376	264	687656	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	246996	40.00	ppb		0.00
104) Acenaphthene-d10a	7.877	164	541145	40.00	ppb		0.00
106) Phenanthrene-d10a	10.059	188	818495	40.00	ppb		0.00
110) Chrysene-d12a	14.253	240	758859	40.00	ppb		0.00
112) Naphthalene-d8a	5.802	136	949528	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
108) o-Terphenyl	10.691	230	575773	53.58	ppb		0.00
Spiked Amount 50.000			Recovery = 107.16%				
109) 1-Chlorooctadecane	11.883	57	268197	40.13	ppb		0.00
Spiked Amount 50.000			Recovery = 80.26%				
Target Compounds							Qvalue
103) Benzaldehyde	4.385	105	324461	49.16	ppb		96
105) 1,2,4,5-Tetrachloroben...	6.765	216	321756	48.99	ppb		100
107) Atrazine	9.696	215	122409	57.31	ppb	#	84
111) benzidine	12.220	184	679634	48.71	ppb		98
113) Hydroquinone	6.246	110	362964	50.50	ppb		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2682\
Data File : 3E62592.D
Acq On : 27 Jun 2014 2:08 pm
Operator : kristis
Sample : cc2647-50
Misc : op75684,e3e2682,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 16:38:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Mon Jun 30 16:37:42 2014
Response via : Initial Calibration



M3E2680.M Mon Jun 30 16:38:09 2014 MS3E Page: 2

ACCUTEST LABORATORIES
JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/03/14 11:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:03:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	286052	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1121894	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	654910	40.00	ppb	0.01
69) Phenanthrene-d10	10.076	188	1087165	40.00	ppb	0.02
83) Chrysene-d12	14.274	240	1017339	40.00	ppb	0.01
92) Perylene-d12	16.403	264	846058	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	4.711	152	286052	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	654910	40.00	ppb	0.01
106) Phenanthrene-d10a	10.076	188	1087165	40.00	ppb	0.02
110) Chrysene-d12a	14.274	240	1017339	40.00	ppb	0.01
112) Naphthalene-d8a	5.802	136	1121894	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	220490	23.75	ppb	0.00
Spiked Amount 50.000			Recovery = 47.50%			
8) Phenol-d5	4.465	99	269900	23.31	ppb	0.00
Spiked Amount 50.000			Recovery = 46.62%			
25) Nitrobenzene-d5	5.155	82	233365	23.01	ppb	0.00
Spiked Amount 50.000			Recovery = 46.02%			
51) 2-Fluorobiphenyl	7.000	172	479777	21.78	ppb	0.01
Spiked Amount 50.000			Recovery = 43.56%			
73) 2,4,6-Tribromophenol	9.033	330	51111	21.12	ppb	0.02
Spiked Amount 50.000			Recovery = 42.24%			
85) Terphenyl-d14	12.627	244	504870	22.29	ppb	0.02
Spiked Amount 50.000			Recovery = 44.58%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.261	88	90988	26.13	ppb	96
3) Pyridine	2.598	79	235456	27.62	ppb	99
4) N-Nitrosodimethylamine	2.561	74	118328	24.65	ppb	99
6) Indene	4.909	116	497453	26.91	ppb	100
7) Cumene	4.112	105	678135	27.13	ppb	99
9) Phenol	4.476	94	311949	23.69	ppb	72
10) Aniline	4.465	93	275543	20.03	ppb	74
11) bis(2-Chloroethyl)ether	4.508	93	205064	24.06	ppb	99
12) 2-Chlorophenol	4.566	128	259461	23.33	ppb	98
13) Decane	4.577	43	195744	26.35	ppb	98
14) 1,3-Dichlorobenzene	4.668	146	289374	23.26	ppb	98
15) 1,4-Dichlorobenzene	4.722	146	293173	23.51	ppb	98
16) Benzyl alcohol	4.823	108	159447	23.33	ppb	91
17) 1,2-Dichlorobenzene	4.845	146	277608	23.51	ppb	99
18) Acetophenone	5.026	105	386451	26.66	ppb	97
19) 2-Methylphenol	4.925	108	217281	24.19	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.919	121	87180	23.09	ppb	89
21) 3&4-Methylphenol	5.048	108	229467	24.07	ppb	100
22) n-Nitroso-di-n-propyla...	5.026	70	151979	24.13	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:03:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.112	201	88261	23.21	ppb		96
26) Nitrobenzene	5.171	77	241579	23.14	ppb		97
27) Quinoline	6.171	129	574965	25.78	ppb		99
28) Isophorone	5.374	82	406749	22.81	ppb		98
29) 2-Nitrophenol	5.449	139	147900	23.05	ppb		93
30) 2,4-Dimethylphenol	5.497	107	205306	22.20	ppb		97
31) Benzoic acid	5.615	105	185276m	23.85	ppb		
32) bis(2-Chloroethoxy)met...	5.561	93	231671	23.08	ppb		99
33) 2,4-Dichlorophenol	5.684	162	207480	23.49	ppb		97
34) 2,6-Dichlorophenol	5.893	162	201087	22.66	ppb		99
35) 1,3,5-Trichlorobenzene	5.460	180	260318	25.88	ppb		99
36) 1,2,4-Trichlorobenzene	5.749	180	211375	22.88	ppb		99
37) 1,2,3-Trichlorobenzene	5.973	180	238838	26.12	ppb		99
38) Naphthalene	5.823	128	739157	22.85	ppb		100
39) 4-Chloroaniline	5.882	127	294880	22.04	ppb		97
40) 2,3-Dichloroaniline	6.898	161	281893	25.66	ppb		97
41) Caprolactam	6.262	55	88105	27.52	ppb		96
42) Hexachlorobutadiene	5.941	225	108787	22.76	ppb		99
43) 4-Chloro-3-methylphenol	6.422	107	217099m	23.27	ppb		
44) 2-Methylnaphthalene	6.556	141	441341	23.02	ppb		99
45) 1-Methylnaphthalene	6.674	141	504277	25.62	ppb		97
46) Dimethylnaphthalene	7.326	156	503133	25.78	ppb		99
48) Hexachlorocyclopentadiene	6.743	237	116020	38.75	ppb		100
49) 2,4,6-Trichlorophenol	6.920	196	135588	22.85	ppb		96
50) 2,4,5-Trichlorophenol	6.979	196	140614	22.68	ppb		98
52) 2-Chloronaphthalene	7.150	162	454959	22.17	ppb		97
53) Biphenyl	7.123	154	694162	25.02	ppb		99
54) 2-Nitroaniline	7.300	65	128476	22.64	ppb		97
55) Dimethylphthalate	7.535	163	508371	22.88	ppb		99
56) Acenaphthylene	7.690	152	738042	22.27	ppb		99
57) 2,6-Dinitrotoluene	7.621	165	125558	22.28	ppb		97
58) 3-Nitroaniline	7.856	138	144580	22.98	ppb		98
59) Acenaphthene	7.925	153	473203	22.37	ppb		99
60) 2,4-Dinitrophenol	8.027	184	124057	42.00	ppb		98
61) 4-Nitrophenol	8.177	109	61270	22.81	ppb	#	1
62) Dibenzofuran	8.171	168	633953	22.19	ppb		95
63) 2,4-Dinitrotoluene	8.198	165	170394	22.78	ppb		97
64) 2,3,4,6-Tetrachlorophenol	8.380	232	102221	21.97	ppb		95
65) Diethylphthalate	8.535	149	499567	22.38	ppb		100
66) Fluorene	8.664	166	524423	22.64	ppb		97
67) 4-Chlorophenyl-phenyle...	8.674	204	226231	22.63	ppb		98
68) 4-Nitroaniline	8.738	138	141609	22.81	ppb		93
70) 4,6-Dinitro-2-methylph...	8.803	198	90100	21.62	ppb		89
71) n-Nitrosodiphenylamine	8.861	169	361112	21.22	ppb		99
72) 1,2-Diphenylhydrazine	8.910	77	464600	21.59	ppb		99
74) 4-Bromophenyl-phenylether	9.402	248	122870	21.74	ppb		95
75) Hexachlorobenzene	9.503	284	124630	21.25	ppb		97
76) Pentachlorophenol	9.830	266	139859	43.07	ppb		98
77) Phenanthrene	10.108	178	738406	21.56	ppb		99
78) Anthracene	10.188	178	750515	21.57	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:03:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration

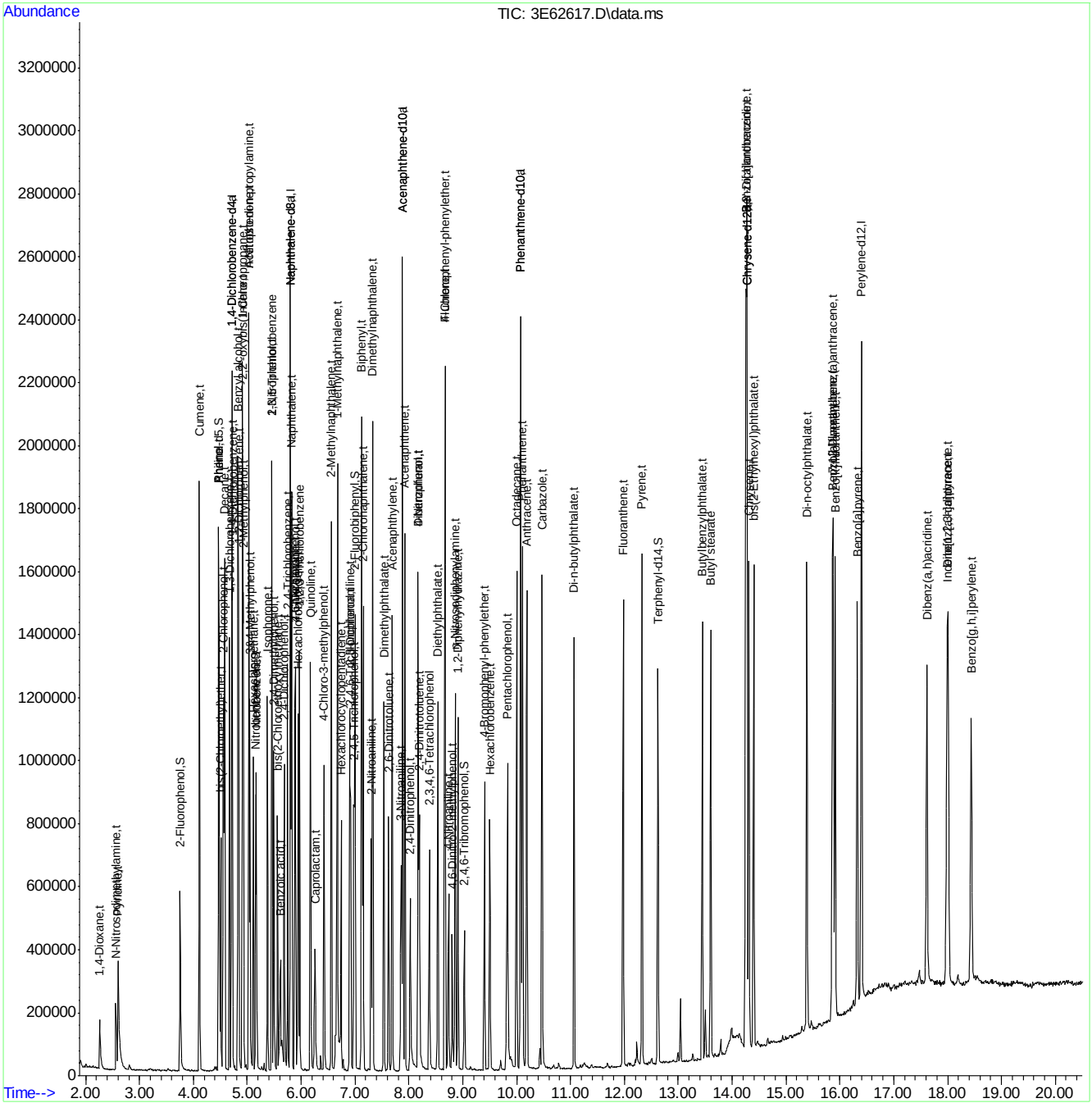
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) Carbazole	10.471	167	824511	24.71 ppb	99
80) Di-n-butylphthalate	11.065	149	874237	22.59 ppb	99
81) Fluoranthene	11.980	202	758134	22.15 ppb	99
82) Octadecane	10.001	57	283201	24.93 ppb	97
84) Pyrene	12.327	202	798067	22.11 ppb	99
86) Butylbenzylphthalate	13.445	149	402546	23.04 ppb	99
87) Butyl stearate	13.606	56	164607	19.02 ppb	99
88) Benzo[a]anthracene	14.258	228	701942	21.87 ppb	99
89) 3,3'-Dichlorobenzidine	14.253	252	252855	22.47 ppb	98
90) Chrysene	14.312	228	642943	22.06 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.403	149	584504	23.52 ppb	98
93) Di-n-octylphthalate	15.387	149	990691	23.98 ppb	99
94) Benzo[b]fluoranthene	15.879	252	634019	21.07 ppb	99
95) Benzo[k]fluoranthene	15.916	252	615644	21.50 ppb	99
96) Benzo[a]pyrene	16.323	252	549037	21.05 ppb	98
97) Indeno[1,2,3-cd]pyrene	17.992	276	700779	22.75 ppb	96
98) Dibenz(a,h)acridine	17.617	279	591375	25.63 ppb	99
99) Dibenz[a,h]anthracene	18.013	278	586198	22.71 ppb	98
100) 7,12-Dimethylbenz(a)an...	15.863	256	284703	20.48 ppb	95
101) Benzo[g,h,i]perylene	18.441	276	551085	22.38 ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:03:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

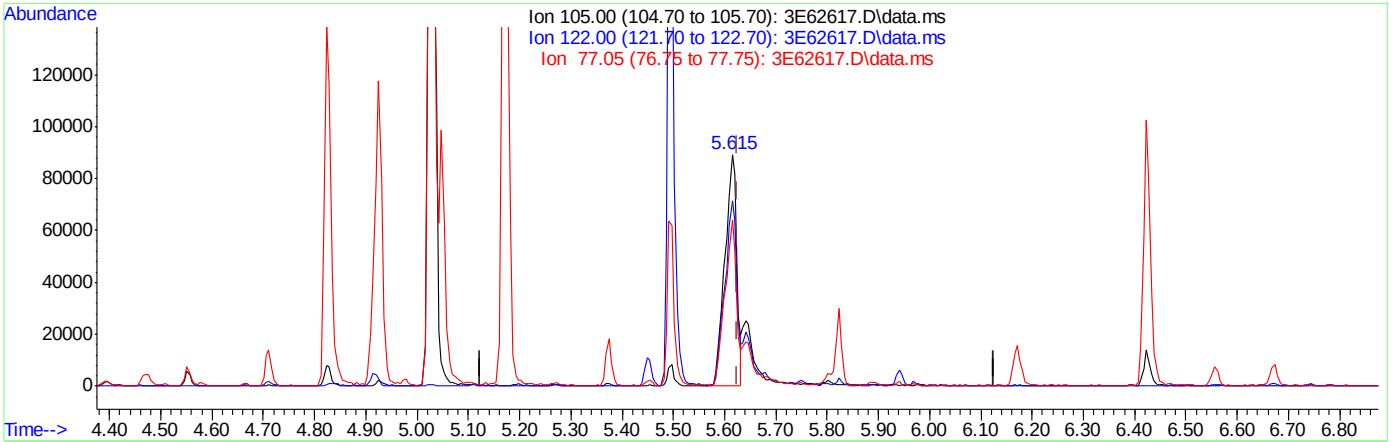
Sample Number:	E3E2683-CC2680	**Method:**	SW846 8270D
Lab FileID:	3E62617.D	**Analyst approved:**	07/03/14 11:54 Harpreet Kaur
Injection Time:	06/28/14 14:05	**Supervisor approved:**	07/03/14 11:59 Cheng-Hwan Ao

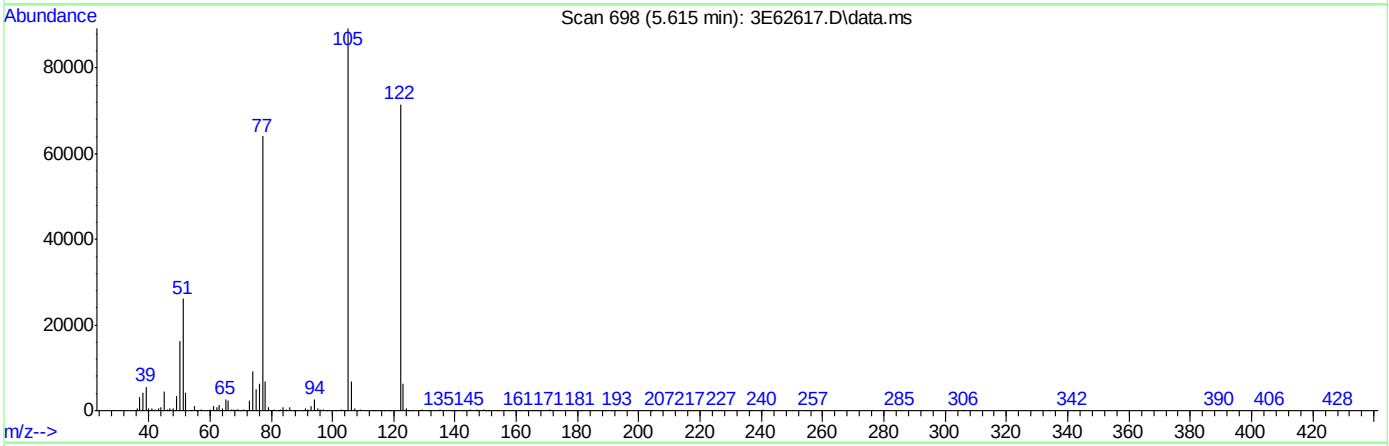
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.61	Poor instrument integration
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:02:38 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration





TIC: 3E62617.D\data.ms

(31) Benzoic acid (t)

5.615min (-0.011) 18.27ppb

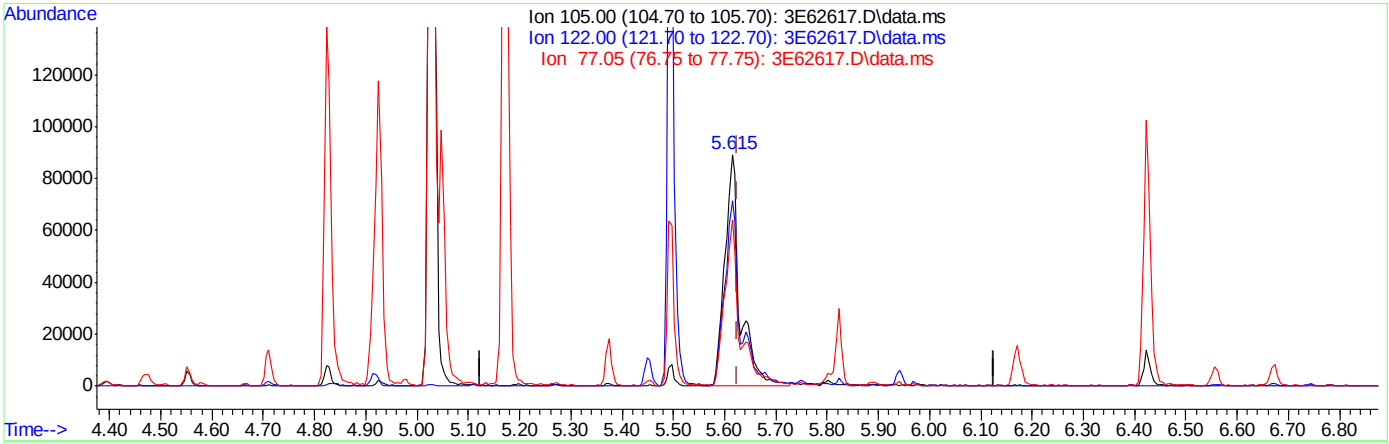
response 141965

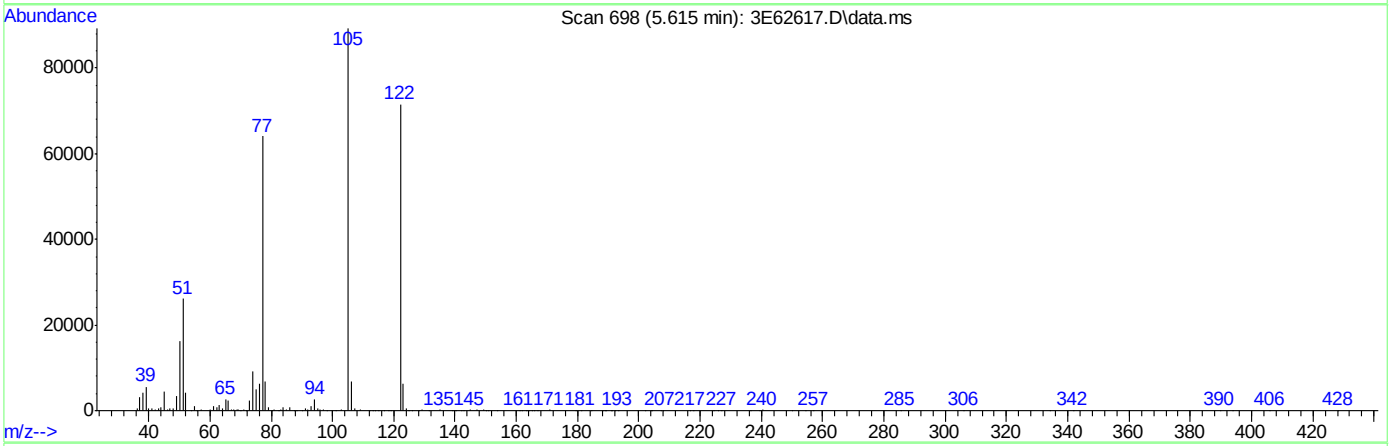
Ion	Exp%	Act%
105.00	100	100
122.00	86.70	79.81
77.05	66.20	71.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:02:38 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration





TIC: 3E62617.D\data.ms

(31) Benzoic acid (t)

5.615min (-0.011) 23.85ppb m

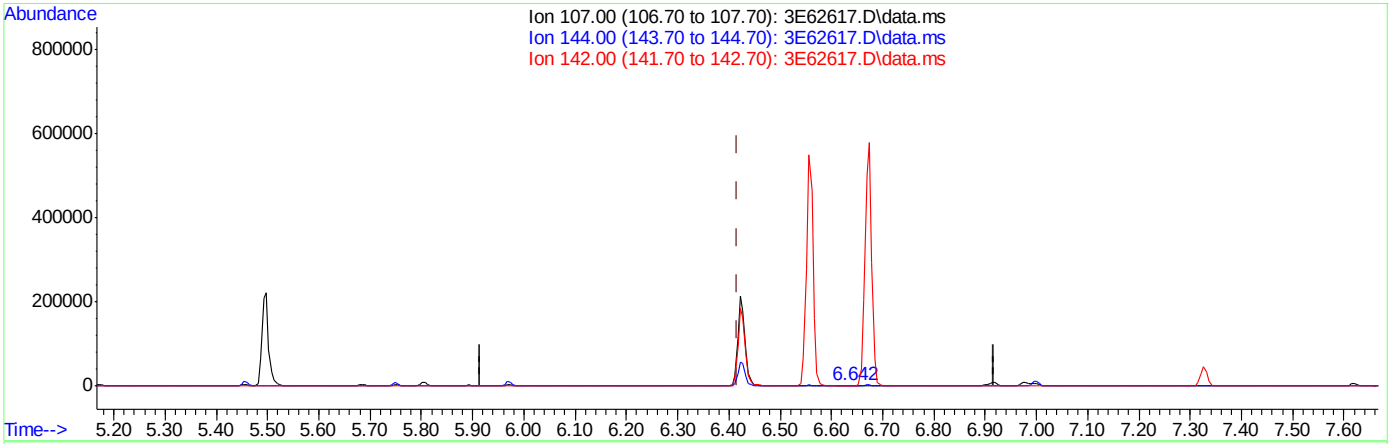
response 185276

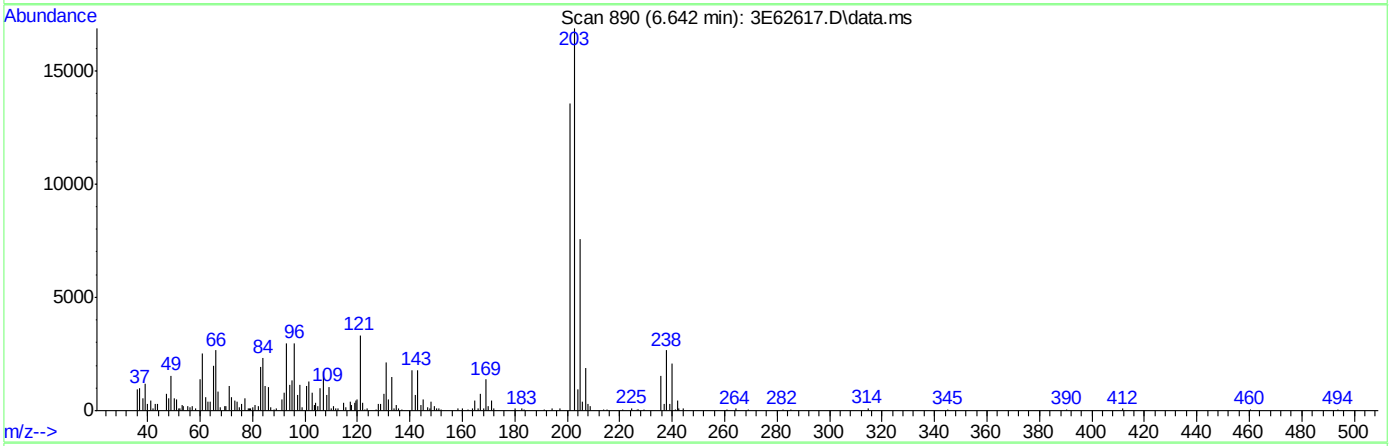
Ion	Exp%	Act%
105.00	100	100
122.00	86.70	80.16
77.05	66.20	71.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:03:26 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration





TIC: 3E62617.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.24ppb

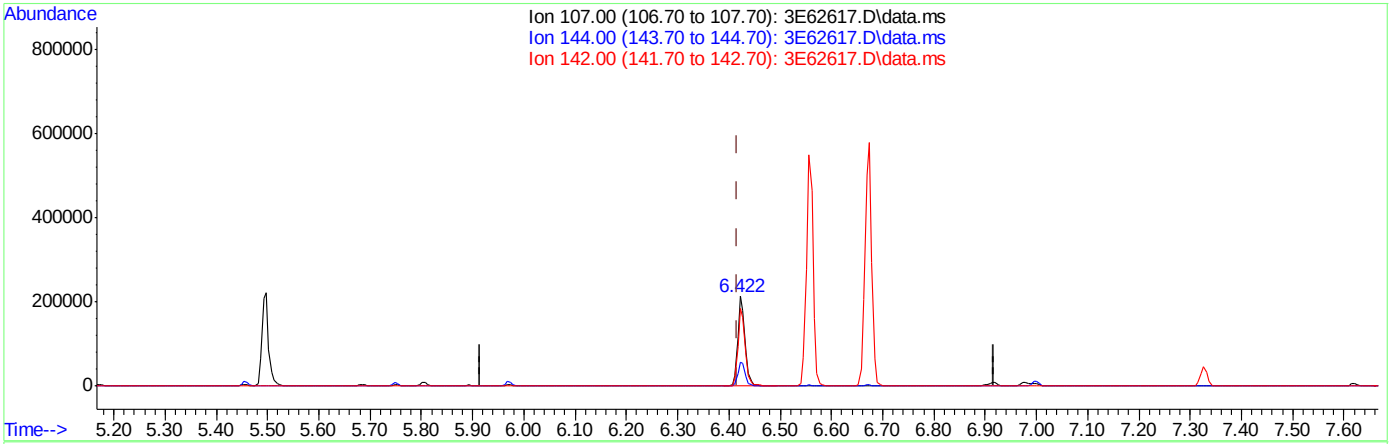
response 2260

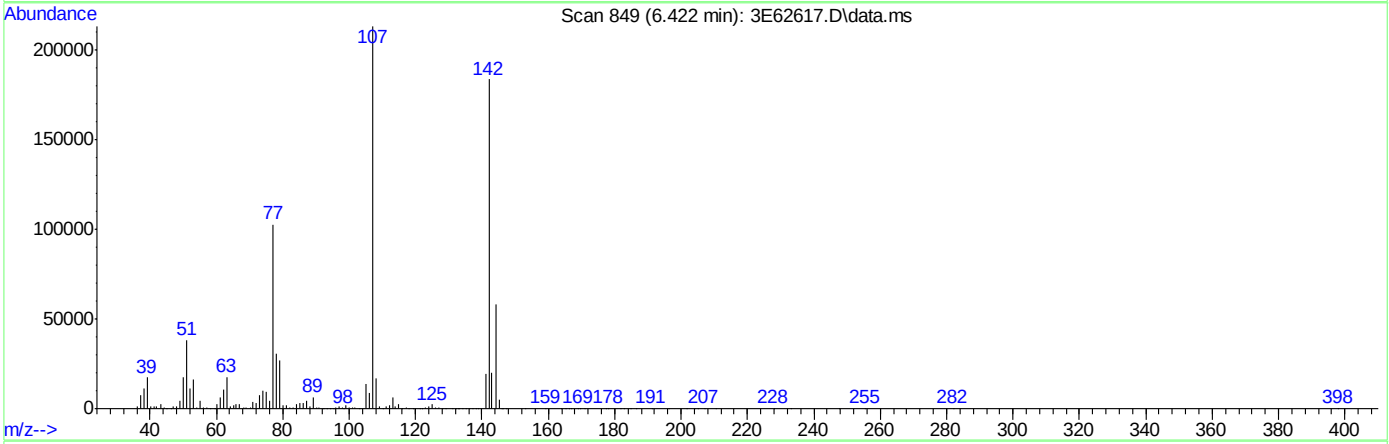
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	13.10
142.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62617.D
Acq On : 28 Jun 2014 2:05 pm
Operator : andrews1
Sample : cc2680-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 17:03:26 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Sun Jun 29 16:29:03 2014
Response via : Initial Calibration





TIC: 3E62617.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.422min (+0.006) 23.27ppb m

response 217099

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	27.34
142.00	0.00	86.18#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62618.D
Acq On : 28 Jun 2014 2:31 pm
Operator : andrews1
Sample : cc2647-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 15:08:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Tue Jul 01 15:08:14 2014
Response via : Initial Calibration

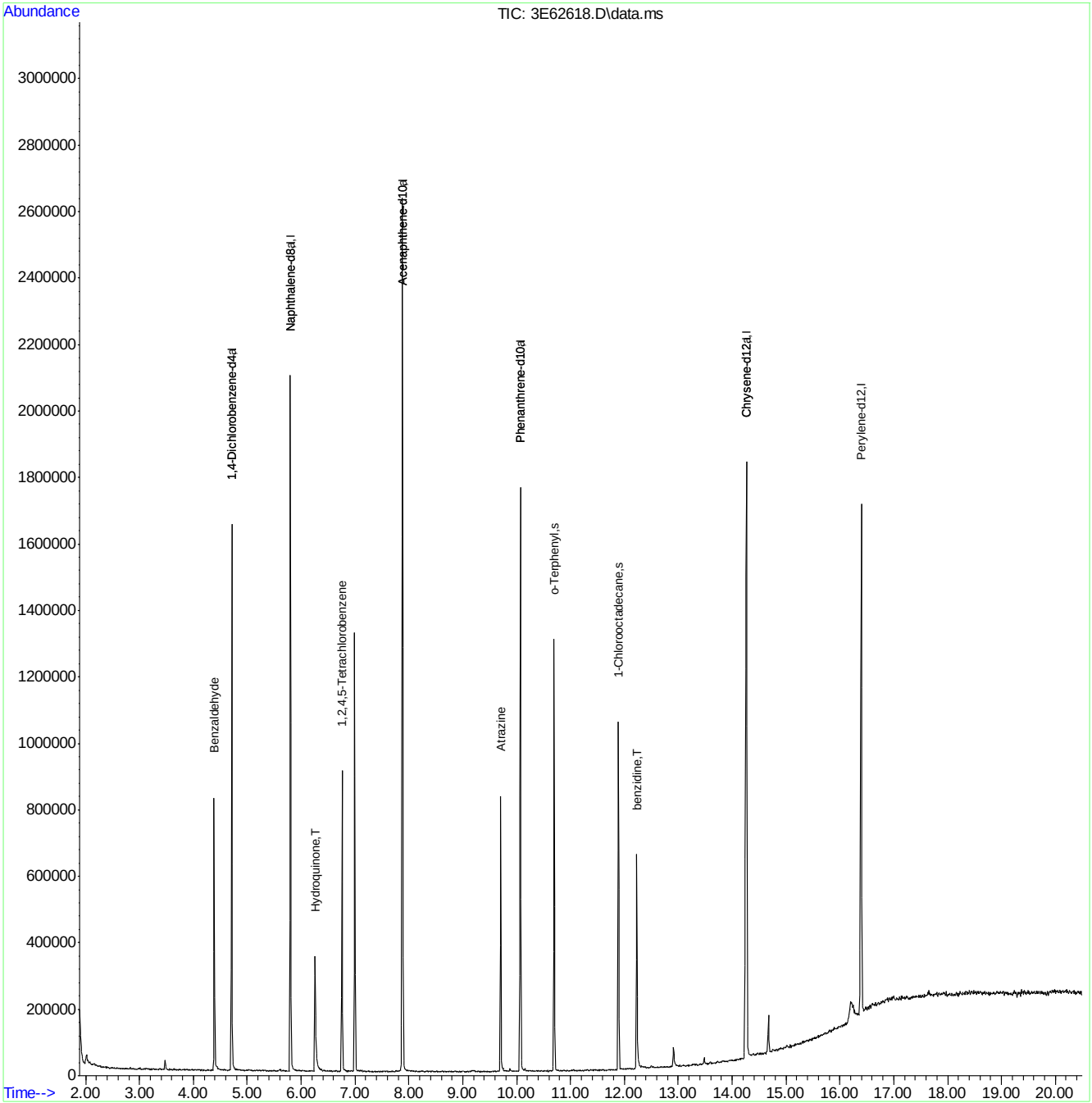
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	238372	40.00	ppb		0.00
24) Naphthalene-d8	5.802	136	900184	40.00	ppb		0.00
47) Acenaphthene-d10	7.882	164	500756	40.00	ppb		0.00
69) Phenanthrene-d10	10.070	188	779282	40.00	ppb		0.00
83) Chrysene-d12	14.269	240	742266	40.00	ppb		0.00
92) Perylene-d12	16.398	264	623369	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	238372	40.00	ppb		0.00
104) Acenaphthene-d10a	7.882	164	500756	40.00	ppb		0.00
106) Phenanthrene-d10a	10.070	188	779282	40.00	ppb		0.00
110) Chrysene-d12a	14.269	240	742266	40.00	ppb		0.00
112) Naphthalene-d8a	5.802	136	900184	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
108) o-Terphenyl	10.696	230	290458	28.39	ppb		0.00
Spiked Amount 50.000			Recovery =	56.78%			
109) 1-Chlorooctadecane	11.889	57	136097	21.39	ppb		0.00
Spiked Amount 50.000			Recovery =	42.78%			
Target Compounds							Qvalue
103) Benzaldehyde	4.384	105	156985	24.65	ppb		95
105) 1,2,4,5-Tetrachloroben...	6.759	216	157385	25.89	ppb		96
107) Atrazine	9.706	215	60767	29.88	ppb	#	83
111) benzidine	12.231	184	338717	24.82	ppb		96
113) Hydroquinone	6.256	110	203379	29.85	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2683\
Data File : 3E62618.D
Acq On : 28 Jun 2014 2:31 pm
Operator : andrews1
Sample : cc2647-25
Misc : op75684,e3e2683,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 15:08:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSun Jun 29 16:29:03 2014
QLast Update : Tue Jul 01 15:08:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.906	152	86877	40.00	ppb		0.00
24) Naphthalene-d8	6.092	136	325619	40.00	ppb		0.00
47) Acenaphthene-d10	8.496	164	198975	40.00	ppb		0.00
69) Phenanthrene-d10	11.146	188	340270	40.00	ppb		0.00
83) Chrysene-d12	16.339	240	346408	40.00	ppb		0.00
92) Perylene-d12	18.956	264	274515	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	86877	40.00	ppb		0.00
104) Acenaphthene-d10a	8.496	164	198975	40.00	ppb		0.00
107) Chrysene-d12a	16.339	240	346408	40.00	ppb		0.00
110) Phenanthrene-d10a	11.146	188	340270	40.00	ppb		0.00
112) Naphthalene-d8a	6.092	136	325619	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.902	112	311699	100.30	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.60%		
8) Phenol-d5	4.618	99	398540	98.90	ppb		0.00
Spiked Amount 50.000			Recovery	=	197.80%		
25) Nitrobenzene-d5	5.377	82	326440	98.52	ppb		0.00
Spiked Amount 50.000			Recovery	=	197.04%		
51) 2-Fluorobiphenyl	7.460	172	649125	96.24	ppb		0.00
Spiked Amount 50.000			Recovery	=	192.48%		
73) 2,4,6-Tribromophenol	9.864	330	80552	108.04	ppb		0.00
Spiked Amount 50.000			Recovery	=	216.08%		
86) Terphenyl-d14	14.335	244	768437	98.83	ppb		0.00
Spiked Amount 50.000			Recovery	=	197.66%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	2.470	88	142411	88.43	ppb		98
3) Pyridine	2.780	79	384636	97.57	ppb		98
4) N-Nitrosodimethylamine	2.748	42	138928	97.52	ppb		92
6) Indene	5.120	116	536520	95.96	ppb		99
7) Cumene	4.297	105	784836	98.13	ppb		99
9) Phenol	4.629	94	466378	100.71	ppb		98
10) Aniline	4.645	93	502406	96.28	ppb		100
11) bis(2-Chloroethyl)ether	4.693	93	301711	97.18	ppb		99
12) 2-Chlorophenol	4.741	128	334743	100.23	ppb		99
13) Decane	4.778	43	228257	92.99	ppb		96
14) 1,3-Dichlorobenzene	4.864	146	344659	100.03	ppb		98
15) 1,4-Dichlorobenzene	4.922	146	351006	96.68	ppb		98
16) Benzyl alcohol	5.013	108	229485	98.85	ppb		98
17) 1,2-Dichlorobenzene	5.045	146	326807	97.53	ppb		96
18) Acetophenone	5.243	105	445810	95.79	ppb		96
19) 2-Methylphenol	5.109	108	299778	98.73	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.125	121	96320	99.20	ppb		98
21) 3&4-Methylphenol	5.238	108	310921	98.01	ppb	#	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.243	70	208296	91.96	ppb	99
23) Hexachloroethane	5.344	201	122727	99.64	ppb	98
26) Nitrobenzene	5.393	77	362022	97.66	ppb	99
27) Quinoline	6.504	129	669492	97.21	ppb	99
28) Isophorone	5.617	82	624815	96.72	ppb	99
29) 2-Nitrophenol	5.697	139	176656	102.65	ppb	93
30) 2,4-Dimethylphenol	5.729	107	334340	98.39	ppb	99
31) Benzoic acid	5.852	105	261575	112.44	ppb	91
32) bis(2-Chloroethoxy)met...	5.820	93	352015	95.11	ppb	99
33) 2,4-Dichlorophenol	5.937	162	258672	101.03	ppb	95
34) 2,6-Dichlorophenol	6.183	162	251353	98.49	ppb	98
35) 1,3,5-Trichlorobenzene	5.708	180	297649	96.63	ppb	98
36) 1,2,4-Trichlorobenzene	6.028	180	286640	96.89	ppb	99
37) 1,2,3-Trichlorobenzene	6.279	180	291395	95.96	ppb	99
38) Naphthalene	6.114	128	932549	96.28	ppb	99
39) 4-Chloroaniline	6.167	127	419435	97.70	ppb	98
40) 2,3-Dichloroaniline	7.332	161	321284	97.83	ppb	98
41) Caprolactam	6.600	55	132201	97.51	ppb	98
42) Hexachlorobutadiene	6.258	225	163745	97.33	ppb	99
43) 4-Chloro-3-methylphenol	6.749	107	299090	100.83	ppb	98
44) 2-Methylnaphthalene	6.947	141	526442	97.03	ppb	99
45) 1-Methylnaphthalene	7.081	142	600587	97.22	ppb	99
46) Dimethylnaphthalene	7.845	156	554667	98.24	ppb	99
48) Hexachlorocyclopentadiene	7.171	237	372395	214.68	ppb	99
49) 2,4,6-Trichlorophenol	7.337	196	189791	99.68	ppb	99
50) 2,4,5-Trichlorophenol	7.391	196	210483	102.08	ppb	96
52) 2-Chloronaphthalene	7.631	162	612810	97.31	ppb	99
53) Biphenyl	7.610	154	763319	95.41	ppb	99
54) 2-Nitroaniline	7.786	65	183671	103.07	ppb	96
55) Dimethylphthalate	8.096	163	660628	98.07	ppb	99
56) Acenaphthylene	8.267	152	962386	98.60	ppb	99
57) 2,6-Dinitrotoluene	8.176	165	163398	108.89	ppb	98
58) 3-Nitroaniline	8.443	138	184243	103.62	ppb	97
59) Acenaphthene	8.555	153	579435	96.20	ppb	99
60) 2,4-Dinitrophenol	8.619	184	202803	259.72	ppb	88
61) 4-Nitrophenol	8.753	109	104260	109.50	ppb	99
62) Dibenzofuran	8.844	168	830216	95.10	ppb	99
63) 2,4-Dinitrotoluene	8.844	165	219785	107.98	ppb	98
64) 2,3,4,6-Tetrachlorophenol	9.068	232	170014	105.55	ppb	96
65) Diethylphthalate	9.308	149	652300	98.82	ppb	99
66) Fluorene	9.437	166	683338	99.36	ppb	99
67) 4-Chlorophenyl-phenyle...	9.463	204	324515	97.81	ppb	99
68) 4-Nitroaniline	9.501	138	187792	103.28	ppb	99
70) 4,6-Dinitro-2-methylph...	9.554	198	140623	128.07	ppb	98
71) n-Nitrosodiphenylamine	9.682	169	457842	98.10	ppb	98
72) 1,2-Diphenylhydrazine	9.746	77	729400	98.52	ppb	99
74) 4-Bromophenyl-phenylether	10.350	248	173131	99.22	ppb	98
75) Hexachlorobenzene	10.446	284	184486	98.88	ppb	97
76) Pentachlorophenol	10.820	266	262312	215.28	ppb	97
77) Phenanthrene	11.194	178	990179	96.76	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration

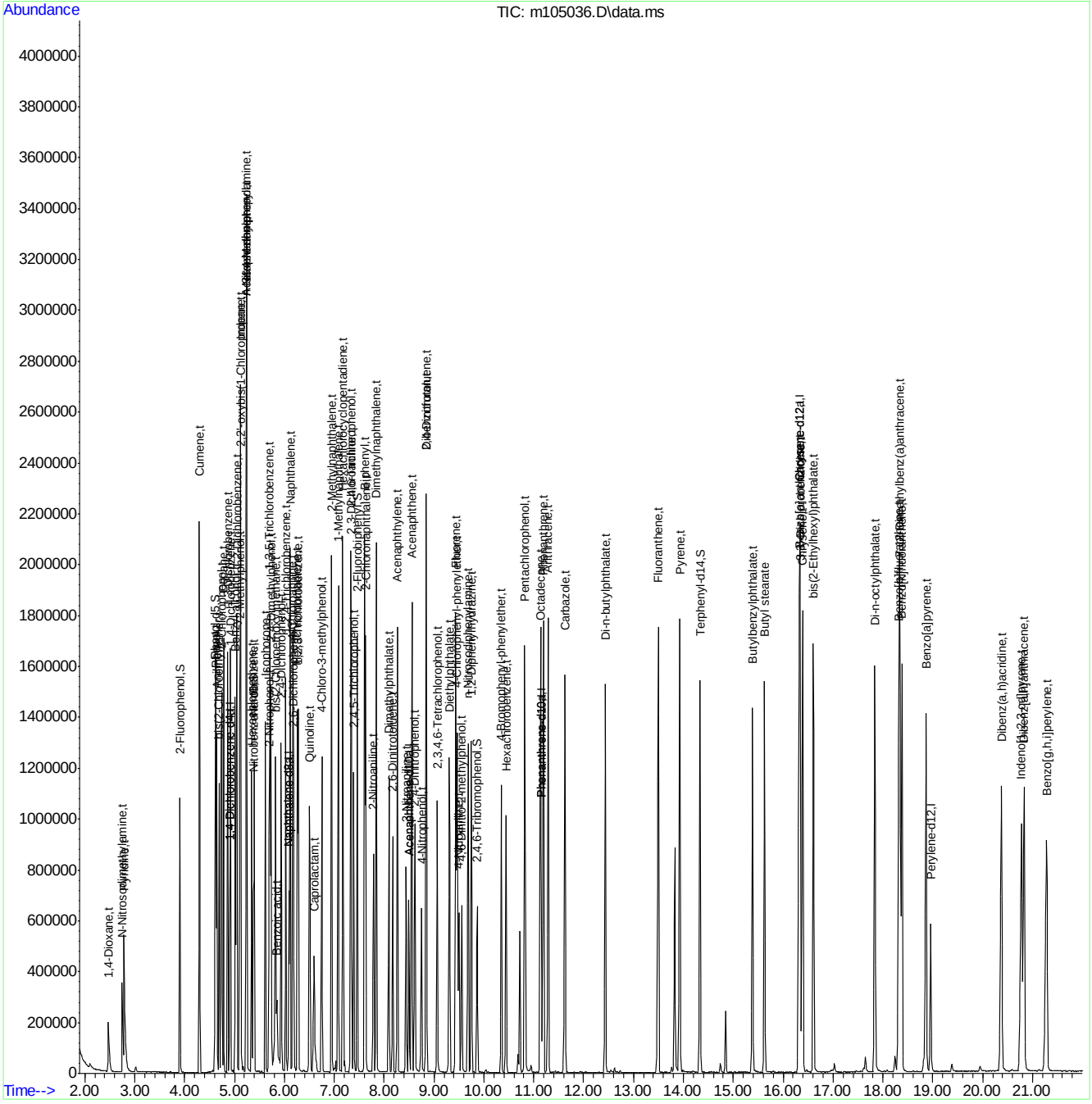
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.290	178	1017917	100.89	ppb	100
79) Carbazole	11.627	167	971620	99.20	ppb	100
80) Di-n-butylphthalate	12.434	149	1142823	102.86	ppb	100
81) Fluoranthene	13.497	202	1096740	99.27	ppb	99
82) Octadecane	11.130	57	342529	101.00	ppb	98
84) Pyrene	13.929	202	1155156	97.40	ppb	100
85) Butyl stearate	15.628	56	258806	103.69	ppb	95
87) Butylbenzylphthalate	15.388	149	526430	103.34	ppb	100
88) Benzo[a]anthracene	16.323	228	1036918	95.43	ppb	100
89) 3,3'-Dichlorobenzidine	16.344	252	377771	101.55	ppb	99
90) Chrysene	16.392	228	980429	97.31	ppb	100
91) bis(2-Ethylhexyl)phtha...	16.606	149	723442	105.36	ppb	98
93) Di-n-octylphthalate	17.840	149	1261806	109.50	ppb	100
94) Benzo[b]fluoranthene	18.321	252	990494	98.80	ppb	99
95) Benzo[k]fluoranthene	18.385	252	921334	95.98	ppb	99
96) Benzo[a]pyrene	18.871	252	863616	98.84	ppb	98
97) Indeno[1,2,3-cd]pyrene	20.778	276	797683	97.90	ppb	96
98) Dibenz(a,h)acridine	20.377	279	738181	103.64	ppb	98
99) Dibenz[a,h]anthracene	20.831	278	822976	98.34	ppb	99
100) 7,12-Dimethylbenz(a)an...	18.342	256	493604	106.70	ppb	99
101) Benzo[g,h,i]perylene	21.280	276	788048	100.26	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/16/14 13:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.902	152	93585	40.00	ppb		0.00
24) Naphthalene-d8	6.082	136	349559	40.00	ppb		-0.01
47) Acenaphthene-d10	8.492	164	210503	40.00	ppb		0.00
69) Phenanthrene-d10	11.136	188	364766	40.00	ppb		-0.01
83) Chrysene-d12	16.323	240	372717	40.00	ppb		-0.02
92) Perylene-d12	18.951	264	306563	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	93585	40.00	ppb		0.00
104) Acenaphthene-d10a	8.492	164	210503	40.00	ppb		0.00
107) Chrysene-d12a	16.323	240	372717	40.00	ppb		-0.02
110) Phenanthrene-d10a	11.136	188	364766	40.00	ppb		-0.01
112) Naphthalene-d8a	6.082	136	349559	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.897	112	3370	1.00	ppb		0.00
Spiked Amount 50.000			Recovery =	2.00%			
8) Phenol-d5	4.602	99	4744	1.11	ppb		-0.02
Spiked Amount 50.000			Recovery =	2.22%			
25) Nitrobenzene-d5	5.366	82	3670	1.05	ppb		-0.01
Spiked Amount 50.000			Recovery =	2.10%			
51) 2-Fluorobiphenyl	7.450	172	7746	1.13	ppb		-0.01
Spiked Amount 50.000			Recovery =	2.26%			
73) 2,4,6-Tribromophenol	9.848	330	599	0.69	ppb		-0.02
Spiked Amount 50.000			Recovery =	1.38%			
86) Terphenyl-d14	14.320	244	8309	1.00	ppb		-0.02
Spiked Amount 50.000			Recovery =	2.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.482	88	2352	1.53	ppb		89
3) Pyridine	2.813	79	4779	1.15	ppb		96
4) N-Nitrosodimethylamine	2.759	42	1776	1.19	ppb		95
6) Indene	5.115	116	6826	1.18	ppb		93
7) Cumene	4.293	105	9433	1.12	ppb		94
9) Phenol	4.613	94	5134	1.02	ppb		86
10) Aniline	4.640	93	6649	1.23	ppb		99
11) bis(2-Chloroethyl)ether	4.688	93	3766	1.16	ppb		98
12) 2-Chlorophenol	4.736	128	3734	1.04	ppb		93
13) Decane	4.773	43	3107	1.26	ppb		96
14) 1,3-Dichlorobenzene	4.859	146	3842	1.03	ppb		92
15) 1,4-Dichlorobenzene	4.918	146	4448	1.18	ppb		95
16) Benzyl alcohol	5.008	108	2792	1.13	ppb		87
17) 1,2-Dichlorobenzene	5.046	146	3985	1.13	ppb		86
18) Acetophenone	5.233	105	5720	1.19	ppb		97
19) 2-Methylphenol	5.099	108	3510	1.09	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.121	121	1104	1.06	ppb		88
21) 3&4-Methylphenol	5.222	108	3797	1.13	ppb	#	65

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.228	70	3047	1.36	ppb		97
23) Hexachloroethane	5.340	201	1400	1.06	ppb		90
26) Nitrobenzene	5.388	77	4204	1.08	ppb		97
27) Quinoline	6.483	129	8085	1.12	ppb		93
28) Isophorone	5.601	82	7554	1.13	ppb		92
29) 2-Nitrophenol	5.687	139	1628	0.86	ppb		91
30) 2,4-Dimethylphenol	5.719	107	3929	1.09	ppb		95
31) Benzoic acid	5.751	105	1746	0.62	ppb	#	64
32) bis(2-Chloroethoxy)met...	5.810	93	4477	1.18	ppb		89
33) 2,4-Dichlorophenol	5.927	162	2650	0.95	ppb		89
34) 2,6-Dichlorophenol	6.168	162	2844	1.05	ppb		89
35) 1,3,5-Trichlorobenzene	5.703	180	3499	1.10	ppb		96
36) 1,2,4-Trichlorobenzene	6.023	180	3407	1.11	ppb		86
37) 1,2,3-Trichlorobenzene	6.269	180	3686	1.18	ppb		90
38) Naphthalene	6.109	128	11162	1.11	ppb		97
39) 4-Chloroaniline	6.157	127	4981	1.11	ppb		95
40) 2,3-Dichloroaniline	7.322	161	3705	1.07	ppb		96
41) Caprolactam	6.520	55	1603	1.13	ppb		87
42) Hexachlorobutadiene	6.253	225	1914	1.09	ppb		92
43) 4-Chloro-3-methylphenol	6.729	107	3163	0.99	ppb		78
44) 2-Methylnaphthalene	6.937	141	6332	1.12	ppb		94
45) 1-Methylnaphthalene	7.071	142	7177	1.11	ppb		95
46) Dimethylnaphthalene	7.829	156	6452	1.08	ppb		90
48) Hexachlorocyclopentadiene	7.167	237	2919	1.48	ppb		80
49) 2,4,6-Trichlorophenol	7.327	196	2075	1.03	ppb		86
50) 2,4,5-Trichlorophenol	7.375	196	2144	0.96	ppb		84
52) 2-Chloronaphthalene	7.615	162	7116	1.10	ppb		94
53) Biphenyl	7.594	154	9385	1.16	ppb		98
54) 2-Nitroaniline	7.770	65	1703	0.88	ppb		90
55) Dimethylphthalate	8.075	163	7584	1.09	ppb		98
56) Acenaphthylene	8.257	152	10692	1.05	ppb		99
57) 2,6-Dinitrotoluene	8.155	165	1207	0.70	ppb		71
58) 3-Nitroaniline	8.422	138	1727	0.89	ppb		98
59) Acenaphthene	8.540	153	6989	1.14	ppb		93
60) 2,4-Dinitrophenol	8.598	184	427	0.40	ppb		72
61) 4-Nitrophenol	8.721	109	809	0.73	ppb	#	80
62) Dibenzofuran	8.833	168	10457	1.19	ppb		94
63) 2,4-Dinitrotoluene	8.823	165	1679	0.72	ppb		94
64) 2,3,4,6-Tetrachlorophenol	9.058	232	1468	0.82	ppb		92
65) Diethylphthalate	9.288	149	7211	1.04	ppb		96
66) Fluorene	9.426	166	7530	1.04	ppb		92
67) 4-Chlorophenyl-phenyle...	9.453	204	3724	1.08	ppb		91
68) 4-Nitroaniline	9.458	138	1793	0.90	ppb		90
70) 4,6-Dinitro-2-methylph...	9.523	198	289	0.19	ppb	#	36
71) n-Nitrosodiphenylamine	9.667	169	5144	1.05	ppb		94
72) 1,2-Diphenylhydrazine	9.731	77	8137	1.04	ppb		91
74) 4-Bromophenyl-phenylether	10.340	248	1867	1.01	ppb		88
75) Hexachlorobenzene	10.431	284	2037	1.03	ppb		95
76) Pentachlorophenol	10.810	266	2017	1.43	ppb		80
77) Phenanthrene	11.179	178	12047	1.13	ppb		96

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.275	178	10660	0.98	ppb	93
79) Carbazole	11.606	167	11054	1.06	ppb	97
80) Di-n-butylphthalate	12.423	149	11191	0.91	ppb	98
81) Fluoranthene	13.481	202	12389	1.05	ppb	99
82) Octadecane	11.125	57	3441	0.94	ppb	87
84) Pyrene	13.908	202	13283	1.07	ppb	95
85) Butyl stearate	15.618	56	2306	0.83	ppb	88
87) Butylbenzylphthalate	15.378	149	4906	0.87	ppb	99
88) Benzo[a]anthracene	16.302	228	12844	1.15	ppb	96
89) 3,3'-Dichlorobenzidine	16.328	252	3690	0.91	ppb	88
90) Chrysene	16.366	228	11444	1.08	ppb	91
91) bis(2-Ethylhexyl)phtha...	16.601	149	6194	0.80	ppb	93
93) Di-n-octylphthalate	17.824	149	11334	0.80	ppb	96
94) Benzo[b]fluoranthene	18.300	252	12426	1.12	ppb	97
95) Benzo[k]fluoranthene	18.348	252	12223	1.19	ppb	99
96) Benzo[a]pyrene	18.845	252	10639	1.10	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.736	276	10226m	1.15	ppb	
98) Dibenz(a,h)acridine	20.356	279	7540	0.91	ppb	96
99) Dibenz[a,h]anthracene	20.800	278	10151	1.10	ppb	91
100) 7,12-Dimethylbenz(a)an...	18.310	256	4622	0.84	ppb	90
101) Benzo[g,h,i]perylene	21.233	276	9277	1.05	ppb	93

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

9.6.47

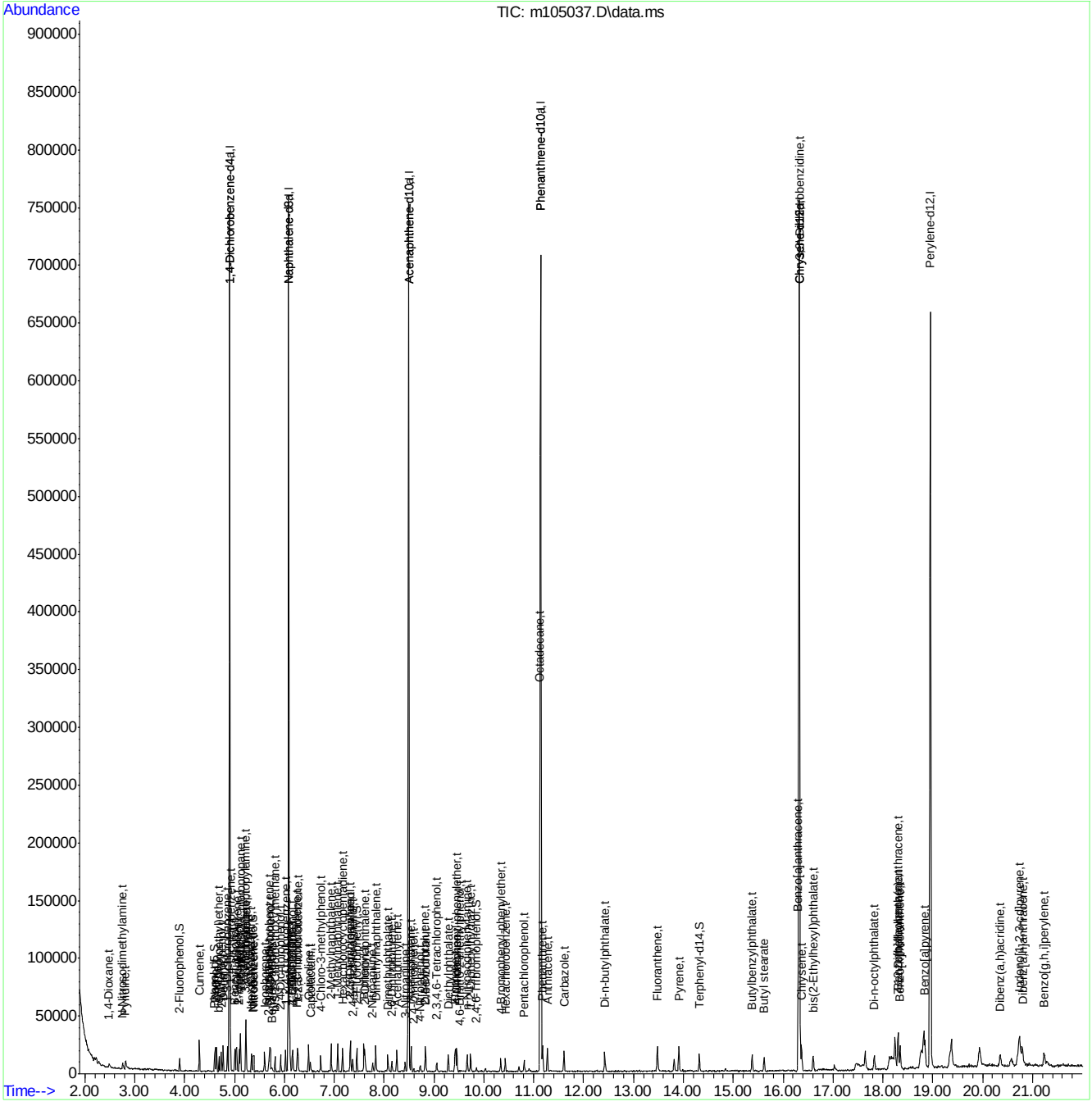
6

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Manual Integration Approval Summary

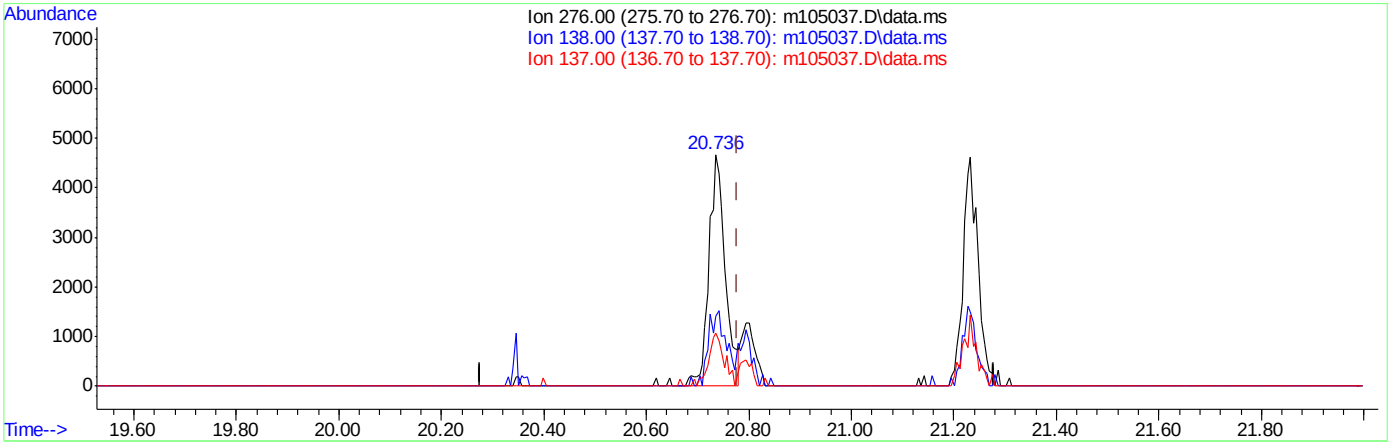
Sample Number:	EM4300-IC4300	**Method:**	SW846 8270D
Lab FileID:	M105037.D	**Analyst approved:**	06/12/14 15:11 Saumil Patel
Injection Time:	06/12/14 11:07	**Supervisor approved:**	06/16/14 13:29 Nina Pandya

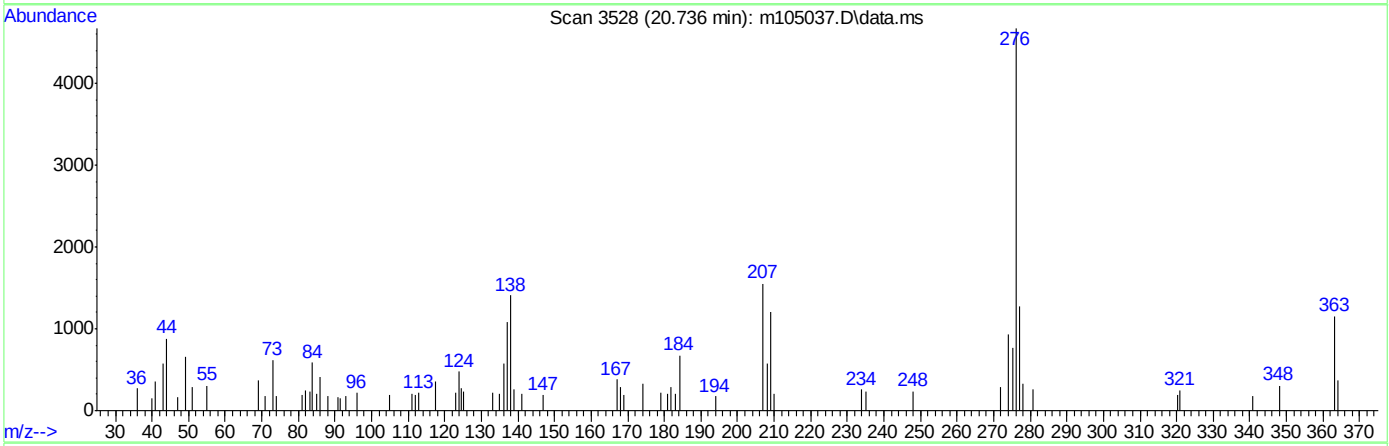
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		20.74	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration





TIC: m105037.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

20.736min (-0.042) 1.15ppb m

response 10226

Ion	Exp%	Act%
276.00	100	100
138.00	28.40	30.17
137.00	20.40	23.13
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	87364	40.00	ppb	0.00
24) Naphthalene-d8	6.088	136	317909	40.00	ppb	0.00
47) Acenaphthene-d10	8.498	164	193247	40.00	ppb	0.00
69) Phenanthrene-d10	11.142	188	328476	40.00	ppb	0.00
83) Chrysene-d12	16.335	240	327542	40.00	ppb	0.01
92) Perylene-d12	18.958	264	264777	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	87364	40.00	ppb	0.00
104) Acenaphthene-d10a	8.498	164	193247	40.00	ppb	0.00
107) Chrysene-d12a	16.335	240	327542	40.00	ppb	0.01
110) Phenanthrene-d10a	11.142	188	328476	40.00	ppb	0.00
112) Naphthalene-d8a	6.088	136	317909	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.898	112	259352	82.59	ppb	0.00
Spiked Amount 50.000			Recovery =	165.18%		
8) Phenol-d5	4.614	99	325285	77.11	ppb	0.01
Spiked Amount 50.000			Recovery =	154.22%		
25) Nitrobenzene-d5	5.373	82	267679	82.05	ppb	0.00
Spiked Amount 50.000			Recovery =	164.10%		
51) 2-Fluorobiphenyl	7.461	172	527651	78.66	ppb	0.01
Spiked Amount 50.000			Recovery =	157.32%		
73) 2,4,6-Tribromophenol	9.860	330	64104	97.35	ppb	0.01
Spiked Amount 50.000			Recovery =	194.70%		
86) Terphenyl-d14	14.331	244	607348	83.38	ppb	0.01
Spiked Amount 50.000			Recovery =	166.76%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.472	88	118039	65.08	ppb	99
3) Pyridine	2.782	79	313634	75.31	ppb	99
4) N-Nitrosodimethylamine	2.744	42	110792	72.53	ppb	100
6) Indene	5.121	116	442578	75.22	ppb	98
7) Cumene	4.293	105	635422	76.11	ppb	98
9) Phenol	4.625	94	381037	80.37	ppb	100
10) Aniline	4.646	93	414482	73.63	ppb	98
11) bis(2-Chloroethyl)ether	4.689	93	247332	75.52	ppb	98
12) 2-Chlorophenol	4.742	128	273768	79.91	ppb	96
13) Decane	4.774	43	190411	73.29	ppb	97
14) 1,3-Dichlorobenzene	4.860	146	282524	80.12	ppb	98
15) 1,4-Dichlorobenzene	4.918	146	283321	73.76	ppb	97
16) Benzyl alcohol	5.015	108	185314	75.42	ppb	96
17) 1,2-Dichlorobenzene	5.047	146	267819	76.45	ppb	97
18) Acetophenone	5.239	105	367178	74.76	ppb	96
19) 2-Methylphenol	5.105	108	244765	77.81	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.127	121	79233	79.26	ppb	99
21) 3&4-Methylphenol	5.234	108	252478	75.69	ppb	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.239	70	174050	70.48	ppb	97
23) Hexachloroethane	5.340	201	99696	78.47	ppb	94
26) Nitrobenzene	5.394	77	295865	80.42	ppb	94
27) Quinoline	6.500	129	535726	77.14	ppb	100
28) Isophorone	5.613	82	508381	78.39	ppb	100
29) 2-Nitrophenol	5.693	139	144153	89.95	ppb	96
30) 2,4-Dimethylphenol	5.725	107	270260	79.05	ppb	99
31) Benzoic acid	5.843	105	209940	101.38	ppb	97
32) bis(2-Chloroethoxy)met...	5.821	93	286804	76.40	ppb	98
33) 2,4-Dichlorophenol	5.933	162	210526	85.31	ppb	98
34) 2,6-Dichlorophenol	6.179	162	203041	80.56	ppb	98
35) 1,3,5-Trichlorobenzene	5.709	180	242545	79.68	ppb	99
36) 1,2,4-Trichlorobenzene	6.030	180	231015	78.35	ppb	99
37) 1,2,3-Trichlorobenzene	6.275	180	231898	74.84	ppb	97
38) Naphthalene	6.115	128	763367	79.29	ppb	98
39) 4-Chloroaniline	6.169	127	336013	77.92	ppb	98
40) 2,3-Dichloroaniline	7.328	161	261081	80.25	ppb	99
41) Caprolactam	6.585	55	105315	76.63	ppb	97
42) Hexachlorobutadiene	6.259	225	131673	78.86	ppb	99
43) 4-Chloro-3-methylphenol	6.745	107	241941	83.48	ppb	98
44) 2-Methylnaphthalene	6.943	141	423511	77.72	ppb	99
45) 1-Methylnaphthalene	7.077	142	485450	78.36	ppb	99
46) Dimethylnaphthalene	7.841	156	444903	78.86	ppb	99
48) Hexachlorocyclopentadiene	7.173	237	298452	189.60	ppb	97
49) 2,4,6-Trichlorophenol	7.338	196	151410	80.79	ppb	100
50) 2,4,5-Trichlorophenol	7.387	196	166094	82.79	ppb	99
52) 2-Chloronaphthalene	7.627	162	494863	79.28	ppb	98
53) Biphenyl	7.606	154	620213	77.39	ppb	99
54) 2-Nitroaniline	7.782	65	149981	89.61	ppb	94
55) Dimethylphthalate	8.092	163	529601	79.17	ppb	99
56) Acenaphthylene	8.263	152	771790	80.55	ppb	100
57) 2,6-Dinitrotoluene	8.172	165	128359	95.26	ppb	100
58) 3-Nitroaniline	8.439	138	147076	87.16	ppb	99
59) Acenaphthene	8.551	153	467320	77.60	ppb	99
60) 2,4-Dinitrophenol	8.610	184	156114	264.42	ppb	93
61) 4-Nitrophenol	8.743	109	80686	91.94	ppb	95
62) Dibenzofuran	8.840	168	668328	75.68	ppb	99
63) 2,4-Dinitrotoluene	8.840	165	174702	95.05	ppb	100
64) 2,3,4,6-Tetrachlorophenol	9.064	232	135675	90.48	ppb	97
65) Diethylphthalate	9.304	149	524983	81.05	ppb	98
66) Fluorene	9.433	166	541379	79.91	ppb	98
67) 4-Chlorophenyl-phenyle...	9.459	204	261240	79.52	ppb	99
68) 4-Nitroaniline	9.497	138	151243	87.17	ppb	95
70) 4,6-Dinitro-2-methylph...	9.550	198	109558	135.45	ppb	97
71) n-Nitrosodiphenylamine	9.678	169	368754	81.47	ppb	99
72) 1,2-Diphenylhydrazine	9.748	77	582591	81.09	ppb	98
74) 4-Bromophenyl-phenylether	10.346	248	139689	83.33	ppb	99
75) Hexachlorobenzene	10.442	284	147563	81.63	ppb	98
76) Pentachlorophenol	10.816	266	209580	192.78	ppb	99
77) Phenanthrene	11.190	178	784955	76.93	ppb	99

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration

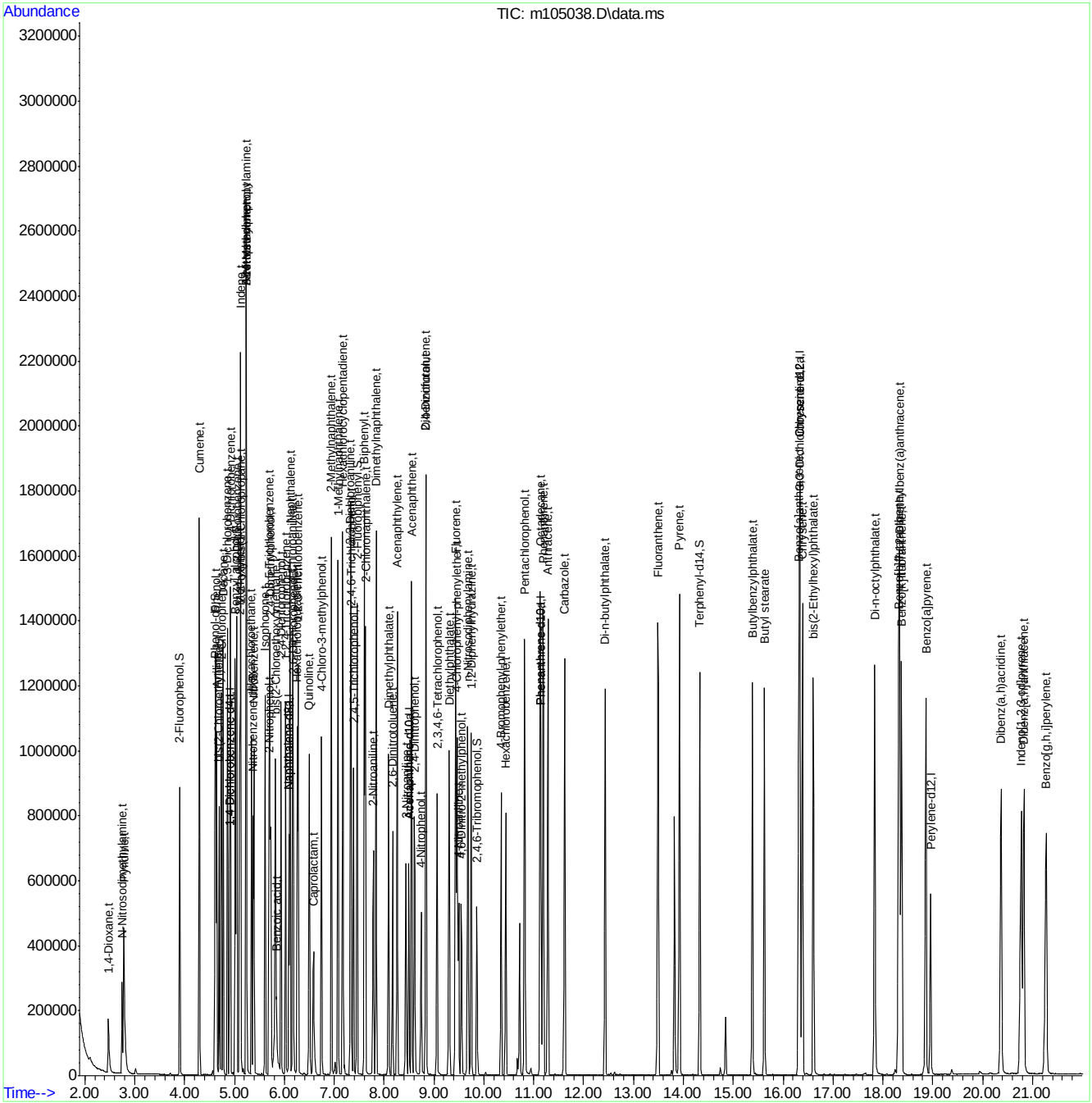
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.286	178	806313	83.01	ppb	100
79) Carbazole	11.623	167	763002	78.93	ppb	99
80) Di-n-butylphthalate	12.430	149	903025	85.56	ppb	99
81) Fluoranthene	13.493	202	859458	79.05	ppb	100
82) Octadecane	11.131	57	278145	86.85	ppb	98
84) Pyrene	13.925	202	907699	80.34	ppb	100
85) Butyl stearate	15.624	56	200707	89.73	ppb	97
87) Butylbenzylphthalate	15.384	149	411212	88.54	ppb	98
88) Benzo[a]anthracene	16.319	228	814456	77.23	ppb	100
89) 3,3'-Dichlorobenzidine	16.340	252	299469	87.89	ppb	99
90) Chrysene	16.388	228	767942	79.47	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.607	149	559564	91.11	ppb	99
93) Di-n-octylphthalate	17.836	149	965033	87.89	ppb	99
94) Benzo[b]fluoranthene	18.317	252	784541	77.35	ppb	99
95) Benzo[k]fluoranthene	18.381	252	733777	75.48	ppb	99
96) Benzo[a]pyrene	18.867	252	685228	78.23	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.774	276	638270	77.24	ppb	95
98) Dibenz(a,h)acridine	20.373	279	590633	86.65	ppb	99
99) Dibenz[a,h]anthracene	20.827	278	663941	79.49	ppb	99
100) 7,12-Dimethylbenz(a)an...	18.338	256	386991	88.43	ppb	97
101) Benzo[g,h,i]perylene	21.276	276	631557	80.90	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.903	152	113449	40.00	ppb		0.00
24) Naphthalene-d8	6.089	136	402706	40.00	ppb		0.00
47) Acenaphthene-d10	8.493	164	242937	40.00	ppb		0.00
69) Phenanthrene-d10	11.143	188	407063	40.00	ppb		0.00
83) Chrysene-d12	16.335	240	396068	40.00	ppb		0.00
92) Perylene-d12	18.958	264	349199	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	113449	40.00	ppb		0.00
104) Acenaphthene-d10a	8.493	164	242937	40.00	ppb		0.00
107) Chrysene-d12a	16.335	240	396068	40.00	ppb		0.00
110) Phenanthrene-d10a	11.143	188	407063	40.00	ppb		0.00
112) Naphthalene-d8a	6.089	136	402706	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.899	112	193352	46.91	ppb		0.00
Spiked Amount 50.000			Recovery = 93.82%				
8) Phenol-d5	4.609	99	240650	44.47	ppb		0.00
Spiked Amount 50.000			Recovery = 88.94%				
25) Nitrobenzene-d5	5.373	82	194406	46.64	ppb		0.00
Spiked Amount 50.000			Recovery = 93.28%				
51) 2-Fluorobiphenyl	7.457	172	389144	46.41	ppb		0.00
Spiked Amount 50.000			Recovery = 92.82%				
73) 2,4,6-Tribromophenol	9.861	330	47136	53.87	ppb		0.00
Spiked Amount 50.000			Recovery = 107.74%				
86) Terphenyl-d14	14.327	244	438248	49.07	ppb		0.00
Spiked Amount 50.000			Recovery = 98.14%				
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.473	88	89261	40.41	ppb		98
3) Pyridine	2.782	79	234169	44.16	ppb		98
4) N-Nitrosodimethylamine	2.750	42	83788	43.60	ppb		92
6) Indene	5.117	116	336949	45.00	ppb		99
7) Cumene	4.294	105	488848	45.83	ppb		99
9) Phenol	4.620	94	284454	46.13	ppb		99
10) Aniline	4.642	93	295369	41.51	ppb		100
11) bis(2-Chloroethyl)ether	4.690	93	184887	44.30	ppb		99
12) 2-Chlorophenol	4.738	128	205162	46.13	ppb		99
13) Decane	4.775	43	149208	45.50	ppb		96
14) 1,3-Dichlorobenzene	4.861	146	212648	46.42	ppb		98
15) 1,4-Dichlorobenzene	4.919	146	219442	45.17	ppb		98
16) Benzyl alcohol	5.010	108	136848	43.72	ppb		98
17) 1,2-Dichlorobenzene	5.048	146	202834	45.26	ppb		96
18) Acetophenone	5.240	105	279673	44.83	ppb		96
19) 2-Methylphenol	5.101	108	185905	45.93	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.122	121	59472	45.96	ppb		98
21) 3&4-Methylphenol	5.229	108	190465	44.78	ppb	#	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.235	70	129627	42.09	ppb	99
23) Hexachloroethane	5.341	201	75797	46.24	ppb	98
26) Nitrobenzene	5.389	77	216630	46.40	ppb	99
27) Quinoline	6.495	129	399695	45.98	ppb	99
28) Isophorone	5.608	82	373878	45.82	ppb	99
29) 2-Nitrophenol	5.689	139	108541	51.34	ppb	93
30) 2,4-Dimethylphenol	5.721	107	193493	44.86	ppb	99
31) Benzoic acid	5.827	105	146902	51.42	ppb	91
32) bis(2-Chloroethoxy)met...	5.817	93	212864	45.44	ppb	99
33) 2,4-Dichlorophenol	5.929	162	154043	48.21	ppb	95
34) 2,6-Dichlorophenol	6.175	162	151229	47.26	ppb	98
35) 1,3,5-Trichlorobenzene	5.705	180	184293	47.86	ppb	98
36) 1,2,4-Trichlorobenzene	6.025	180	175344	47.27	ppb	99
37) 1,2,3-Trichlorobenzene	6.276	180	175019	45.57	ppb	98
38) Naphthalene	6.111	128	571899	47.03	ppb	99
39) 4-Chloroaniline	6.164	127	249529	46.08	ppb	98
40) 2,3-Dichloroaniline	7.329	161	193537	46.92	ppb	98
41) Caprolactam	6.570	55	77887	45.38	ppb	98
42) Hexachlorobutadiene	6.255	225	100388	47.69	ppb	99
43) 4-Chloro-3-methylphenol	6.741	107	175018	46.99	ppb	98
44) 2-Methylnaphthalene	6.944	141	316481	46.29	ppb	99
45) 1-Methylnaphthalene	7.078	142	358905	46.05	ppb	99
46) Dimethylnaphthalene	7.841	156	329636	46.35	ppb	99
48) Hexachlorocyclopentadiene	7.168	237	216886	103.23	ppb	99
49) 2,4,6-Trichlorophenol	7.334	196	110397	46.70	ppb	99
50) 2,4,5-Trichlorophenol	7.382	196	120813	47.35	ppb	96
52) 2-Chloronaphthalene	7.622	162	364211	46.55	ppb	99
53) Biphenyl	7.601	154	458712	46.03	ppb	99
54) 2-Nitroaniline	7.783	65	106927	48.86	ppb	96
55) Dimethylphthalate	8.087	163	387941	46.29	ppb	99
56) Acenaphthylene	8.258	152	572410	47.41	ppb	99
57) 2,6-Dinitrotoluene	8.167	165	96161	53.37	ppb	98
58) 3-Nitroaniline	8.434	138	106495	48.75	ppb	97
59) Acenaphthene	8.547	153	346540	46.24	ppb	99
60) 2,4-Dinitrophenol	8.605	184	110242	121.99	ppb	88
61) 4-Nitrophenol	8.739	109	58780	50.75	ppb	99
62) Dibenzofuran	8.840	168	496427	45.53	ppb	99
63) 2,4-Dinitrotoluene	8.835	165	128710	52.42	ppb	98
64) 2,3,4,6-Tetrachlorophenol	9.059	232	98228	49.93	ppb	96
65) Diethylphthalate	9.300	149	385030	47.08	ppb	99
66) Fluorene	9.433	166	402414	47.27	ppb	99
67) 4-Chlorophenyl-phenyle...	9.460	204	191952	46.57	ppb	99
68) 4-Nitroaniline	9.487	138	107076	47.67	ppb	99
70) 4,6-Dinitro-2-methylph...	9.546	198	77623	62.91	ppb	98
71) n-Nitrosodiphenylamine	9.674	169	270109	47.86	ppb	98
72) 1,2-Diphenylhydrazine	9.743	77	429786	48.05	ppb	99
74) 4-Bromophenyl-phenylether	10.347	248	101575	48.23	ppb	98
75) Hexachlorobenzene	10.438	284	108094	47.93	ppb	97
76) Pentachlorophenol	10.812	266	151287	105.12	ppb	97
77) Phenanthrene	11.186	178	576062	46.15	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration

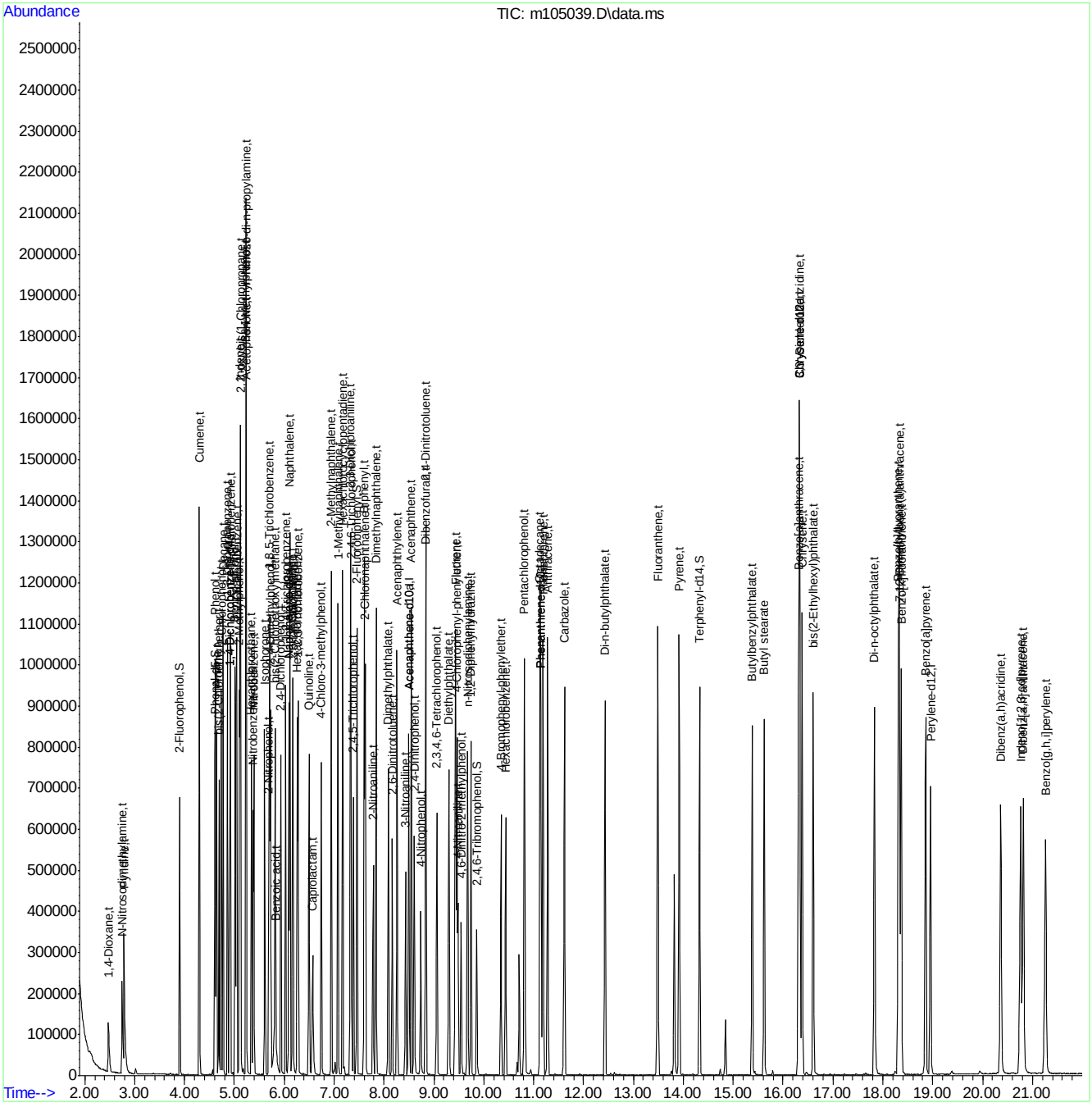
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.282	178	585696	48.06	ppb	100
79) Carbazole	11.618	167	554531	46.50	ppb	100
80) Di-n-butylphthalate	12.430	149	650807	48.63	ppb	100
81) Fluoranthene	13.488	202	630469	46.98	ppb	99
82) Octadecane	11.127	57	199072	48.77	ppb	98
84) Pyrene	13.921	202	659786	48.23	ppb	100
85) Butyl stearate	15.620	56	148589	52.80	ppb	95
87) Butylbenzylphthalate	15.379	149	292506	50.29	ppb	100
88) Benzo[a]anthracene	16.314	228	593912	47.12	ppb	100
89) 3,3'-Dichlorobenzidine	16.335	252	212284	49.88	ppb	99
90) Chrysene	16.384	228	554978	47.60	ppb	100
91) bis(2-Ethylhexyl)phtha...	16.603	149	404508	52.06	ppb	98
93) Di-n-octylphthalate	17.831	149	688090	46.01	ppb	100
94) Benzo[b]fluoranthene	18.312	252	566187	42.80	ppb	99
95) Benzo[k]fluoranthene	18.371	252	555182	44.13	ppb	99
96) Benzo[a]pyrene	18.862	252	502822	43.85	ppb	98
97) Indeno[1,2,3-cd]pyrene	20.764	276	457071	42.43	ppb	97
98) Dibenz(a,h)acridine	20.369	279	426245	46.14	ppb	98
99) Dibenz[a,h]anthracene	20.818	278	480141	43.68	ppb	99
100) 7,12-Dimethylbenz(a)an...	18.333	256	280715	46.99	ppb	99
101) Benzo[g,h,i]perylene	21.266	276	449474	43.49	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.906	152	100794	40.00	ppb	0.00
24) Naphthalene-d8	6.086	136	354887	40.00	ppb	0.00
47) Acenaphthene-d10	8.490	164	213939	40.00	ppb	0.00
69) Phenanthrene-d10	11.140	188	361916	40.00	ppb	0.00
83) Chrysene-d12	16.327	240	361873	40.00	ppb	-0.01
92) Perylene-d12	18.955	264	316861	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	100794	40.00	ppb	0.00
104) Acenaphthene-d10a	8.490	164	213939	40.00	ppb	0.00
107) Chrysene-d12a	16.327	240	361873	40.00	ppb	-0.01
110) Phenanthrene-d10a	11.140	188	361916	40.00	ppb	0.00
112) Naphthalene-d8a	6.086	136	354887	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.901	112	85078	23.60	ppb	0.00
Spiked Amount 50.000			Recovery = 47.20%			
8) Phenol-d5	4.606	99	107734	23.04	ppb	-0.01
Spiked Amount 50.000			Recovery = 46.08%			
25) Nitrobenzene-d5	5.370	82	88032	24.38	ppb	0.00
Spiked Amount 50.000			Recovery = 48.76%			
51) 2-Fluorobiphenyl	7.454	172	176518	24.34	ppb	0.00
Spiked Amount 50.000			Recovery = 48.68%			
73) 2,4,6-Tribromophenol	9.852	330	20753	26.17	ppb	-0.01
Spiked Amount 50.000			Recovery = 52.34%			
86) Terphenyl-d14	14.324	244	199237	24.53	ppb	-0.01
Spiked Amount 50.000			Recovery = 49.06%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	39963	21.39	ppb	97
3) Pyridine	2.785	79	103094	22.54	ppb	99
4) N-Nitrosodimethylamine	2.753	42	37159	22.48	ppb	94
6) Indene	5.119	116	156692	24.16	ppb	100
7) Cumene	4.297	105	226871	24.45	ppb	100
9) Phenol	4.617	94	128736	23.96	ppb	98
10) Aniline	4.644	93	141082	23.30	ppb	94
11) bis(2-Chloroethyl)ether	4.687	93	85269	23.67	ppb	99
12) 2-Chlorophenol	4.740	128	93464	24.12	ppb	95
13) Decane	4.777	43	68721	24.13	ppb	95
14) 1,3-Dichlorobenzene	4.857	146	97538	24.40	ppb	98
15) 1,4-Dichlorobenzene	4.916	146	101009	23.98	ppb	98
16) Benzyl alcohol	5.007	108	63114	23.43	ppb	95
17) 1,2-Dichlorobenzene	5.044	146	92975	23.92	ppb	98
18) Acetophenone	5.231	105	129557	23.99	ppb	85
19) 2-Methylphenol	5.098	108	84093	23.87	ppb	96
20) 2,2'-oxybis(1-Chloropr...	5.125	121	27734	24.62	ppb	97
21) 3&4-Methylphenol	5.226	108	88504	24.05	ppb	99

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.231	70	61368	23.35	ppb	99
23) Hexachloroethane	5.338	201	34154	23.90	ppb	91
26) Nitrobenzene	5.386	77	101294	25.07	ppb	97
27) Quinoline	6.487	129	177979	23.71	ppb	98
28) Isophorone	5.605	82	169577	24.09	ppb	98
29) 2-Nitrophenol	5.691	139	47946	25.56	ppb	97
30) 2,4-Dimethylphenol	5.718	107	85783	23.16	ppb	97
31) Benzoic acid	5.803	105	60638	23.92	ppb	97
32) bis(2-Chloroethoxy)met...	5.814	93	96291	23.87	ppb	100
33) 2,4-Dichlorophenol	5.931	162	69263	24.82	ppb	94
34) 2,6-Dichlorophenol	6.172	162	67384	24.23	ppb	99
35) 1,3,5-Trichlorobenzene	5.702	180	85130	25.36	ppb	96
36) 1,2,4-Trichlorobenzene	6.027	180	78475	24.34	ppb	98
37) 1,2,3-Trichlorobenzene	6.273	180	79197	23.93	ppb	97
38) Naphthalene	6.108	128	257097	24.35	ppb	100
39) 4-Chloroaniline	6.161	127	113895	24.34	ppb	100
40) 2,3-Dichloroaniline	7.326	161	85987	24.02	ppb	98
41) Caprolactam	6.546	55	35111	23.76	ppb	99
42) Hexachlorobutadiene	6.252	225	45659	24.90	ppb	97
43) 4-Chloro-3-methylphenol	6.738	107	78214	24.19	ppb	99
44) 2-Methylnaphthalene	6.941	141	141634	23.95	ppb	99
45) 1-Methylnaphthalene	7.074	142	163401	24.27	ppb	98
46) Dimethylnaphthalene	7.833	156	148139	24.07	ppb	98
48) Hexachlorocyclopentadiene	7.171	237	94245	50.53	ppb	97
49) 2,4,6-Trichlorophenol	7.331	196	49373	24.12	ppb	97
50) 2,4,5-Trichlorophenol	7.379	196	54689	24.67	ppb	99
52) 2-Chloronaphthalene	7.619	162	164295	24.26	ppb	99
53) Biphenyl	7.598	154	206624	24.02	ppb	99
54) 2-Nitroaniline	7.774	65	47697	24.89	ppb	95
55) Dimethylphthalate	8.084	163	174025	24.03	ppb	99
56) Acenaphthylene	8.255	152	252926	24.10	ppb	99
57) 2,6-Dinitrotoluene	8.159	165	41744	25.87	ppb	95
58) 3-Nitroaniline	8.426	138	46766	24.46	ppb	96
59) Acenaphthene	8.544	153	155293	23.98	ppb	100
60) 2,4-Dinitrophenol	8.597	184	41258	49.14	ppb	85
61) 4-Nitrophenol	8.730	109	25708	25.11	ppb	91
62) Dibenzofuran	8.832	168	227909	24.28	ppb	99
63) 2,4-Dinitrotoluene	8.827	165	57699	26.36	ppb	98
64) 2,3,4,6-Tetrachlorophenol	9.056	232	43146	24.91	ppb	98
65) Diethylphthalate	9.297	149	172149	24.26	ppb	99
66) Fluorene	9.425	166	179640	24.29	ppb	98
67) 4-Chlorophenyl-phenyle...	9.457	204	87192	24.44	ppb	99
68) 4-Nitroaniline	9.473	138	49038	25.08	ppb	96
70) 4,6-Dinitro-2-methylph...	9.537	198	29988	25.68	ppb	96
71) n-Nitrosodiphenylamine	9.671	169	120706	24.32	ppb	100
72) 1,2-Diphenylhydrazine	9.740	77	192759	24.48	ppb	98
74) 4-Bromophenyl-phenylether	10.344	248	44354	23.90	ppb	98
75) Hexachlorobenzene	10.435	284	49087	24.74	ppb	95
76) Pentachlorophenol	10.809	266	66838	51.57	ppb	97
77) Phenanthrene	11.183	178	263600	24.22	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	11.279	178	266867	24.87	ppb	98
79)	Carbazole	11.610	167	253362	24.32	ppb	99
80)	Di-n-butylphthalate	12.427	149	292428	24.75	ppb	100
81)	Fluoranthene	13.485	202	282165	24.01	ppb	98
82)	Octadecane	11.124	57	91054	25.24	ppb	99
84)	Pyrene	13.912	202	304927	24.61	ppb	99
85)	Butyl stearate	15.617	56	65345	25.06	ppb	96
87)	Butylbenzylphthalate	15.376	149	128865	24.22	ppb	99
88)	Benzo[a]anthracene	16.311	228	271149	23.89	ppb	98
89)	3,3'-Dichlorobenzidine	16.327	252	97148	25.00	ppb	97
90)	Chrysene	16.375	228	255867	24.31	ppb	99
91)	bis(2-Ethylhexyl)phtha...	16.599	149	176661	24.63	ppb	99
93)	Di-n-octylphthalate	17.828	149	295305	22.20	ppb	99
94)	Benzo[b]fluoranthene	18.304	252	259825	22.45	ppb	98
95)	Benzo[k]fluoranthene	18.357	252	255408	23.05	ppb	99
96)	Benzo[a]pyrene	18.854	252	226542	22.46	ppb	97
97)	Indeno[1,2,3-cd]pyrene	20.756	276	201811	21.46	ppb	98
98)	Dibenz(a,h)acridine	20.355	279	189368	23.03	ppb	95
99)	Dibenz[a,h]anthracene	20.809	278	212522	22.00	ppb	98
100)	7,12-Dimethylbenz(a)an...	18.320	256	123567	23.14	ppb	97
101)	Benzo[g,h,i]perylene	21.247	276	204451	22.54	ppb	99

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

9.6.9.50

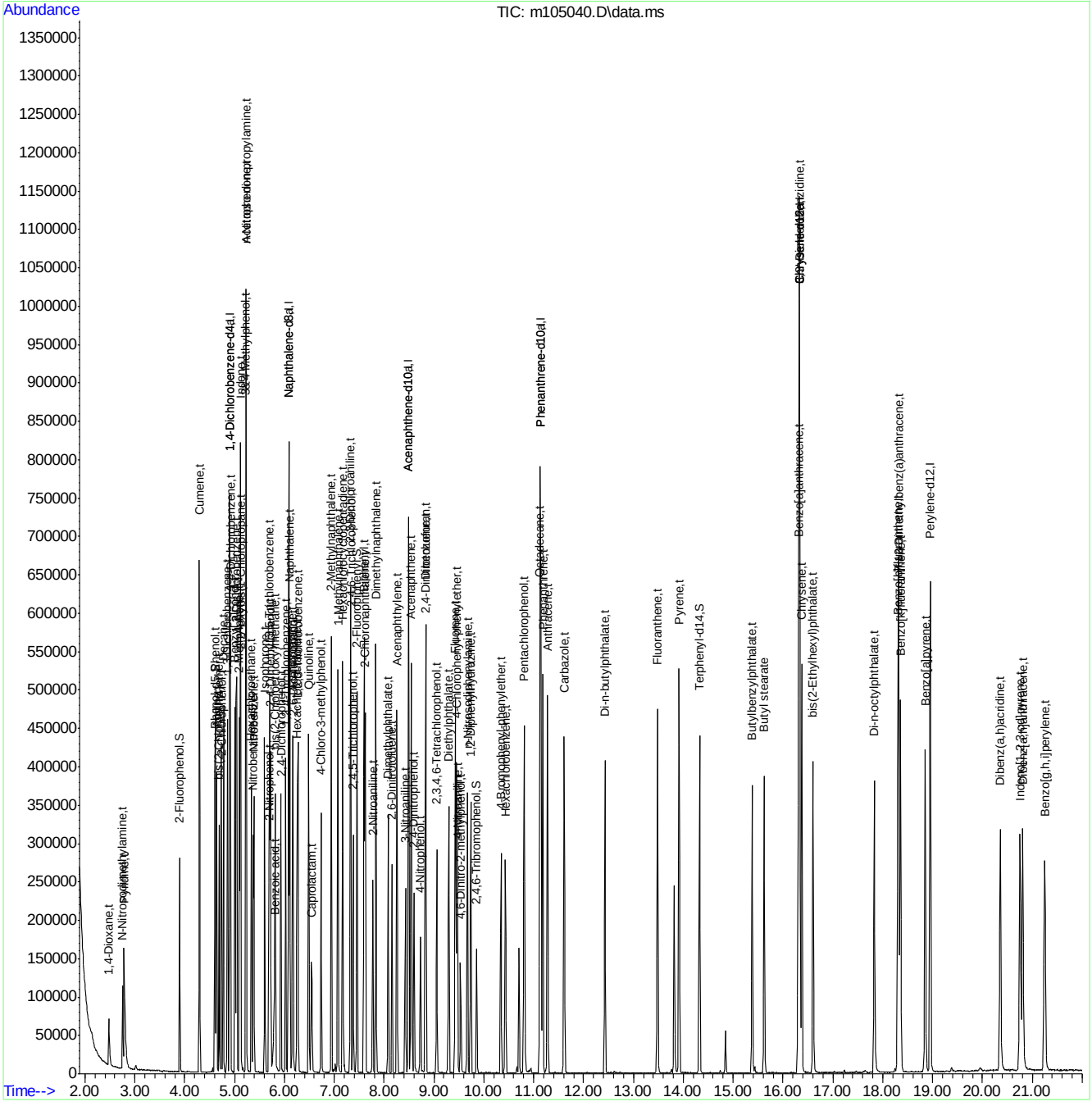
6

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.901	152	89086	40.00	ppb		0.00
24) Naphthalene-d8	6.087	136	321562	40.00	ppb		0.00
47) Acenaphthene-d10	8.491	164	190952	40.00	ppb		0.00
69) Phenanthrene-d10	11.136	188	332682	40.00	ppb		0.00
83) Chrysene-d12	16.323	240	334492	40.00	ppb		0.00
92) Perylene-d12	18.951	264	271039	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	89086	40.00	ppb		0.00
104) Acenaphthene-d10a	8.491	164	190952	40.00	ppb		0.00
107) Chrysene-d12a	16.323	240	334492	40.00	ppb		0.00
110) Phenanthrene-d10a	11.136	188	332682	40.00	ppb		0.00
112) Naphthalene-d8a	6.087	136	321562	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.897	112	32483	10.31	ppb		0.00
Spiked Amount 50.000			Recovery = 20.62%				
8) Phenol-d5	4.608	99	42980	10.57	ppb		0.00
Spiked Amount 50.000			Recovery = 21.14%				
25) Nitrobenzene-d5	5.366	82	34636	10.64	ppb		0.00
Spiked Amount 50.000			Recovery = 21.28%				
51) 2-Fluorobiphenyl	7.455	172	68539	10.65	ppb		0.00
Spiked Amount 50.000			Recovery = 21.30%				
73) 2,4,6-Tribromophenol	9.854	330	7966	10.83	ppb		0.00
Spiked Amount 50.000			Recovery = 21.66%				
86) Terphenyl-d14	14.320	244	76792	10.27	ppb		0.00
Spiked Amount 50.000			Recovery = 20.54%				
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.476	88	15987	9.97	ppb		97
3) Pyridine	2.791	79	39671	10.01	ppb		95
4) N-Nitrosodimethylamine	2.754	42	14394	10.06	ppb		96
6) Indene	5.115	116	60713	10.66	ppb		99
7) Cumene	4.298	105	86689	10.62	ppb		97
9) Phenol	4.613	94	46599	9.90	ppb		85
10) Aniline	4.640	93	56800	10.76	ppb		100
11) bis(2-Chloroethyl)ether	4.688	93	33206	10.54	ppb		98
12) 2-Chlorophenol	4.736	128	36386	10.70	ppb		98
13) Decane	4.773	43	27220	10.89	ppb		99
14) 1,3-Dichlorobenzene	4.859	146	38435	10.93	ppb		97
15) 1,4-Dichlorobenzene	4.917	146	39621	10.73	ppb		100
16) Benzyl alcohol	5.008	108	24862	10.58	ppb		93
17) 1,2-Dichlorobenzene	5.046	146	37756	11.08	ppb		93
18) Acetophenone	5.233	105	52720	11.14	ppb		93
19) 2-Methylphenol	5.099	108	32648	10.58	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.120	121	10509	10.59	ppb	#	84
21) 3&4-Methylphenol	5.222	108	34569	10.71	ppb		90

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.233	70	25473	11.11	ppb	96
23) Hexachloroethane	5.339	201	13575	10.84	ppb	93
26) Nitrobenzene	5.387	77	39852	10.88	ppb	98
27) Quinoline	6.483	129	69363	10.30	ppb	98
28) Isophorone	5.607	82	68227	10.77	ppb	99
29) 2-Nitrophenol	5.687	139	17431	10.21	ppb	94
30) 2,4-Dimethylphenol	5.719	107	34542	10.45	ppb	94
31) Benzoic acid	5.777	105	19348	8.50	ppb	94
32) bis(2-Chloroethoxy)met...	5.815	93	39004	10.77	ppb	98
33) 2,4-Dichlorophenol	5.927	162	25974	10.29	ppb	95
34) 2,6-Dichlorophenol	6.173	162	26455	10.56	ppb	99
35) 1,3,5-Trichlorobenzene	5.703	180	33294	10.91	ppb	99
36) 1,2,4-Trichlorobenzene	6.023	180	31187	10.73	ppb	97
37) 1,2,3-Trichlorobenzene	6.269	180	31197	10.49	ppb	98
38) Naphthalene	6.109	128	102824	10.81	ppb	99
39) 4-Chloroaniline	6.157	127	45240	10.73	ppb	97
40) 2,3-Dichloroaniline	7.321	161	34618	10.76	ppb	94
41) Caprolactam	6.531	55	13187	9.95	ppb	96
42) Hexachlorobutadiene	6.253	225	17228	10.38	ppb	98
43) 4-Chloro-3-methylphenol	6.734	107	30399	10.44	ppb	98
44) 2-Methylnaphthalene	6.942	141	55918	10.52	ppb	99
45) 1-Methylnaphthalene	7.070	142	64269	10.60	ppb	99
46) Dimethylnaphthalene	7.834	156	59532	10.76	ppb	98
48) Hexachlorocyclopentadiene	7.166	237	34368	20.60	ppb	98
49) 2,4,6-Trichlorophenol	7.327	196	19532	10.76	ppb	91
50) 2,4,5-Trichlorophenol	7.375	196	21268	10.78	ppb	98
52) 2-Chloronaphthalene	7.620	162	65978	10.98	ppb	98
53) Biphenyl	7.599	154	81873	10.75	ppb	98
54) 2-Nitroaniline	7.770	65	17942	10.50	ppb	90
55) Dimethylphthalate	8.080	163	66874	10.43	ppb	98
56) Acenaphthylene	8.256	152	100602	10.82	ppb	98
57) 2,6-Dinitrotoluene	8.155	165	15567	10.74	ppb	96
58) 3-Nitroaniline	8.422	138	17700	10.42	ppb	93
59) Acenaphthene	8.545	153	59857	10.44	ppb	93
60) 2,4-Dinitrophenol	8.593	184	11007	14.74	ppb	93
61) 4-Nitrophenol	8.721	109	9416	10.30	ppb	95
62) Dibenzofuran	8.833	168	90851	10.91	ppb	99
63) 2,4-Dinitrotoluene	8.822	165	21673	10.98	ppb	95
64) 2,3,4,6-Tetrachlorophenol	9.052	232	16344	10.58	ppb	99
65) Diethylphthalate	9.293	149	66832	10.61	ppb	99
66) Fluorene	9.426	166	69703	10.62	ppb	98
67) 4-Chlorophenyl-phenyle...	9.458	204	33849	10.68	ppb	97
68) 4-Nitroaniline	9.464	138	18108	10.37	ppb	98
70) 4,6-Dinitro-2-methylph...	9.533	198	8668	8.03	ppb	95
71) n-Nitrosodiphenylamine	9.667	169	47379	10.44	ppb	97
72) 1,2-Diphenylhydrazine	9.736	77	76454	10.61	ppb	97
74) 4-Bromophenyl-phenylether	10.340	248	17350	10.26	ppb	97
75) Hexachlorobenzene	10.430	284	19711	10.83	ppb	99
76) Pentachlorophenol	10.804	266	24280	20.25	ppb	97
77) Phenanthrene	11.178	178	102730	10.33	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.275	178	106503	10.81	ppb	98
79) Carbazole	11.611	167	95906	10.07	ppb	99
80) Di-n-butylphthalate	12.423	149	107351	9.90	ppb	98
81) Fluoranthene	13.481	202	109467	10.21	ppb	96
82) Octadecane	11.125	57	35089	10.56	ppb	98
84) Pyrene	13.908	202	117863	10.32	ppb	100
85) Butyl stearate	15.618	56	23880	9.90	ppb	97
87) Butylbenzylphthalate	15.377	149	46867	9.59	ppb	98
88) Benzo[a]anthracene	16.307	228	105178	10.11	ppb	99
89) 3,3'-Dichlorobenzidine	16.328	252	36312	10.11	ppb	99
90) Chrysene	16.371	228	99978	10.33	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.601	149	63831	9.66	ppb	97
93) Di-n-octylphthalate	17.824	149	98100	8.82	ppb	99
94) Benzo[b]fluoranthene	18.299	252	99913	10.30	ppb	96
95) Benzo[k]fluoranthene	18.348	252	100165	10.74	ppb	96
96) Benzo[a]pyrene	18.844	252	88332	10.45	ppb	98
97) Indeno[1,2,3-cd]pyrene	20.746	276	78530	10.05	ppb	99
98) Dibenz(a,h)acridine	20.356	279	73104	10.56	ppb	98
99) Dibenz[a,h]anthracene	20.800	278	82103	10.18	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.315	256	47122	10.47	ppb	99
101) Benzo[g,h,i]perylene	21.238	276	82196	10.80	ppb	98

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

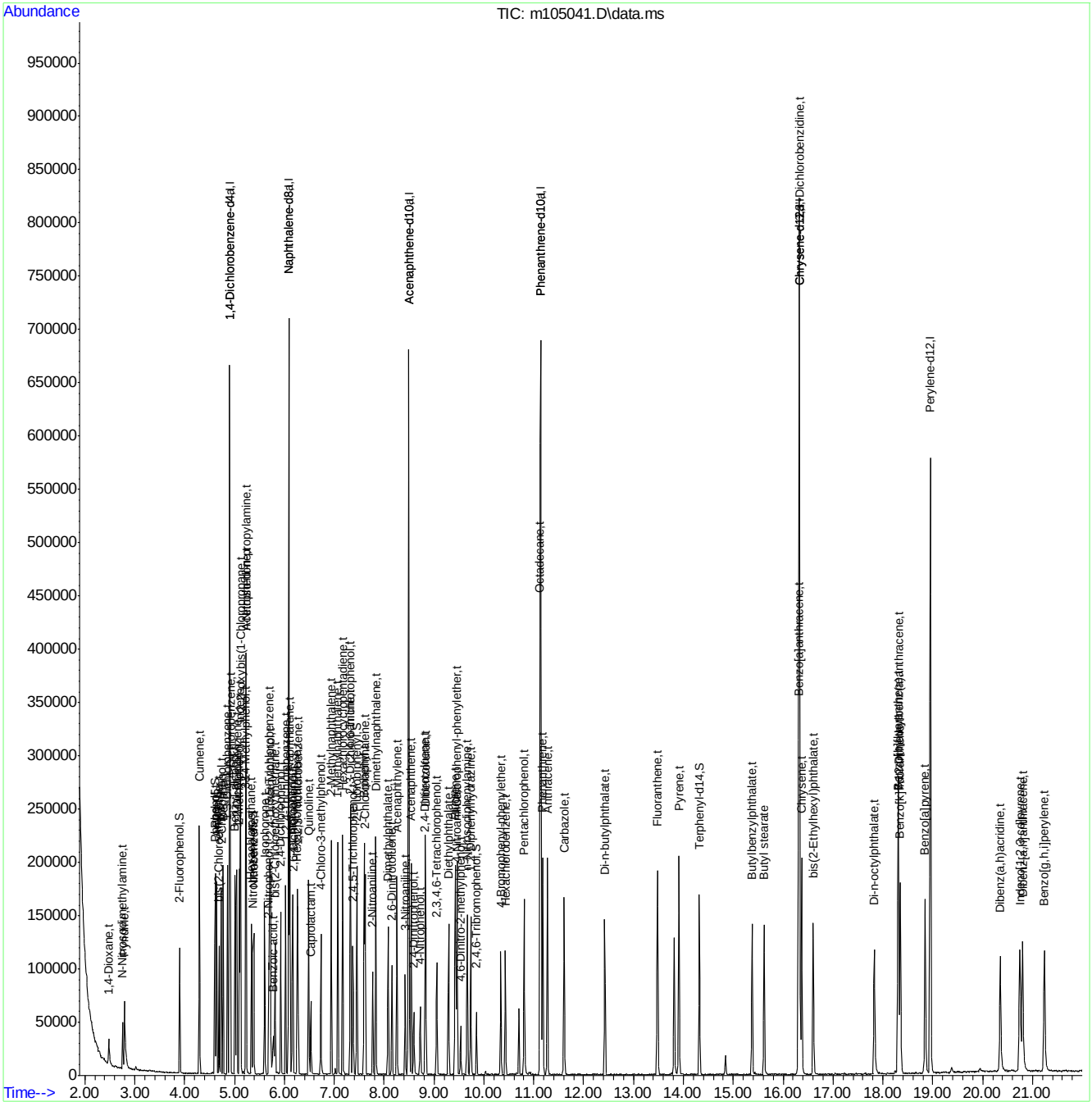
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.906	152	83164	40.00	ppb		0.00
24) Naphthalene-d8	6.086	136	303065	40.00	ppb		0.00
47) Acenaphthene-d10	8.490	164	182696	40.00	ppb		0.00
69) Phenanthrene-d10	11.140	188	321500	40.00	ppb		0.00
83) Chrysene-d12	16.322	240	326948	40.00	ppb		0.00
92) Perylene-d12	18.950	264	269319	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	83164	40.00	ppb		0.00
104) Acenaphthene-d10a	8.490	164	182696	40.00	ppb		0.00
107) Chrysene-d12a	16.322	240	326948	40.00	ppb		0.00
110) Phenanthrene-d10a	11.140	188	321500	40.00	ppb		0.00
112) Naphthalene-d8a	6.086	136	303065	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.896	112	15100	5.10	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.20%		
8) Phenol-d5	4.606	99	20285	5.25	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.50%		
25) Nitrobenzene-d5	5.370	82	17290	5.50	ppb		0.00
Spiked Amount 50.000			Recovery	=	11.00%		
51) 2-Fluorobiphenyl	7.454	172	34413	5.43	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.86%		
73) 2,4,6-Tribromophenol	9.852	330	3654	5.16	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.32%		
86) Terphenyl-d14	14.318	244	37883	5.17	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.34%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	2.475	88	8053	5.37	ppb		94
3) Pyridine	2.795	79	19224	5.17	ppb		94
4) N-Nitrosodimethylamine	2.753	42	6940	5.16	ppb		96
6) Indene	5.119	116	30484	5.56	ppb		97
7) Cumene	4.297	105	42004	5.35	ppb		98
9) Phenol	4.617	94	22348	5.12	ppb		84
10) Aniline	4.638	93	27394	5.40	ppb		94
11) bis(2-Chloroethyl)ether	4.686	93	16313	5.40	ppb		99
12) 2-Chlorophenol	4.735	128	17460	5.35	ppb		96
13) Decane	4.772	43	13181	5.42	ppb		96
14) 1,3-Dichlorobenzene	4.857	146	18568	5.46	ppb		96
15) 1,4-Dichlorobenzene	4.916	146	19323	5.46	ppb		96
16) Benzyl alcohol	5.007	108	11822	5.33	ppb		97
17) 1,2-Dichlorobenzene	5.044	146	17561	5.36	ppb		98
18) Acetophenone	5.231	105	25410	5.52	ppb		90
19) 2-Methylphenol	5.098	108	15481	5.31	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.119	121	5432	5.66	ppb		86
21) 3&4-Methylphenol	5.226	108	17215	5.55	ppb	#	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.231	70	12508	5.59	ppb	93
23) Hexachloroethane	5.338	201	6273	5.21	ppb	98
26) Nitrobenzene	5.386	77	18917	5.34	ppb	92
27) Quinoline	6.481	129	33876	5.29	ppb	99
28) Isophorone	5.605	82	32944	5.39	ppb	96
29) 2-Nitrophenol	5.685	139	7946	4.97	ppb	94
30) 2,4-Dimethylphenol	5.718	107	16432	5.18	ppb	95
31) Benzoic acid	5.766	105	7649	3.65	ppb	71
32) bis(2-Chloroethoxy)met...	5.814	93	18410	5.29	ppb	97
33) 2,4-Dichlorophenol	5.926	162	12589	5.27	ppb	91
34) 2,6-Dichlorophenol	6.172	162	13008	5.39	ppb	95
35) 1,3,5-Trichlorobenzene	5.702	180	16454	5.49	ppb	98
36) 1,2,4-Trichlorobenzene	6.022	180	15321	5.43	ppb	98
37) 1,2,3-Trichlorobenzene	6.273	180	15075	5.27	ppb	95
38) Naphthalene	6.108	128	50422	5.41	ppb	98
39) 4-Chloroaniline	6.161	127	22818	5.60	ppb	99
40) 2,3-Dichloroaniline	7.326	161	16696	5.39	ppb	96
41) Caprolactam	6.524	55	6330	5.09	ppb	92
42) Hexachlorobutadiene	6.252	225	9146	5.64	ppb	91
43) 4-Chloro-3-methylphenol	6.733	107	14969	5.41	ppb	99
44) 2-Methylnaphthalene	6.941	141	27250	5.30	ppb	96
45) 1-Methylnaphthalene	7.069	142	32600	5.52	ppb	98
46) Dimethylnaphthalene	7.833	156	28433	5.34	ppb	98
48) Hexachlorocyclopentadiene	7.165	237	15004	9.65	ppb	92
49) 2,4,6-Trichlorophenol	7.326	196	9469	5.35	ppb	96
50) 2,4,5-Trichlorophenol	7.374	196	10280	5.35	ppb	94
52) 2-Chloronaphthalene	7.619	162	32090	5.40	ppb	93
53) Biphenyl	7.598	154	40022	5.35	ppb	99
54) 2-Nitroaniline	7.769	65	8503	5.23	ppb	85
55) Dimethylphthalate	8.079	163	33870	5.38	ppb	97
56) Acenaphthylene	8.255	152	48096	5.29	ppb	99
57) 2,6-Dinitrotoluene	8.159	165	6583	4.84	ppb	95
58) 3-Nitroaniline	8.421	138	7953	4.98	ppb	97
59) Acenaphthene	8.544	153	31280	5.55	ppb	95
60) 2,4-Dinitrophenol	8.597	184	3736	11.70	ppb	83
61) 4-Nitrophenol	8.725	109	4016	4.70	ppb	96
62) Dibenzofuran	8.832	168	45480	5.49	ppb	98
63) 2,4-Dinitrotoluene	8.821	165	9664	5.20	ppb	97
64) 2,3,4,6-Tetrachlorophenol	9.051	232	7461	5.08	ppb	94
65) Diethylphthalate	9.286	149	32991	5.38	ppb	100
66) Fluorene	9.425	166	34870	5.42	ppb	96
67) 4-Chlorophenyl-phenyle...	9.457	204	17297	5.54	ppb	99
68) 4-Nitroaniline	9.462	138	8416	5.09	ppb	96
70) 4,6-Dinitro-2-methylph...	9.532	198	3281	2.83	ppb	98
71) n-Nitrosodiphenylamine	9.665	169	23306	5.28	ppb	99
72) 1,2-Diphenylhydrazine	9.735	77	38706	5.42	ppb	98
74) 4-Bromophenyl-phenylether	10.338	248	8947	5.36	ppb	96
75) Hexachlorobenzene	10.429	284	10284	5.64	ppb	96
76) Pentachlorophenol	10.803	266	10512	9.48	ppb	88
77) Phenanthrene	11.177	178	51287	5.25	ppb	99

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.273	178	51995	5.35	ppb	99
79) Carbazole	11.610	167	48340	5.24	ppb	98
80) Di-n-butylphthalate	12.427	149	50848	4.99	ppb	98
81) Fluoranthene	13.480	202	52432	5.08	ppb	99
82) Octadecane	11.124	57	17737	5.47	ppb	98
84) Pyrene	13.907	202	59602	5.28	ppb	98
85) Butyl stearate	15.617	56	10752	4.84	ppb	96
87) Butylbenzylphthalate	15.376	149	21081	4.63	ppb	89
88) Benzo[a]anthracene	16.306	228	51932	5.12	ppb	99
89) 3,3'-Dichlorobenzidine	16.327	252	16479	4.88	ppb	94
90) Chrysene	16.370	228	51487	5.34	ppb	96
91) bis(2-Ethylhexyl)phtha...	16.599	149	28875	4.74	ppb	98
93) Di-n-octylphthalate	17.828	149	43841	4.12	ppb	99
94) Benzo[b]fluoranthene	18.298	252	49225	5.15	ppb	99
95) Benzo[k]fluoranthene	18.346	252	50544	5.36	ppb	96
96) Benzo[a]pyrene	18.849	252	43100	5.15	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.740	276	35108	4.69	ppb	93
98) Dibenz(a,h)acridine	20.355	279	34693	5.12	ppb	80
99) Dibenz[a,h]anthracene	20.798	278	38058	4.86	ppb	96
100) 7,12-Dimethylbenz(a)an...	18.309	256	21715	5.00	ppb	98
101) Benzo[g,h,i]perylene	21.236	276	38533	5.10	ppb	96

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

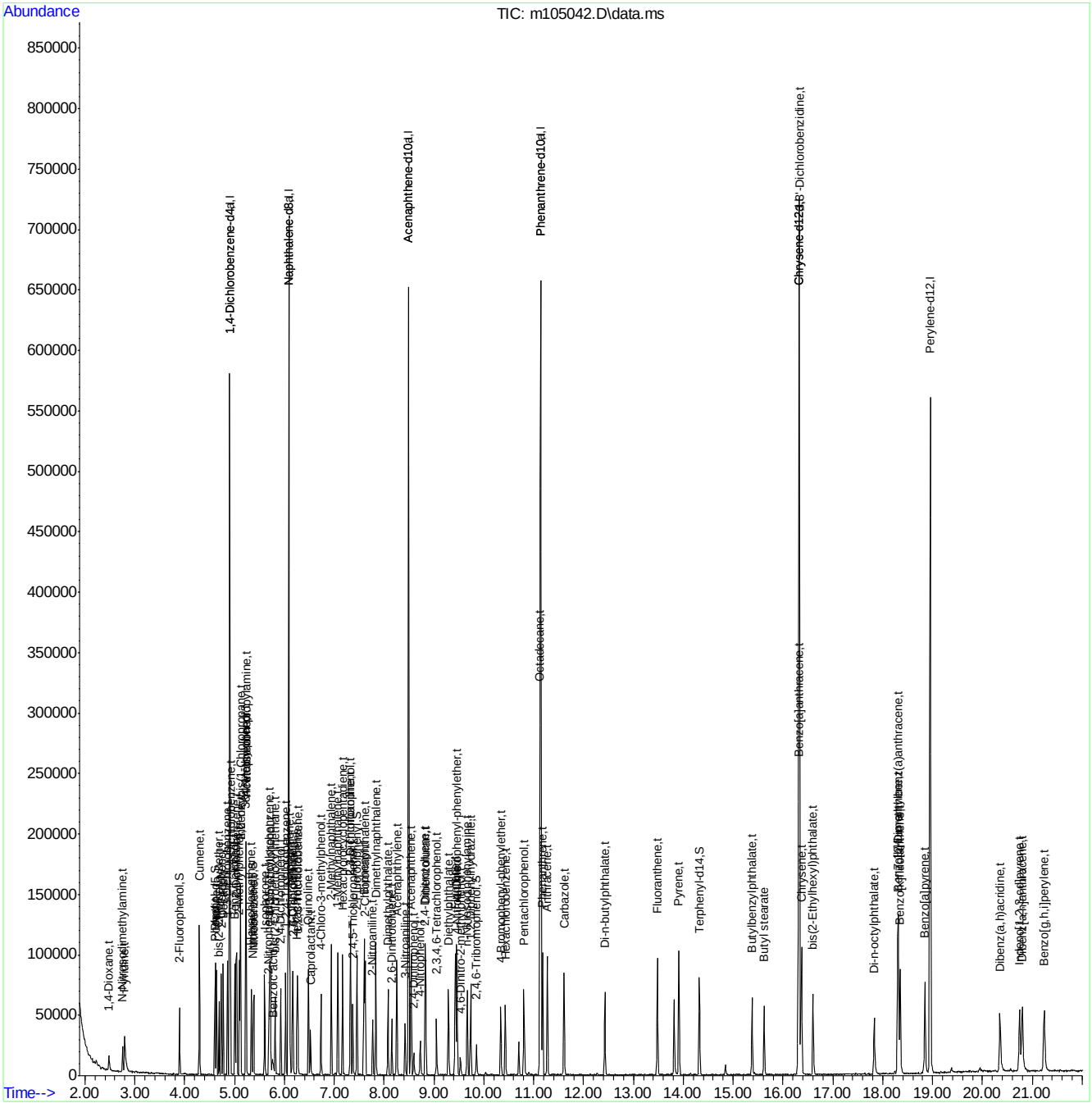
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.904	152	90995	40.00	ppb	0.00
24) Naphthalene-d8	6.085	136	325763	40.00	ppb	0.00
47) Acenaphthene-d10	8.489	164	192900	40.00	ppb	0.00
69) Phenanthrene-d10	11.138	188	337459	40.00	ppb	-0.01
83) Chrysene-d12	16.325	240	340864	40.00	ppb	-0.03
92) Perylene-d12	18.954	264	282658	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	4.904	152	90995	40.00	ppb	0.00
104) Acenaphthene-d10a	8.489	164	192900	40.00	ppb	0.00
107) Chrysene-d12a	16.325	240	340864	40.00	ppb	-0.03
110) Phenanthrene-d10a	11.138	188	337459	40.00	ppb	-0.01
112) Naphthalene-d8a	6.085	136	325763	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.900	112	6455	1.99	ppb	0.00
Spiked Amount 50.000			Recovery =	3.98%		
8) Phenol-d5	4.605	99	8382	1.98	ppb	0.00
Spiked Amount 50.000			Recovery =	3.96%		
25) Nitrobenzene-d5	5.369	82	6591	1.95	ppb	0.00
Spiked Amount 50.000			Recovery =	3.90%		
51) 2-Fluorobiphenyl	7.452	172	13591	2.03	ppb	0.00
Spiked Amount 50.000			Recovery =	4.06%		
73) 2,4,6-Tribromophenol	9.851	330	1270	1.71	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.42%		
86) Terphenyl-d14	14.322	244	14552	1.90	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.80%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.479	88	3072	1.87	ppb	86
3) Pyridine	2.805	79	8098	1.99	ppb	95
4) N-Nitrosodimethylamine	2.756	42	2940	2.00	ppb	88
6) Indene	5.118	116	12108	2.02	ppb	94
7) Cumene	4.295	105	17995	2.09	ppb	96
9) Phenol	4.615	94	9059	1.90	ppb	99
10) Aniline	4.642	93	11317	2.04	ppb	91
11) bis(2-Chloroethyl)ether	4.685	93	6770	2.05	ppb	98
12) 2-Chlorophenol	4.738	128	7312	2.05	ppb	95
13) Decane	4.776	43	5725	2.15	ppb	96
14) 1,3-Dichlorobenzene	4.861	146	7691	2.07	ppb	98
15) 1,4-Dichlorobenzene	4.915	146	7667	1.98	ppb	89
16) Benzyl alcohol	5.005	108	4568	1.88	ppb	92
17) 1,2-Dichlorobenzene	5.043	146	7211	2.01	ppb	91
18) Acetophenone	5.230	105	10368	2.06	ppb	84
19) 2-Methylphenol	5.096	108	6104	1.91	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.123	121	2139	2.04	ppb	89
21) 3&4-Methylphenol	5.224	108	6750	1.99	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.230	70	5063	2.07	ppb		97
23) Hexachloroethane	5.342	201	2791	2.12	ppb		88
26) Nitrobenzene	5.385	77	7580	1.99	ppb		97
27) Quinoline	6.485	129	13334	1.94	ppb		96
28) Isophorone	5.604	82	13004	1.98	ppb		97
29) 2-Nitrophenol	5.689	139	3262	1.90	ppb		80
30) 2,4-Dimethylphenol	5.721	107	7047	2.06	ppb		86
31) Benzoic acid	5.753	105	2382	1.06	ppb	#	71
32) bis(2-Chloroethoxy)met...	5.812	93	7344	1.96	ppb		98
33) 2,4-Dichlorophenol	5.930	162	4816	1.88	ppb		93
34) 2,6-Dichlorophenol	6.170	162	5177	2.00	ppb		89
35) 1,3,5-Trichlorobenzene	5.705	180	6866	2.13	ppb		87
36) 1,2,4-Trichlorobenzene	6.026	180	6185	2.04	ppb		83
37) 1,2,3-Trichlorobenzene	6.272	180	6303	2.05	ppb		89
38) Naphthalene	6.106	128	21342	2.13	ppb		98
39) 4-Chloroaniline	6.159	127	8432	1.92	ppb		95
40) 2,3-Dichloroaniline	7.324	161	6506	1.95	ppb		90
41) Caprolactam	6.517	55	2558	1.91	ppb		79
42) Hexachlorobutadiene	6.256	225	3626	2.08	ppb		93
43) 4-Chloro-3-methylphenol	6.731	107	5535	1.86	ppb		94
44) 2-Methylnaphthalene	6.939	141	11493	2.08	ppb		97
45) 1-Methylnaphthalene	7.073	142	13098	2.06	ppb		99
46) Dimethylnaphthalene	7.831	156	11281	1.97	ppb		98
48) Hexachlorocyclopentadiene	7.169	237	5521	3.36	ppb		96
49) 2,4,6-Trichlorophenol	7.329	196	3652	1.95	ppb		98
50) 2,4,5-Trichlorophenol	7.372	196	3856	1.90	ppb		93
52) 2-Chloronaphthalene	7.618	162	12873	2.05	ppb		94
53) Biphenyl	7.596	154	15950	2.02	ppb		100
54) 2-Nitroaniline	7.767	65	2984	1.74	ppb	#	78
55) Dimethylphthalate	8.077	163	13756	2.07	ppb		96
56) Acenaphthylene	8.253	152	18990	1.98	ppb		98
57) 2,6-Dinitrotoluene	8.157	165	2388	1.66	ppb		92
58) 3-Nitroaniline	8.419	138	2892	1.71	ppb		93
59) Acenaphthene	8.542	153	12035	2.02	ppb		89
61) 4-Nitrophenol	8.724	109	1583	1.76	ppb	#	79
62) Dibenzofuran	8.830	168	18219	2.08	ppb		96
63) 2,4-Dinitrotoluene	8.825	165	3003	1.53	ppb		89
64) 2,3,4,6-Tetrachlorophenol	9.055	232	2744	1.77	ppb		89
65) Diethylphthalate	9.290	149	12470	1.93	ppb		97
66) Fluorene	9.423	166	13620	2.00	ppb		98
67) 4-Chlorophenyl-phenyle...	9.455	204	6581	2.00	ppb		95
68) 4-Nitroaniline	9.461	138	3053	1.75	ppb		96
71) n-Nitrosodiphenylamine	9.664	169	8663	1.87	ppb		98
72) 1,2-Diphenylhydrazine	9.733	77	14965	2.00	ppb		98
74) 4-Bromophenyl-phenylether	10.337	248	3589	2.05	ppb		85
75) Hexachlorobenzene	10.428	284	3846	2.01	ppb		99
76) Pentachlorophenol	10.807	266	3585	3.08	ppb		97
77) Phenanthrene	11.181	178	20732	2.02	ppb		99
78) Anthracene	11.272	178	19727	1.94	ppb		95
79) Carbazole	11.608	167	18492	1.91	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	12.426	149	17981	1.68	ppb	99
81) Fluoranthene	13.478	202	20245	1.87	ppb	98
82) Octadecane	11.122	57	6209	1.82	ppb	94
84) Pyrene	13.905	202	22943	1.95	ppb	95
85) Butyl stearate	15.620	56	3114	1.35	ppb	91
87) Butylbenzylphthalate	15.380	149	7801	1.64	ppb	91
88) Benzo[a]anthracene	16.309	228	20246	1.91	ppb	97
89) 3,3'-Dichlorobenzidine	16.331	252	5508	1.56	ppb	94
90) Chrysene	16.368	228	20272	2.02	ppb	97
91) bis(2-Ethylhexyl)phtha...	16.598	149	9137	1.44	ppb	100
93) Di-n-octylphthalate	17.827	149	12086	1.91	ppb	83
94) Benzo[b]fluoranthene	18.302	252	17758	1.77	ppb	93
95) Benzo[k]fluoranthene	18.345	252	18982	1.92	ppb	97
96) Benzo[a]pyrene	18.847	252	15807	1.80	ppb	91
97) Indeno[1,2,3-cd]pyrene	20.743	276	12957	1.65	ppb	94
98) Dibenz(a,h)acridine	20.353	279	11812	1.66	ppb	92
99) Dibenz[a,h]anthracene	20.802	278	14401	1.75	ppb	94
100) 7,12-Dimethylbenz(a)an...	18.313	256	7041	1.55	ppb	95
101) Benzo[g,h,i]perylene	21.240	276	14268	1.80	ppb	97

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

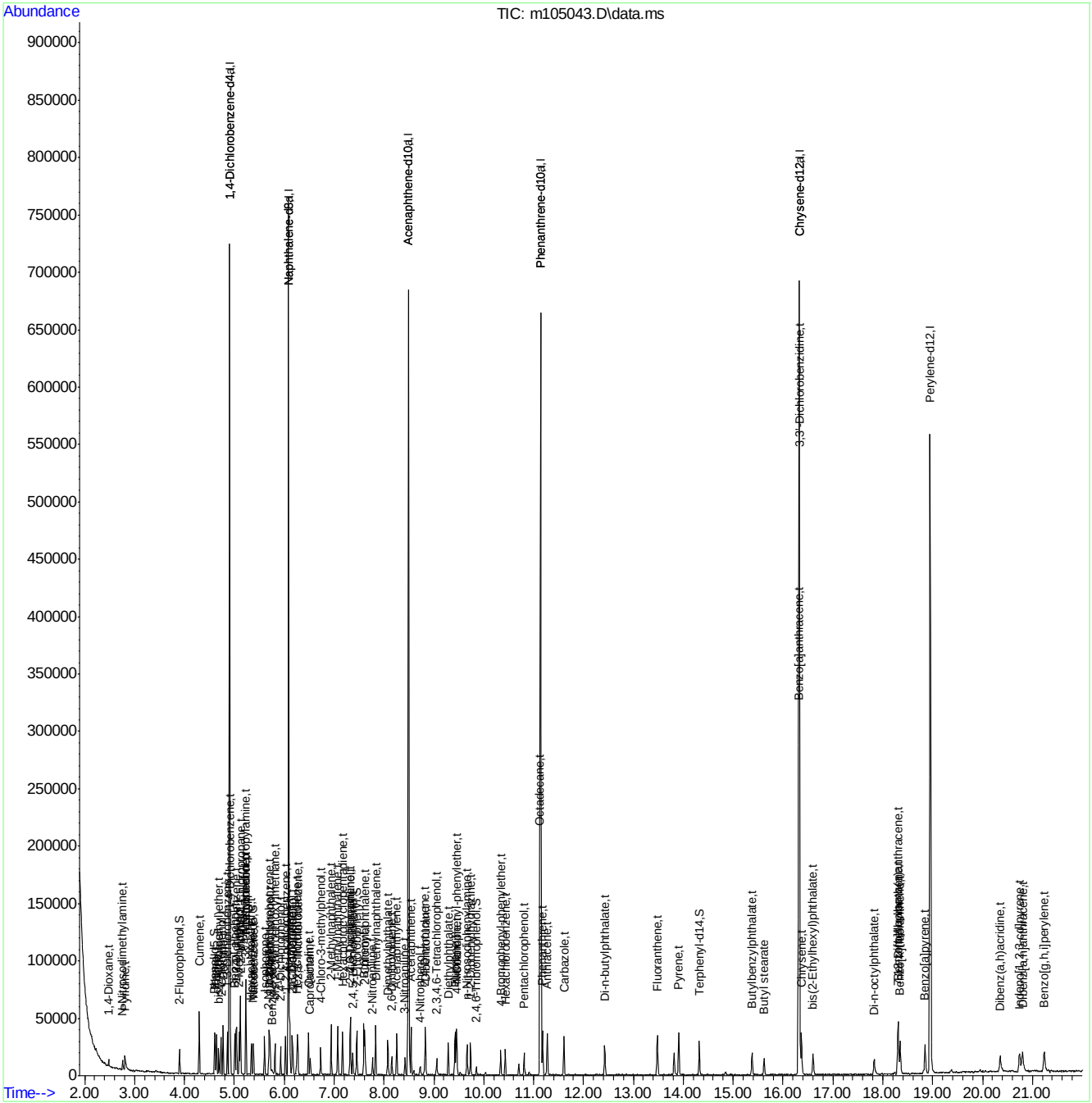
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105046.D
Acq On : 12 Jun 2014 2:49 pm
Operator : saumilp
Sample : IC4301-100
Misc : op73826,em4301
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:30:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

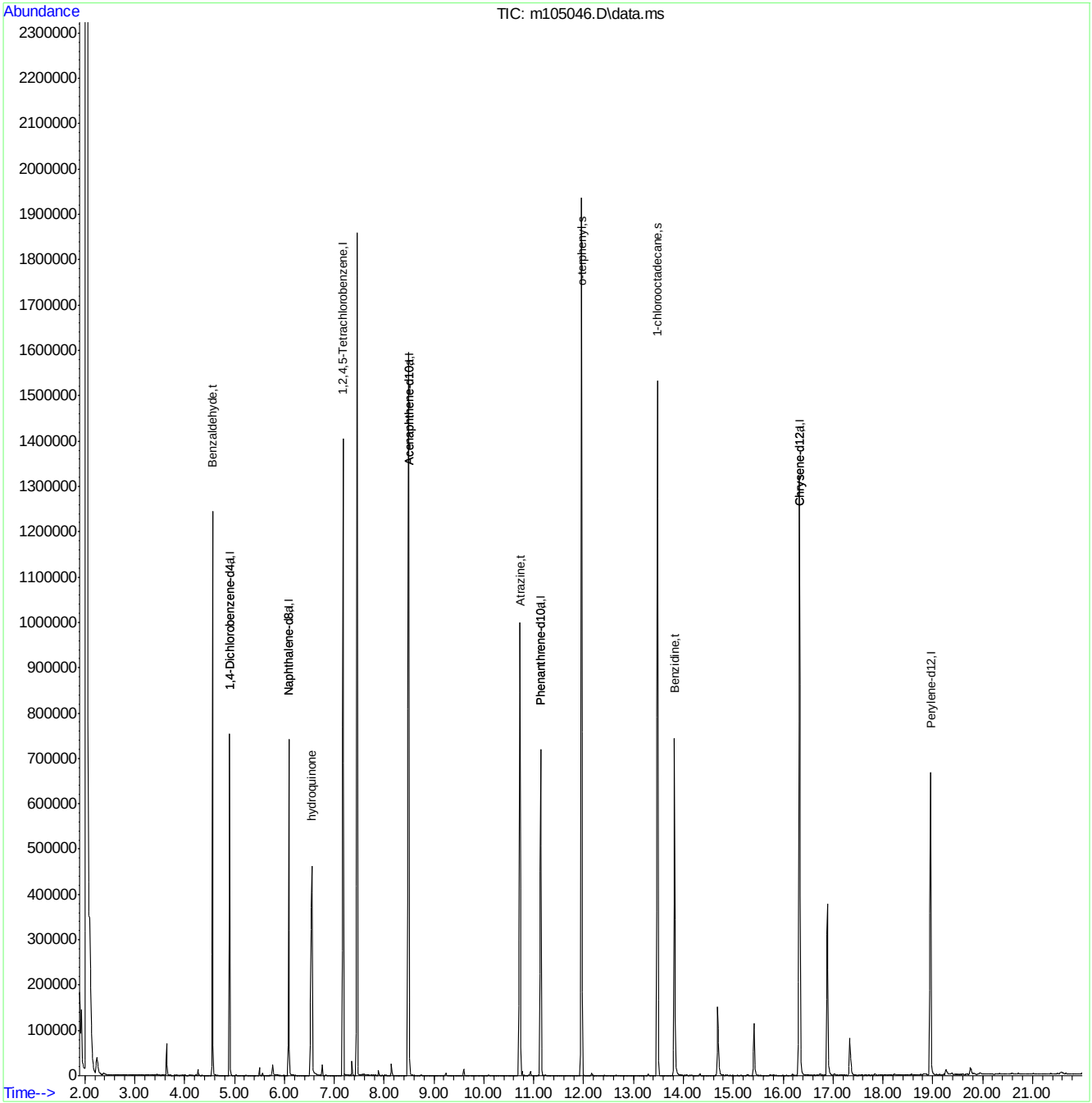
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	94936	40.00	ppb	0.00
24) Naphthalene-d8	6.088	136	344763	40.00	ppb	0.00
47) Acenaphthene-d10	8.497	164	205794	40.00	ppb	0.00
69) Phenanthrene-d10	11.142	188	363706	40.00	ppb	0.00
83) Chrysene-d12	16.324	240	369531	40.00	ppb	0.00
92) Perylene-d12	18.957	264	337286	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	94936	40.00	ppb	0.00
104) Acenaphthene-d10a	8.497	164	205794	40.00	ppb	0.00
107) Chrysene-d12a	16.324	240	369531	40.00	ppb	0.00
110) Phenanthrene-d10a	11.142	188	363706	40.00	ppb	0.00
112) Naphthalene-d8a	6.088	136	344763	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.482	57	242886	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
111) o-terphenyl	11.959	230	539995	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.560	105	211927	100.00	ppb	100
105) 1,2,4,5-Tetrachloroben...	7.178	216	294513	100.00	ppb	100
106) Atrazine	10.730	215	109412	100.00	ppb	100
108) Benzidine	13.824	184	418245	100.00	ppb	100
113) hydroquinone	6.553	110	393738	100.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105046.D
Acq On : 12 Jun 2014 2:49 pm
Operator : saumilp
Sample : IC4301-100
Misc : op73826,em4301
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:30:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



MM4300.M Fri Jun 13 08:30:24 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105047.D
Acq On : 12 Jun 2014 3:19 pm
Operator : saumilp
Sample : IC4301-80
Misc : op73826,em4301
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 15:42:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration

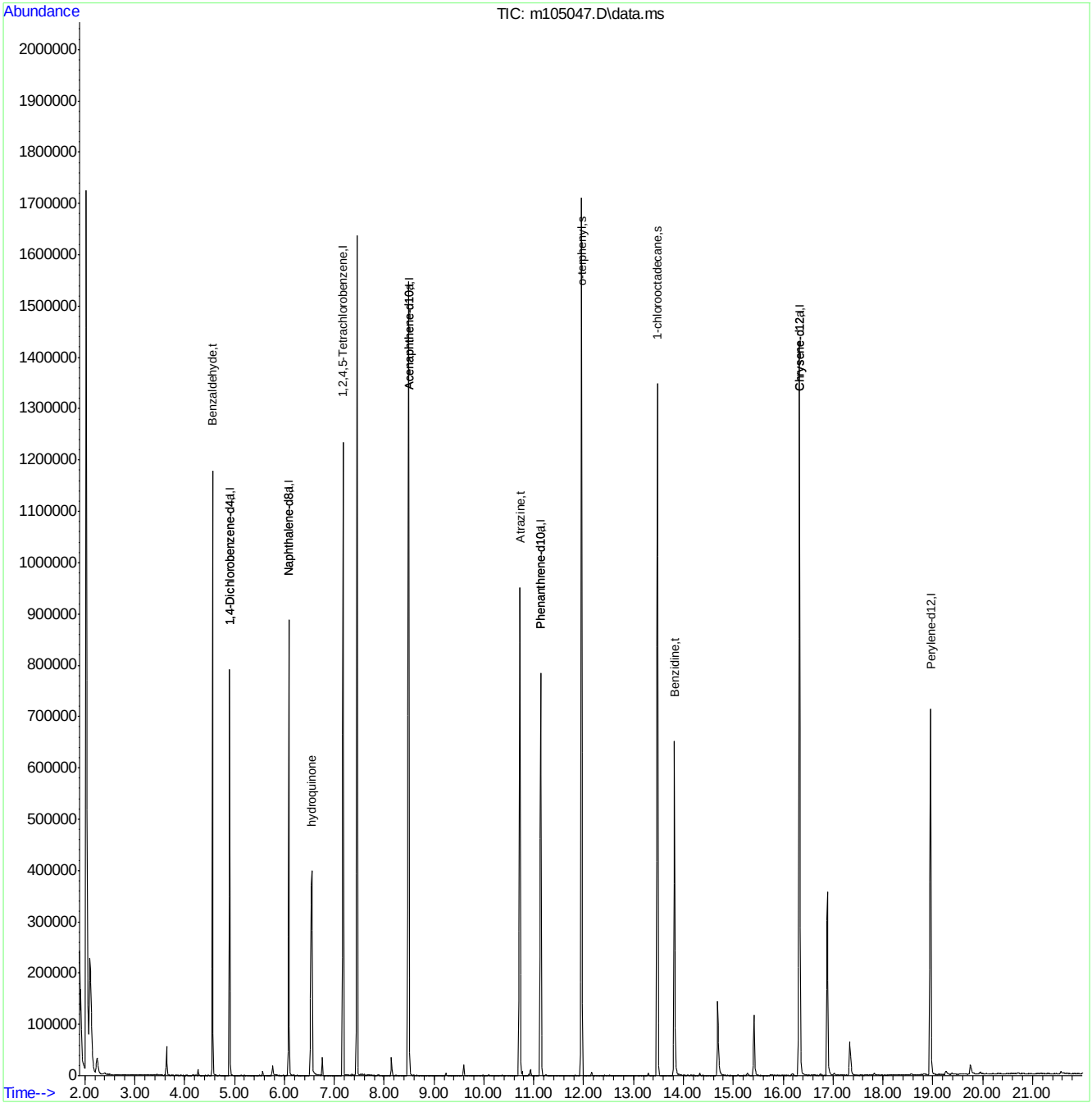
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	102234	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	376690	40.00	ppb	0.00
47) Acenaphthene-d10	8.496	164	226235	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	394458	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	406683	40.00	ppb	0.00
92) Perylene-d12	18.956	264	365617	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	102234	40.00	ppb	0.00
104) Acenaphthene-d10a	8.496	164	226235	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	406683	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	394458	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	376690	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.481	57	219704	82.19	ppb	0.00
Spiked Amount 50.000			Recovery =	164.38%		
111) o-terphenyl	11.958	230	483300	82.52	ppb	0.00
Spiked Amount 50.000			Recovery =	165.04%		
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	195806	85.80	ppb	99
105) 1,2,4,5-Tetrachloroben...	7.177	216	261207	80.68	ppb	99
106) Atrazine	10.724	215	97013	80.66	ppb	91
108) Benzidine	13.823	184	364470	79.18	ppb	99
113) hydroquinone	6.552	110	347236	80.71	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105047.D
Acq On : 12 Jun 2014 3:19 pm
Operator : saumilp
Sample : IC4301-80
Misc : op73826,em4301
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 15:42:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105048.D
Acq On : 12 Jun 2014 3:49 pm
Operator : saumilp
Sample : ICC4301-50
Misc : op73826,em4301
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 16:11:53 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration

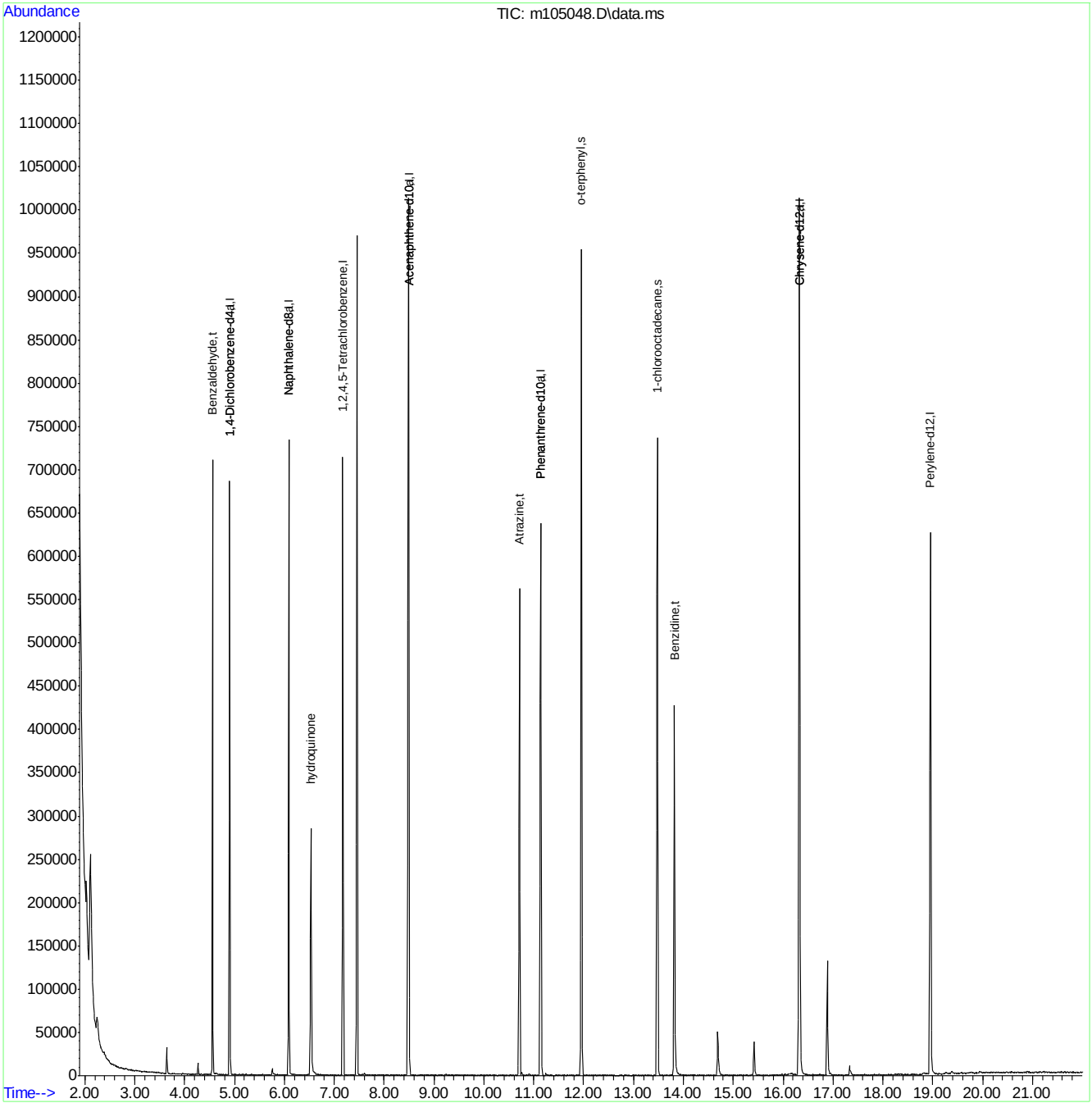
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	90258	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	326701	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	189607	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	329184	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	336974	40.00	ppb	0.00
92) Perylene-d12	18.951	264	301583	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	90258	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	189607	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	336974	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	329184	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	326701	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.475	57	112864	50.96	ppb	0.00
Spiked Amount 50.000			Recovery =	101.92%		
111) o-terphenyl	11.953	230	255701	52.32	ppb	0.00
Spiked Amount 50.000			Recovery =	104.64%		
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	122512	60.80	ppb	98
105) 1,2,4,5-Tetrachloroben...	7.172	216	141281	52.07	ppb	99
106) Atrazine	10.713	215	49687	49.29	ppb	91
108) Benzidine	13.817	184	236384	61.98	ppb	99
113) hydroquinone	6.531	110	177373	47.54	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105048.D
Acq On : 12 Jun 2014 3:49 pm
Operator : saumilp
Sample : ICC4301-50
Misc : op73826,em4301
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 16:11:53 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105049.D
Acq On : 12 Jun 2014 4:18 pm
Operator : saumilp
Sample : IC4301-25
Misc : op73826,em4301
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 16:46:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

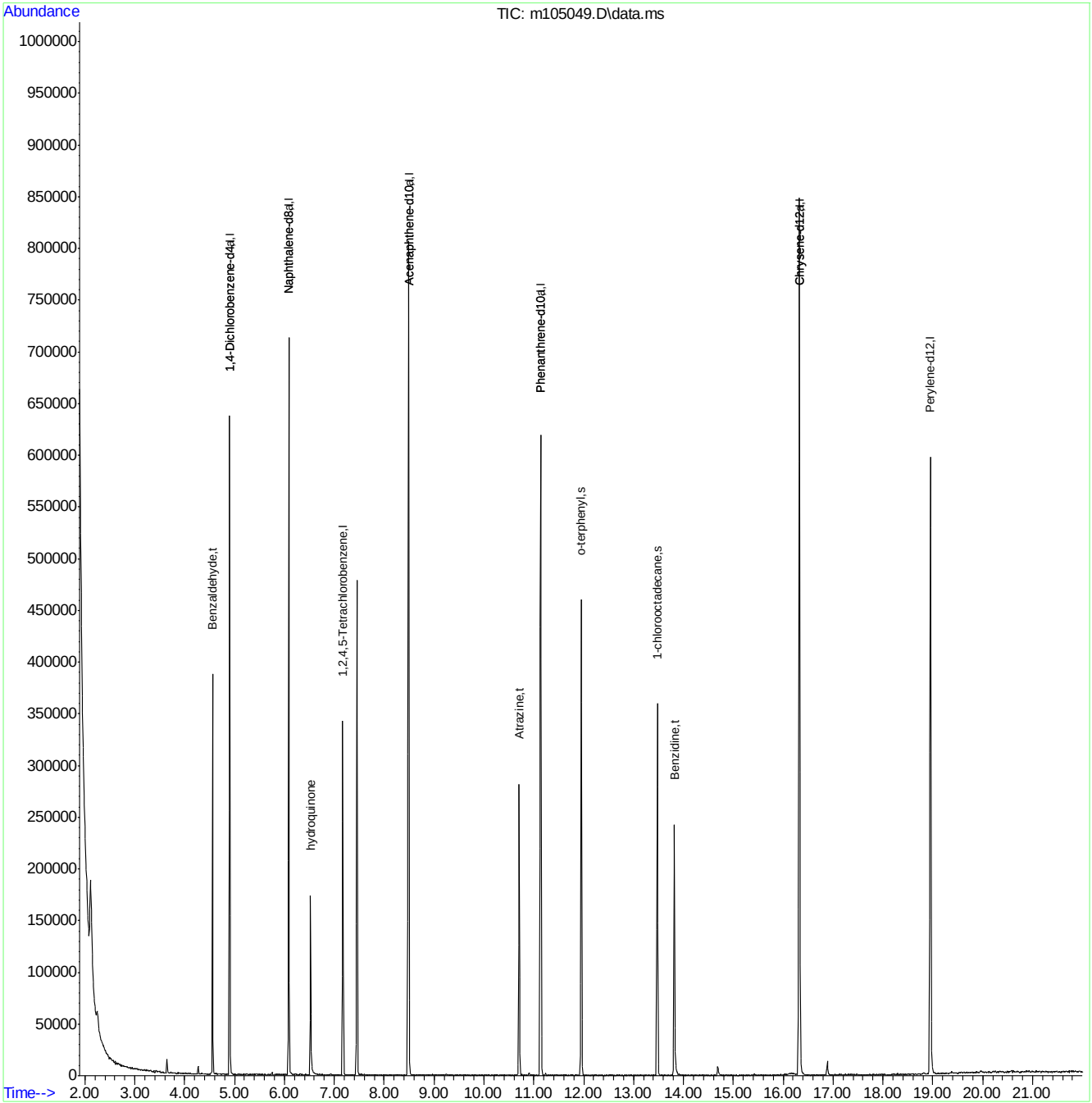
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	84342	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	303814	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	184779	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	317687	40.00	ppb	0.00
83) Chrysene-d12	16.322	240	317071	40.00	ppb	0.00
92) Perylene-d12	18.951	264	285045	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	84342	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	184779	40.00	ppb	0.00
107) Chrysene-d12a	16.322	240	317071	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	317687	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	303814	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	13.475	57	52929	25.40	ppb	0.00
Spiked Amount 50.000			Recovery = 50.80%			
111) o-terphenyl	11.952	230	122384	25.95	ppb	0.00
Spiked Amount 50.000			Recovery = 51.90%			
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	62392	33.14	ppb	98
105) 1,2,4,5-Tetrachloroben...	7.171	216	68257	25.81	ppb	99
106) Atrazine	10.708	215	23480	23.90	ppb	94
108) Benzidine	13.817	184	130823	36.45	ppb	98
113) hydroquinone	6.525	110	79458	22.90	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105049.D
Acq On : 12 Jun 2014 4:18 pm
Operator : saumilp
Sample : IC4301-25
Misc : op73826,em4301
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 16:46:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105050.D
Acq On : 12 Jun 2014 4:48 pm
Operator : saumilp
Sample : IC4301-10
Misc : op73826,em4301
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 08:27:14 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

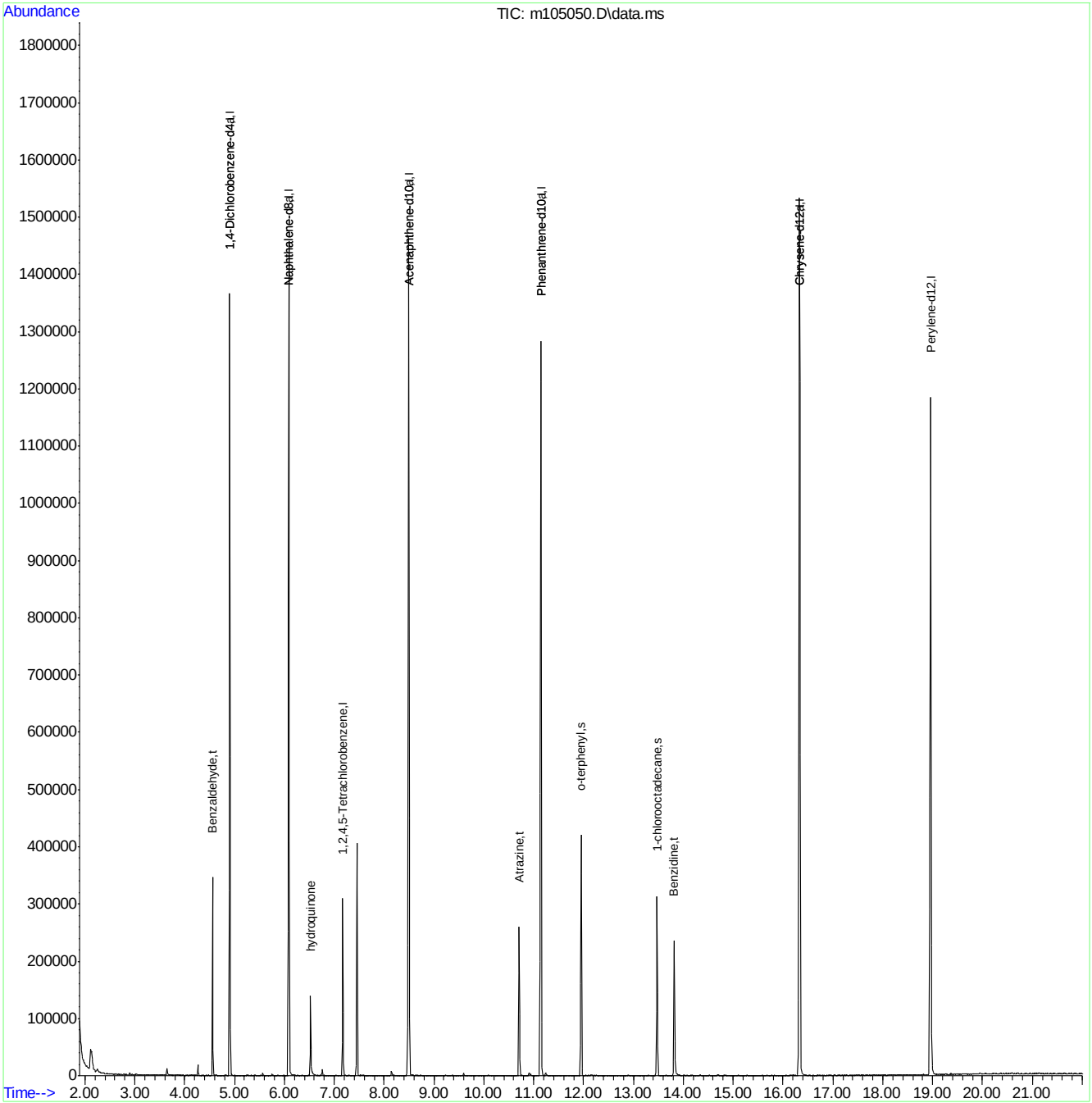
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.906	152	179769	40.00	ppb	0.00
24) Naphthalene-d8	6.086	136	655548	40.00	ppb	0.00
47) Acenaphthene-d10	8.496	164	387034	40.00	ppb	0.00
69) Phenanthrene-d10	11.145	188	678745	40.00	ppb	0.00
83) Chrysene-d12	16.332	240	704247	40.00	ppb	0.00
92) Perylene-d12	18.961	264	634508	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	179769	40.00	ppb	0.00
104) Acenaphthene-d10a	8.496	164	387034	40.00	ppb	0.00
107) Chrysene-d12a	16.332	240	704247	40.00	ppb	0.00
110) Phenanthrene-d10a	11.145	188	678745	40.00	ppb	0.00
112) Naphthalene-d8a	6.086	136	655548	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	13.474	57	47122	10.18	ppb	0.00
Spiked Amount 50.000			Recovery = 20.36%			
111) o-terphenyl	11.952	230	109413	10.86	ppb	0.00
Spiked Amount 50.000			Recovery = 21.72%			
Target Compounds						Qvalue
103) Benzaldehyde	4.558	105	54879	13.68	ppb	98
105) 1,2,4,5-Tetrachloroben...	7.171	216	60020	10.84	ppb	97
106) Atrazine	10.707	215	20513	9.97	ppb	86
108) Benzidine	13.816	184	131123	16.45	ppb	98
113) hydroquinone	6.524	110	62121	8.30	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105050.D
Acq On : 12 Jun 2014 4:48 pm
Operator : saumilp
Sample : IC4301-10
Misc : op73826,em4301
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 08:27:14 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105051.D
Acq On : 12 Jun 2014 5:17 pm
Operator : saumilp
Sample : IC4301-5
Misc : op73826,em4301
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 08:27:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

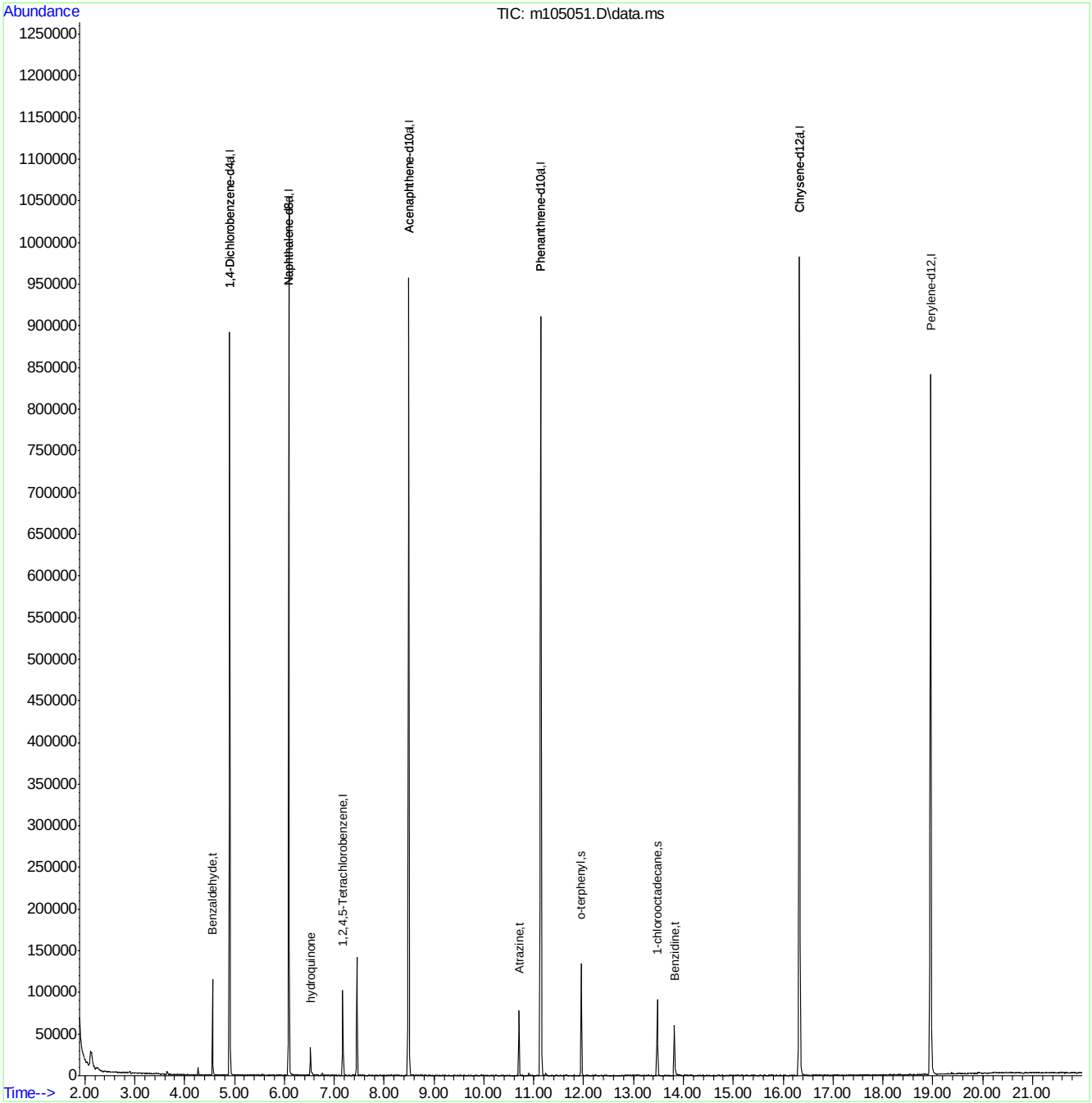
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	120942	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	440866	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	263292	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	456172	40.00	ppb	0.00
83) Chrysene-d12	16.328	240	467475	40.00	ppb	0.00
92) Perylene-d12	18.956	264	412929	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	120942	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	263292	40.00	ppb	0.00
107) Chrysene-d12a	16.328	240	467475	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	456172	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	440866	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.475	57	13881	4.52	ppb	0.00
Spiked Amount 50.000			Recovery =	9.04%		
111) o-terphenyl	11.953	230	35998	5.32	ppb	0.00
Spiked Amount 50.000			Recovery =	10.64%		
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	18172	6.73	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.172	216	20720	5.50	ppb	98
106) Atrazine	10.708	215	6448	4.61	ppb	97
108) Benzidine	13.817	184	35464	6.70	ppb	96
113) hydroquinone	6.520	110	15876	3.15	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105051.D
Acq On : 12 Jun 2014 5:17 pm
Operator : saumilp
Sample : IC4301-5
Misc : op73826,em4301
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 08:27:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105052.D
Acq On : 12 Jun 2014 5:47 pm
Operator : saumilp
Sample : IC4301-2
Misc : op73826,em4301
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 08:28:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

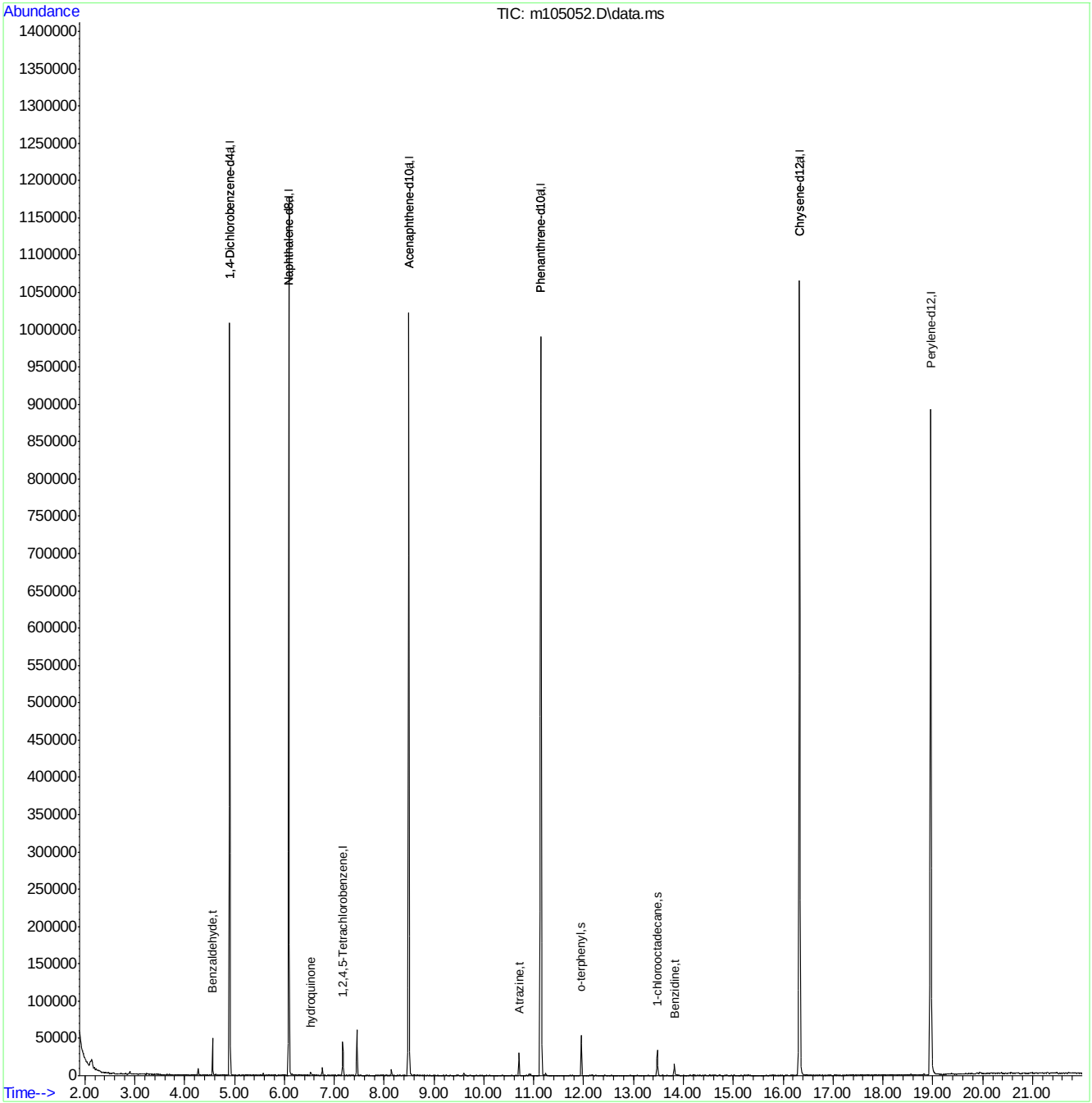
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	140009	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	501807	40.00	ppb	0.00
47) Acenaphthene-d10	8.497	164	302655	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	520761	40.00	ppb	0.00
83) Chrysene-d12	16.328	240	539767	40.00	ppb	0.00
92) Perylene-d12	18.962	264	477290	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	140009	40.00	ppb	0.00
104) Acenaphthene-d10a	8.497	164	302655	40.00	ppb	0.00
107) Chrysene-d12a	16.328	240	539767	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	520761	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	501807	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.476	57	5067	1.43	ppb	0.00
Spiked Amount 50.000			Recovery =	2.86%		
111) o-terphenyl	11.953	230	15003	1.94	ppb	0.00
Spiked Amount 50.000			Recovery =	3.88%		
Target Compounds						Qvalue
103) Benzaldehyde	4.560	105	7936	2.54	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.172	216	9682	2.24	ppb	95
106) Atrazine	10.708	215	2224	1.38	ppb	96
108) Benzidine	13.817	184	12093	1.98	ppb	97
113) hydroquinone	6.525	110	3369	0.59	ppb	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105052.D
Acq On : 12 Jun 2014 5:47 pm
Operator : saumilp
Sample : IC4301-2
Misc : op73826,em4301
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 08:28:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



MM4300.M Fri Jun 13 08:28:46 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105053.D
Acq On : 12 Jun 2014 6:16 pm
Operator : saumilp
Sample : IC4301-1
Misc : op73826,em4301
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:29:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

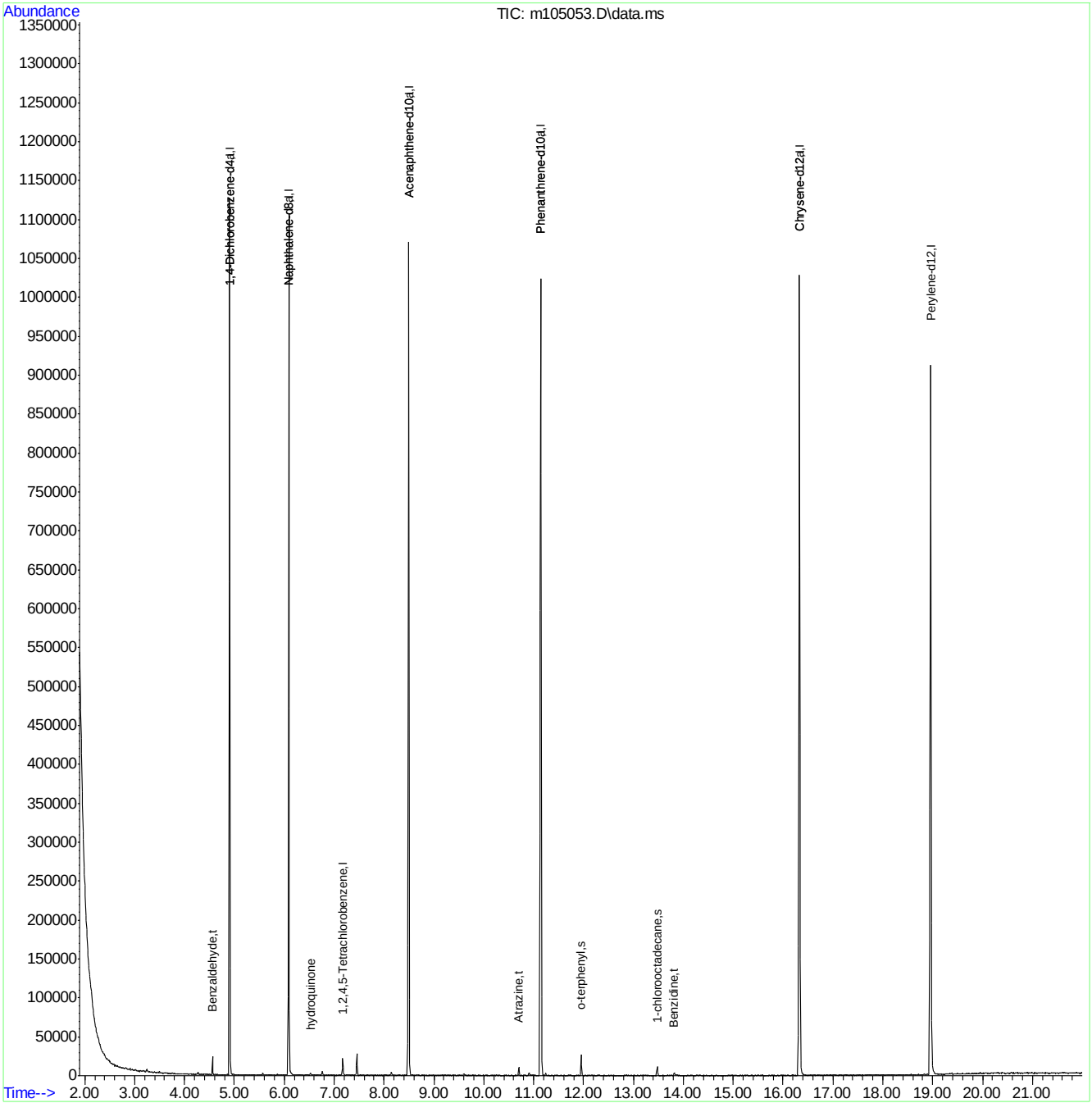
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.903	152	141604	40.00	ppb	0.00
24) Naphthalene-d8	6.089	136	511668	40.00	ppb	0.00
47) Acenaphthene-d10	8.493	164	303007	40.00	ppb	0.00
69) Phenanthrene-d10	11.143	188	515795	40.00	ppb	0.00
83) Chrysene-d12	16.330	240	529072	40.00	ppb	0.00
92) Perylene-d12	18.958	264	472271	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	141604	40.00	ppb	0.00
104) Acenaphthene-d10a	8.493	164	303007	40.00	ppb	0.00
107) Chrysene-d12a	16.330	240	529072	40.00	ppb	0.00
110) Phenanthrene-d10a	11.143	188	515795	40.00	ppb	0.00
112) Naphthalene-d8a	6.089	136	511668	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.472	57	2342	0.67	ppb	0.00
Spiked Amount 50.000			Recovery =	1.34%		
111) o-terphenyl	11.950	230	7227	0.94	ppb	0.00
Spiked Amount 50.000			Recovery =	1.88%		
Target Compounds						Qvalue
103) Benzaldehyde	4.561	105	3875	1.23	ppb	89
105) 1,2,4,5-Tetrachloroben...	7.174	216	4771	1.10	ppb	93
106) Atrazine	10.700	215	1247	0.77	ppb	97
108) Benzidine	13.814	184	3931	0.66	ppb	93
113) hydroquinone	6.533	110	1713	0.29	ppb	50

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105053.D
Acq On : 12 Jun 2014 6:16 pm
Operator : saumilp
Sample : IC4301-1
Misc : op73826,em4301
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:29:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/16/14 13:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:59:24 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.903	152	95366	40.00	ppb	0.00
24) Naphthalene-d8	6.089	136	343981	40.00	ppb	0.00
47) Acenaphthene-d10	8.493	164	205702	40.00	ppb	0.00
69) Phenanthrene-d10	11.143	188	350423	40.00	ppb	0.00
83) Chrysene-d12	16.330	240	358812	40.00	ppb	0.00
92) Perylene-d12	18.958	264	324654	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	95366	40.00	ppb	0.00
104) Acenaphthene-d10a	8.493	164	205702	40.00	ppb	0.00
107) Chrysene-d12a	16.330	240	358812	40.00	ppb	0.00
110) Phenanthrene-d10a	11.143	188	350423	40.00	ppb	0.00
112) Naphthalene-d8a	6.089	136	343981	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.777	79	173174	40.62	ppb	95
4) N-Nitrosodimethylamine	2.745	42	65133	42.24	ppb	90
11) bis(2-Chloroethyl)ether	4.684	93	161051	46.51	ppb	97
14) 1,3-Dichlorobenzene	4.861	146	167362	42.88	ppb	97
15) 1,4-Dichlorobenzene	4.919	146	169253	41.72	ppb	97
16) Benzyl alcohol	5.010	108	106740	41.96	ppb	99
17) 1,2-Dichlorobenzene	5.048	146	161675	43.00	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.122	121	51108	46.44	ppb	97
22) n-Nitroso-di-n-propyla...	5.234	70	113059	44.08	ppb	95
23) Hexachloroethane	5.341	201	60607	43.86	ppb	98
26) Nitrobenzene	5.389	77	170047	42.31	ppb	97
28) Isophorone	5.603	82	289593	41.73	ppb	99
32) bis(2-Chloroethoxy)met...	5.817	93	186449	47.20	ppb	99
36) 1,2,4-Trichlorobenzene	6.025	180	137554	42.95	ppb	98
38) Naphthalene	6.111	128	446368	42.20	ppb	99
42) Hexachlorobutadiene	6.255	225	80653	43.85	ppb	97
44) 2-Methylnaphthalene	6.944	141	247397	42.42	ppb	98
48) Hexachlorocyclopentadiene	7.174	237	71443	40.83	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:59:24 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

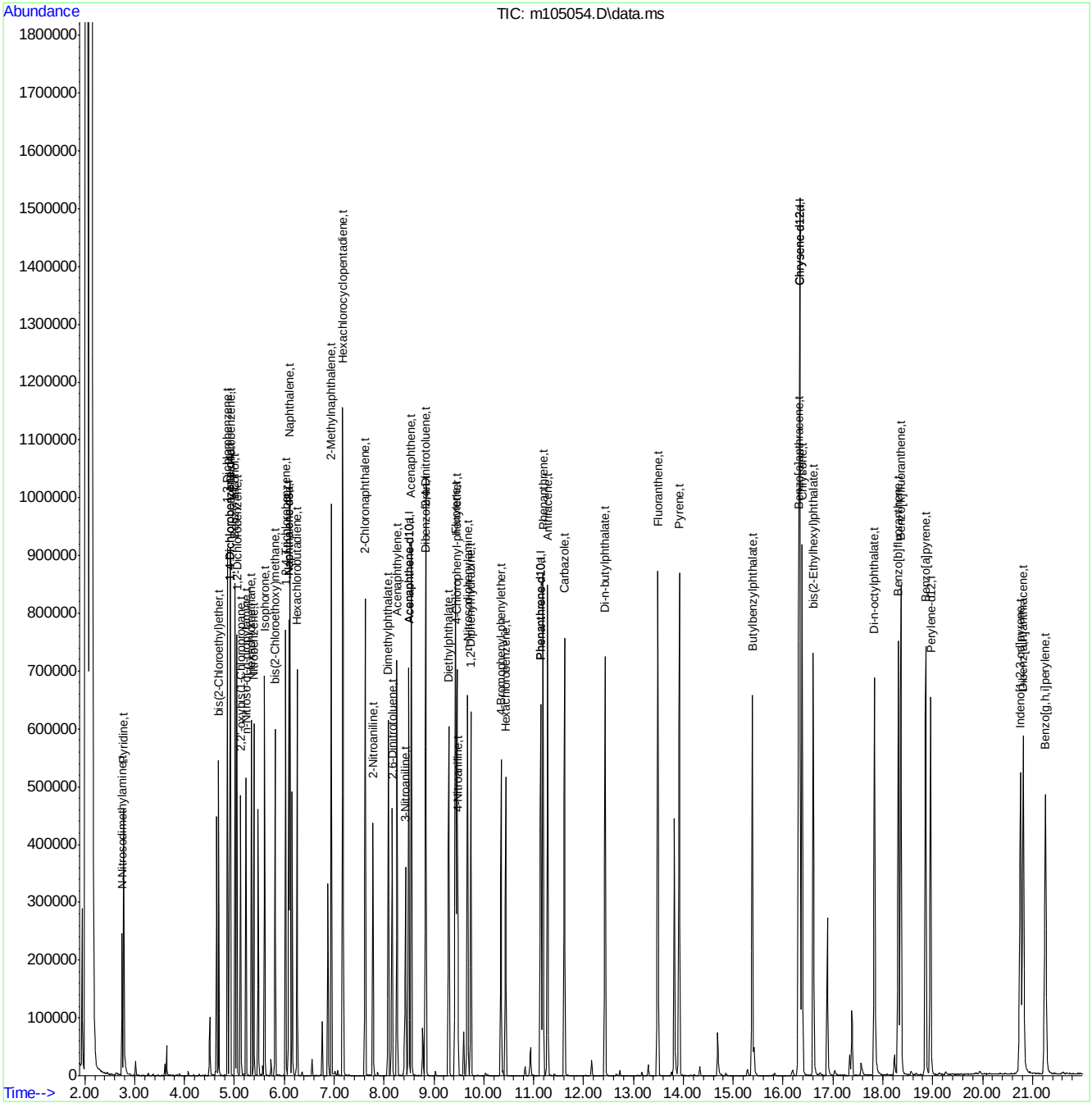
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	2-Chloronaphthalene	7.622	162	288306	43.07	ppb	99
54)	2-Nitroaniline	7.777	65	82182	44.90	ppb	93
55)	Dimethylphthalate	8.087	163	315590	44.52	ppb	100
56)	Acenaphthylene	8.258	152	385581	37.67	ppb	99
57)	2,6-Dinitrotoluene	8.167	165	68893	45.02	ppb	98
58)	3-Nitroaniline	8.429	138	71154	39.55	ppb	94
59)	Acenaphthene	8.547	153	281841	44.40	ppb	96
62)	Dibenzofuran	8.840	168	403463	43.26	ppb	99
63)	2,4-Dinitrotoluene	8.830	165	86558	41.35	ppb	99
65)	Diethylphthalate	9.300	149	313883	45.50	ppb	99
66)	Fluorene	9.433	166	322626	44.52	ppb	99
67)	4-Chlorophenyl-phenyle...	9.460	204	162755	46.30	ppb	99
68)	4-Nitroaniline	9.481	138	82684	44.46	ppb	96
71)	n-Nitrosodiphenylamine	9.674	169	222786	46.33	ppb	98
72)	1,2-Diphenylhydrazine	9.738	77	349121	44.89	ppb	97
74)	4-Bromophenyl-phenylether	10.347	248	87372	48.05	ppb	98
75)	Hexachlorobenzene	10.438	284	87885	44.21	ppb	94
77)	Phenanthrene	11.186	178	448365	42.13	ppb	99
78)	Anthracene	11.282	178	455102	42.99	ppb	100
79)	Carbazole	11.618	167	434804	43.26	ppb	100
80)	Di-n-butylphthalate	12.430	149	531966	47.91	ppb	100
81)	Fluoranthene	13.488	202	500673	44.55	ppb	99
84)	Pyrene	13.921	202	525230	42.43	ppb	99
87)	Butylbenzylphthalate	15.385	149	236779	47.38	ppb	99
88)	Benzo[a]anthracene	16.314	228	473344	42.50	ppb	98
90)	Chrysene	16.384	228	476941m	45.11	ppb	
91)	bis(2-Ethylhexyl)phtha...	16.603	149	319592	47.84	ppb	100
93)	Di-n-octylphthalate	17.831	149	546448	42.62	ppb	99
94)	Benzo[b]fluoranthene	18.312	252	456864	39.68	ppb	99
95)	Benzo[k]fluoranthene	18.360	252	468212	41.18	ppb	99
96)	Benzo[a]pyrene	18.857	252	436316m	43.27	ppb	
97)	Indeno[1,2,3-cd]pyrene	20.759	276	377828	41.91	ppb	97
99)	Dibenz[a,h]anthracene	20.817	278	406581	43.04	ppb	98
101)	Benzo[g,h,i]perylene	21.261	276	406124	44.57	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:59:24 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Manual Integration Approval Summary

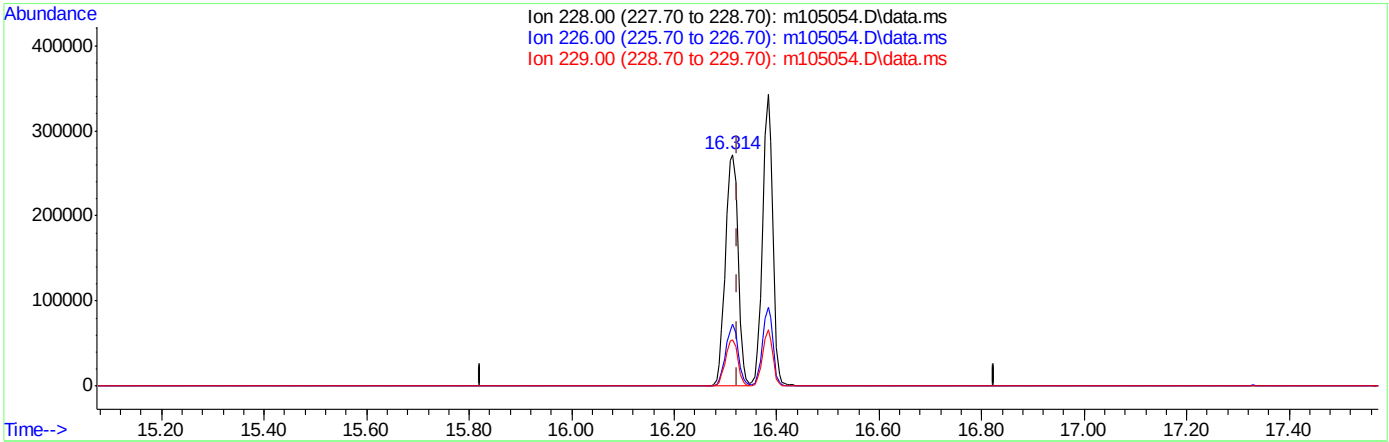
Sample Number:	EM4301-ICV4300	**Method:**	SW846 8270D
Lab FileID:	M105054.D	**Analyst approved:**	06/13/14 09:23 Saumil Patel
Injection Time:	06/12/14 18:45	**Supervisor approved:**	06/16/14 13:29 Nina Pandya

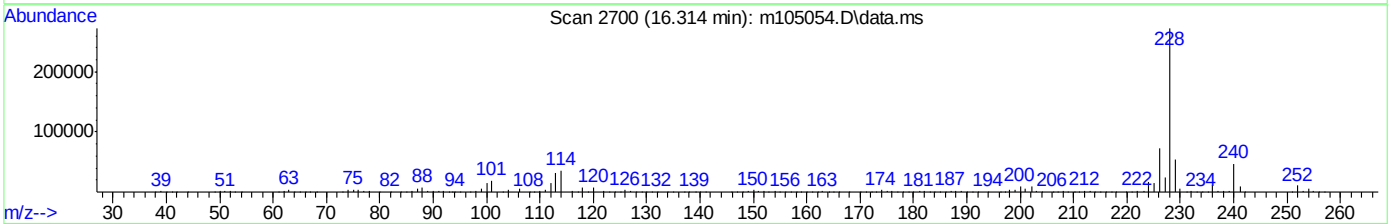
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chrysene	218-01-9		16.38	Poor instrument integration
Benzo(a)pyrene	50-32-8		18.86	Poor instrument integration

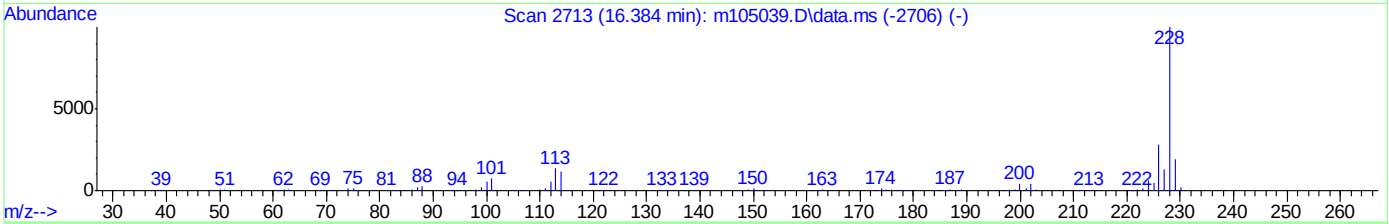
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(90) Chrysene (t)

16.314min (-0.010) 44.77ppb

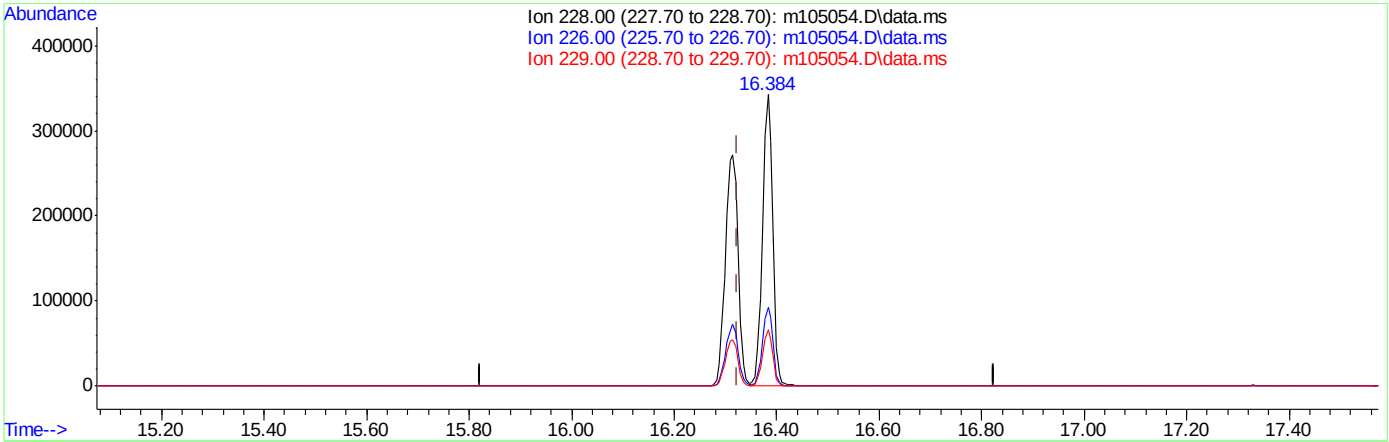
response 473344

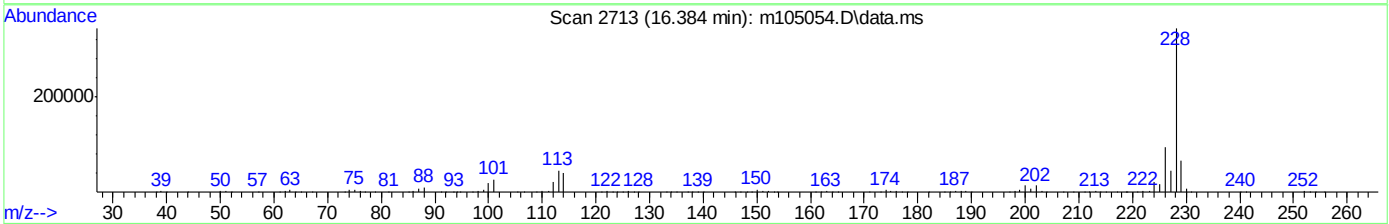
Ion	Exp%	Act%
228.00	100	100
226.00	28.20	26.52
229.00	18.90	20.11
0.00	0.00	0.00

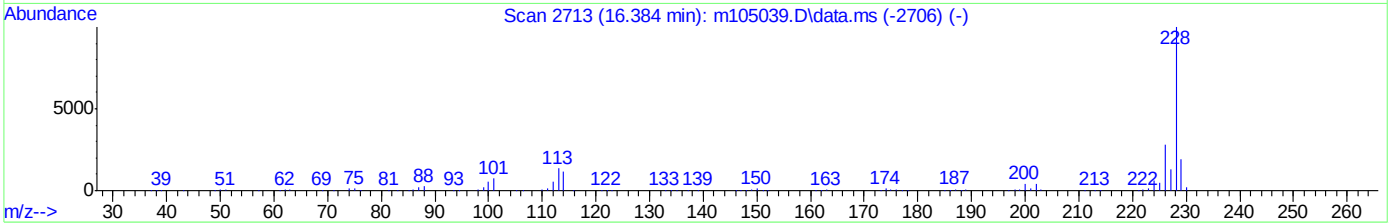
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(90) Chrysene (t)

16.384min (+0.060) 45.11ppb m

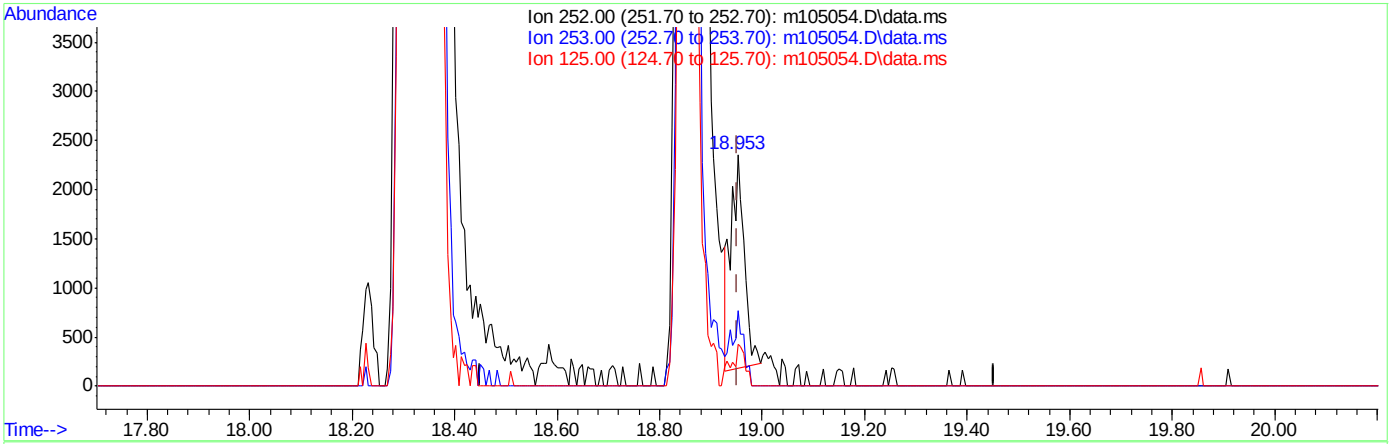
response 476941

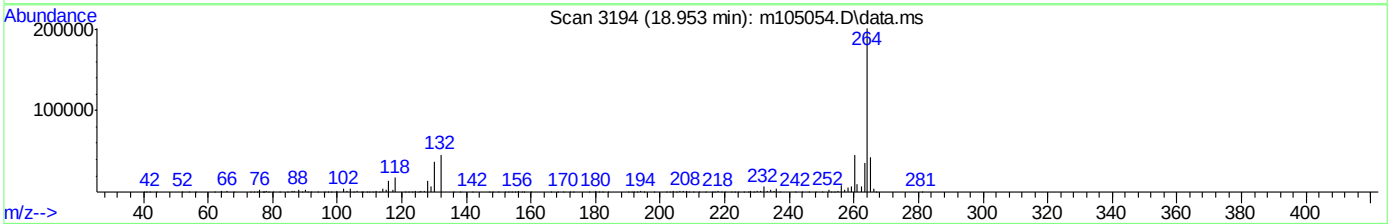
Ion	Exp%	Act%
228.00	100	100
226.00	28.20	27.18
229.00	18.90	19.54
0.00	0.00	0.00

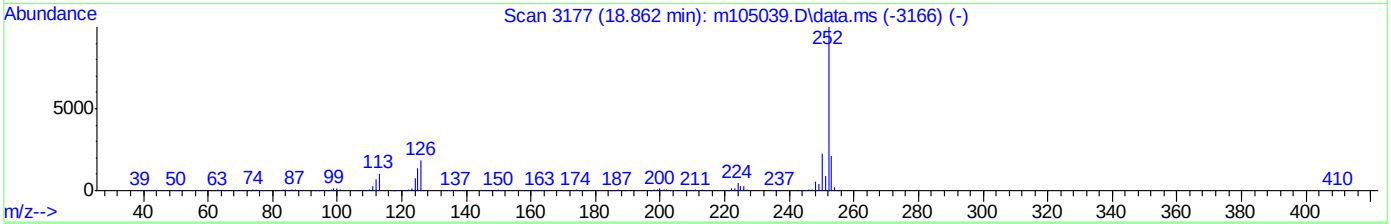
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(96) Benzo[a]pyrene (t)

18.953min (+0.001) 0.40ppb

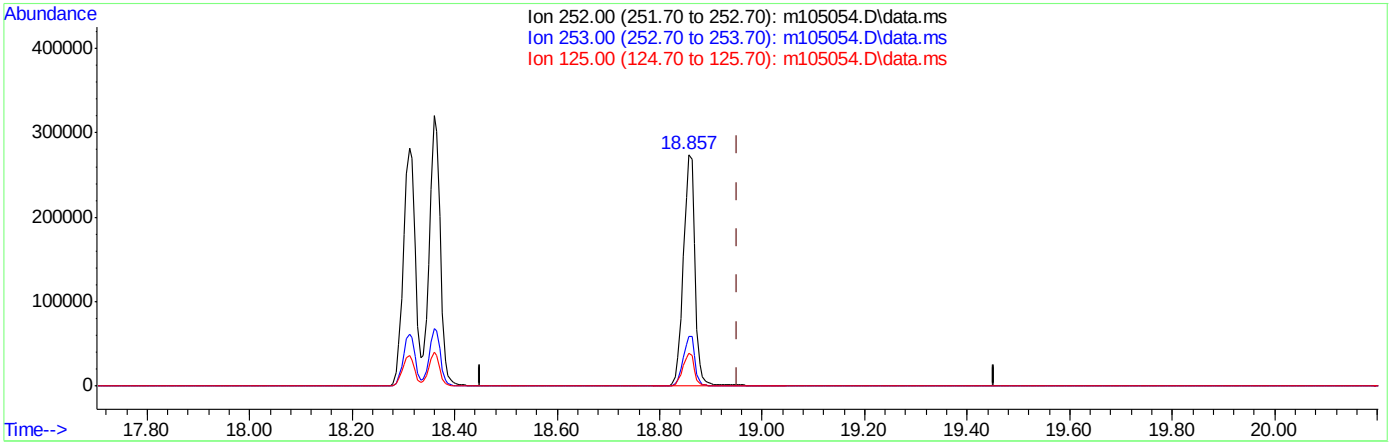
response 4047

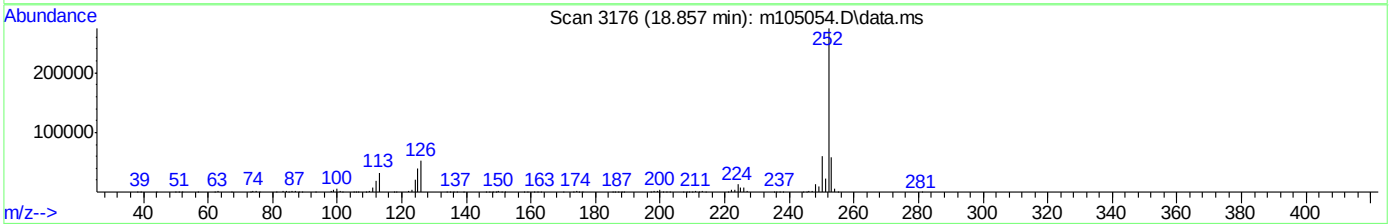
Ion	Exp%	Act%
252.00	100	100
253.00	21.20	40.71
125.00	13.70	21.17
0.00	0.00	0.00

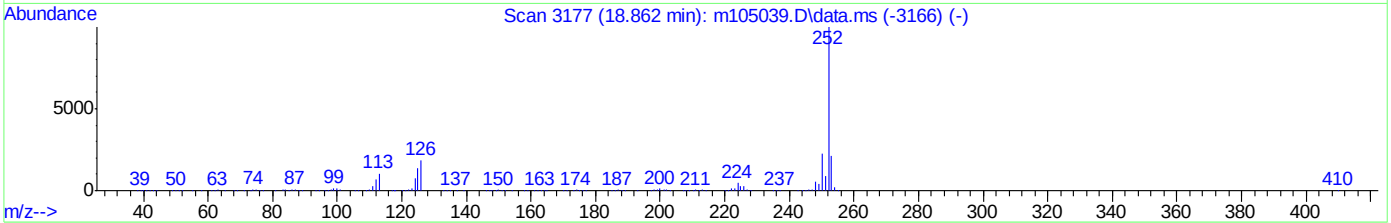
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(96) Benzo[a]pyrene (t)

18.857min (-0.095) 43.27ppb m

response 436316

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	21.41
125.00	13.70	14.39
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054a.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 09:01:19 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

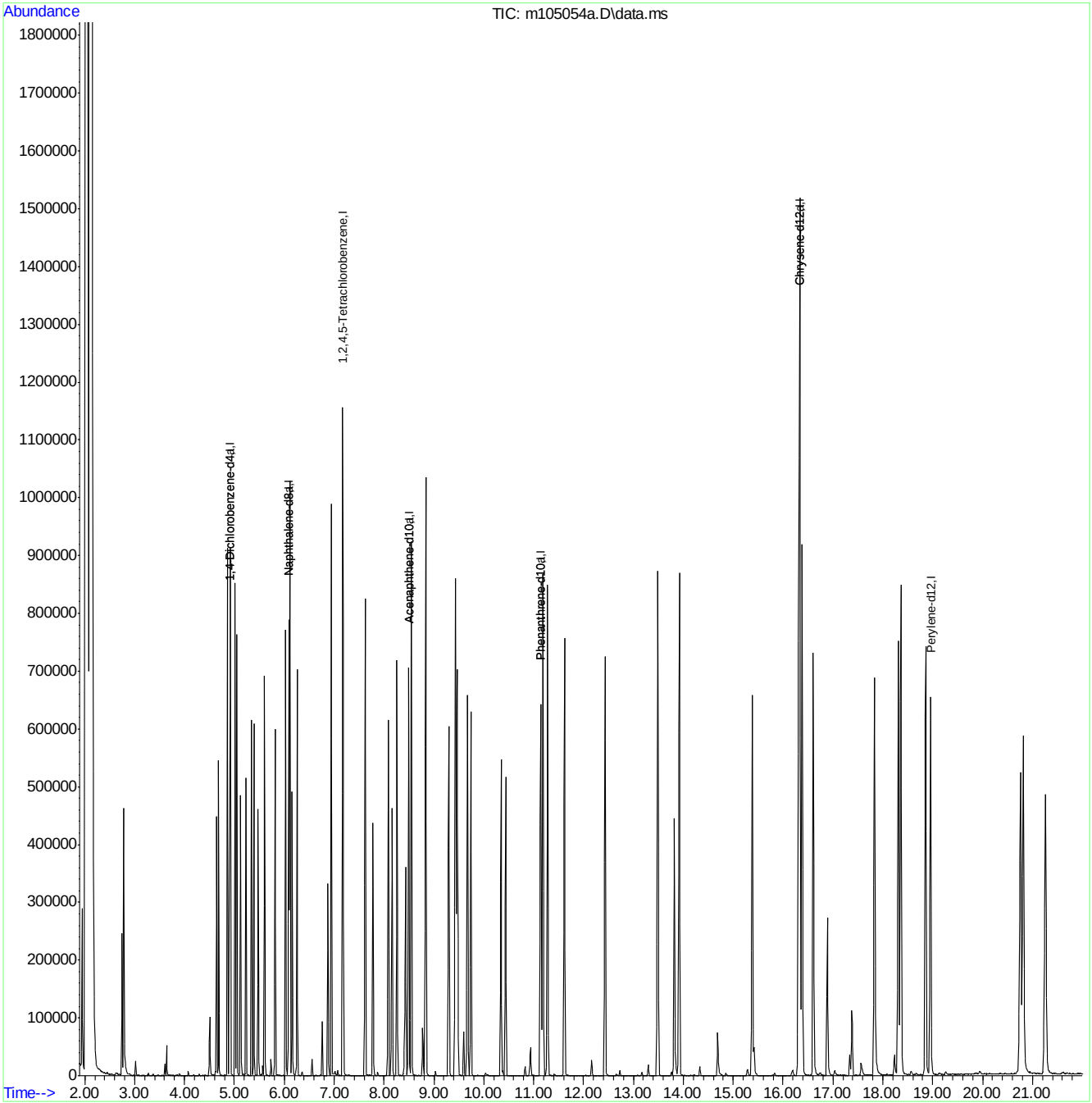
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.903	152	95366	40.00	ppb	0.00
24) Naphthalene-d8	6.089	136	343981	40.00	ppb	0.00
47) Acenaphthene-d10	8.493	164	205702	40.00	ppb	0.00
69) Phenanthrene-d10	11.143	188	350423	40.00	ppb	0.00
83) Chrysene-d12	16.330	240	358812	40.00	ppb	0.00
92) Perylene-d12	18.958	264	324654	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	95366	40.00	ppb	0.00
104) Acenaphthene-d10a	8.493	164	205702	40.00	ppb	0.00
107) Chrysene-d12a	16.330	240	358812	40.00	ppb	0.00
110) Phenanthrene-d10a	11.143	188	350423	40.00	ppb	0.00
112) Naphthalene-d8a	6.089	136	343981	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
105) 1,2,4,5-Tetrachloroben...	7.174	216	154364	49.45	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054a.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 09:01:19 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055a.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:05:44 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

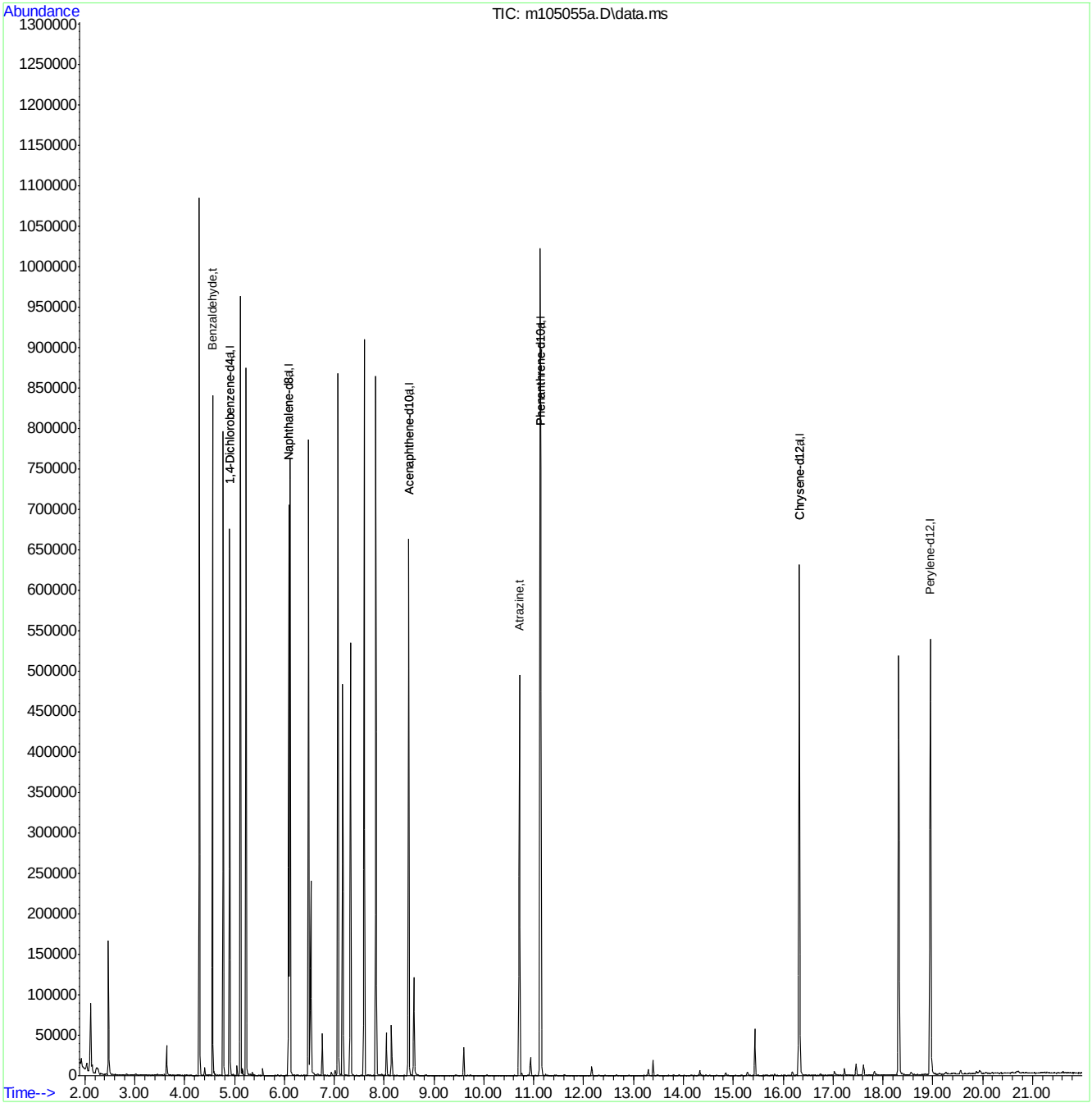
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	88794	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	316524	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	185401	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	304906	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	312879	40.00	ppb	0.00
92) Perylene-d12	18.951	264	262761	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	88794	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	185401	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	312879	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	304906	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	316524	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.560	105	133123	54.70	ppb	97
106) Atrazine	10.714	215	44731	49.51	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055a.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:05:44 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:04:57 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

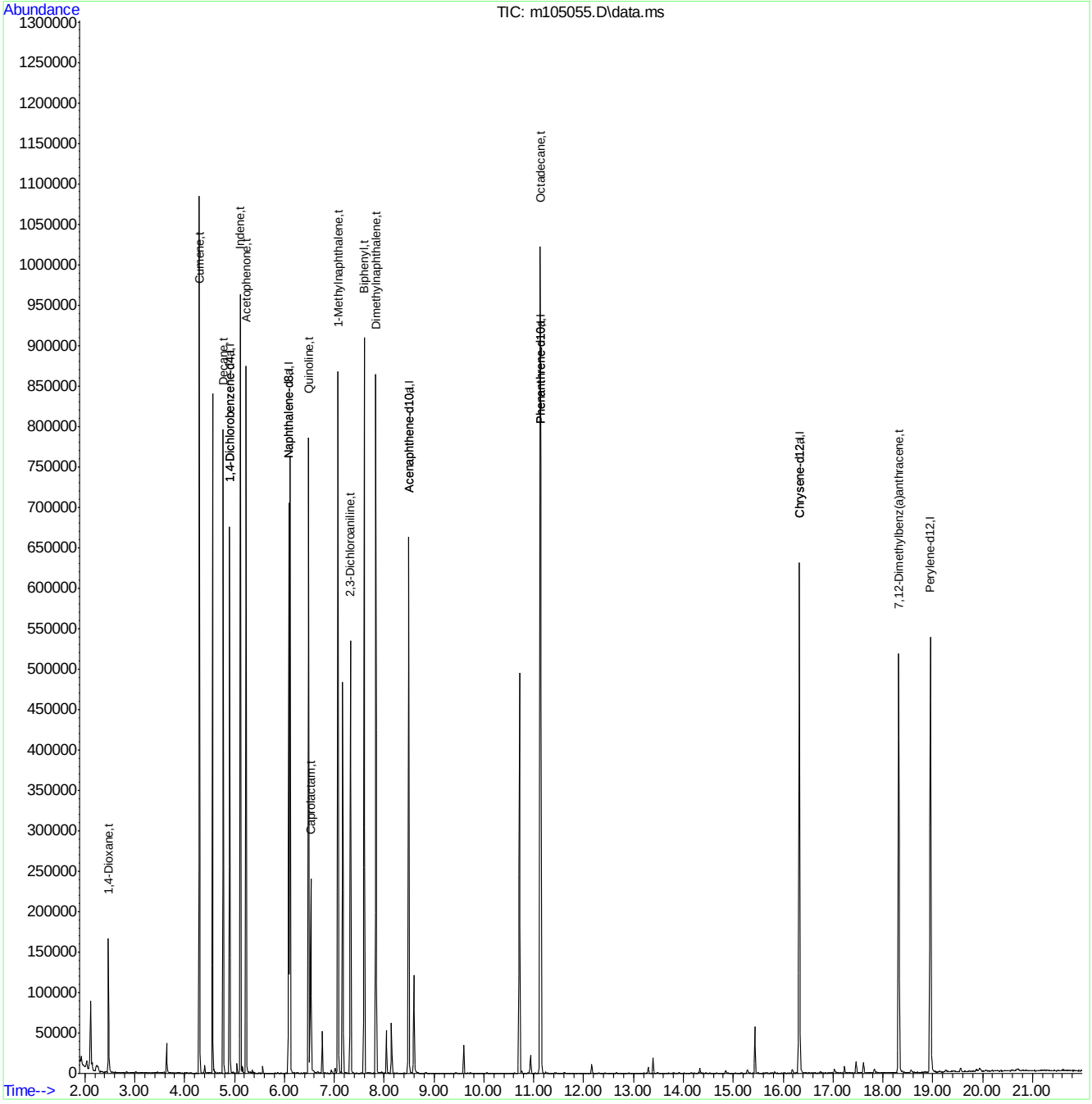
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	88794	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	316524	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	185401	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	304906	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	312879	40.00	ppb	0.00
92) Perylene-d12	18.951	264	262761	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	88794	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	185401	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	312879	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	304906	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	316524	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.471	88	64360	40.21	ppb	95
6) Indene	5.115	116	262990	44.91	ppb	99
7) Cumene	4.298	105	359529	42.88	ppb	100
13) Decane	4.773	43	109104	42.01	ppb	98
18) Acetophenone	5.233	105	219847	44.72	ppb	98
27) Quinoline	6.483	129	288020	43.06	ppb	99
40) 2,3-Dichloroaniline	7.327	161	128383	39.67	ppb	95
41) Caprolactam	6.531	55	53588	41.27	ppb	98
45) 1-Methylnaphthalene	7.076	142	262351	42.53	ppb	98
46) Dimethylnaphthalene	7.834	156	239516	43.04	ppb	95
53) Biphenyl	7.599	154	332896	43.86	ppb	98
82) Octadecane	11.130	57	149979	48.76	ppb	97
100) 7,12-Dimethylbenz(a)an...	18.316	256	144877	34.20	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:04:57 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



MM4300.M Mon Jun 16 13:01:39 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105056.D
Acq On : 12 Jun 2014 7:44 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 09:06:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

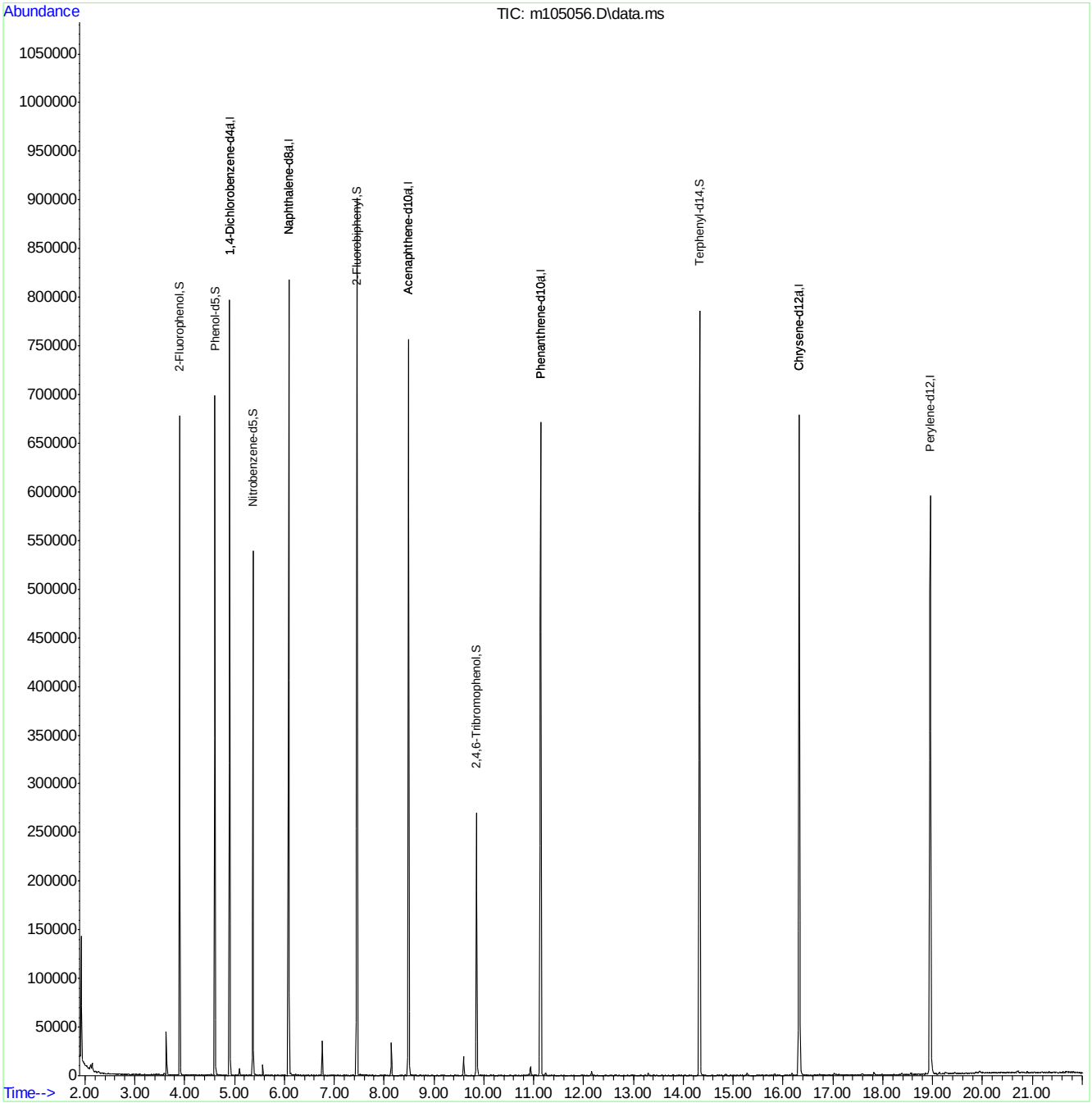
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.900	152	101895	40.00	ppb	0.00
24) Naphthalene-d8	6.086	136	363456	40.00	ppb	0.00
47) Acenaphthene-d10	8.490	164	210900	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	348556	40.00	ppb	0.00
83) Chrysene-d12	16.322	240	346701	40.00	ppb	0.00
92) Perylene-d12	18.950	264	303587	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.900	152	101895	40.00	ppb	0.00
104) Acenaphthene-d10a	8.490	164	210900	40.00	ppb	0.00
107) Chrysene-d12a	16.322	240	346701	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	348556	40.00	ppb	0.00
112) Naphthalene-d8a	6.086	136	363456	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.902	112	154809	42.63	ppb	0.00
Spiked Amount 50.000			Recovery =	85.26%		
8) Phenol-d5	4.607	99	189349	40.03	ppb	0.00
Spiked Amount 50.000			Recovery =	80.06%		
25) Nitrobenzene-d5	5.371	82	162055	43.02	ppb	0.00
Spiked Amount 50.000			Recovery =	86.04%		
51) 2-Fluorobiphenyl	7.454	172	315364	43.13	ppb	0.00
Spiked Amount 50.000			Recovery =	86.26%		
73) 2,4,6-Tribromophenol	9.853	330	34076	44.42	ppb	0.00
Spiked Amount 50.000			Recovery =	88.84%		
86) Terphenyl-d14	14.324	244	350300	45.09	ppb	0.00
Spiked Amount 50.000			Recovery =	90.18%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105056.D
Acq On : 12 Jun 2014 7:44 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 09:06:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



MM4300.M Fri Jun 13 09:06:42 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105057.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 09:07:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

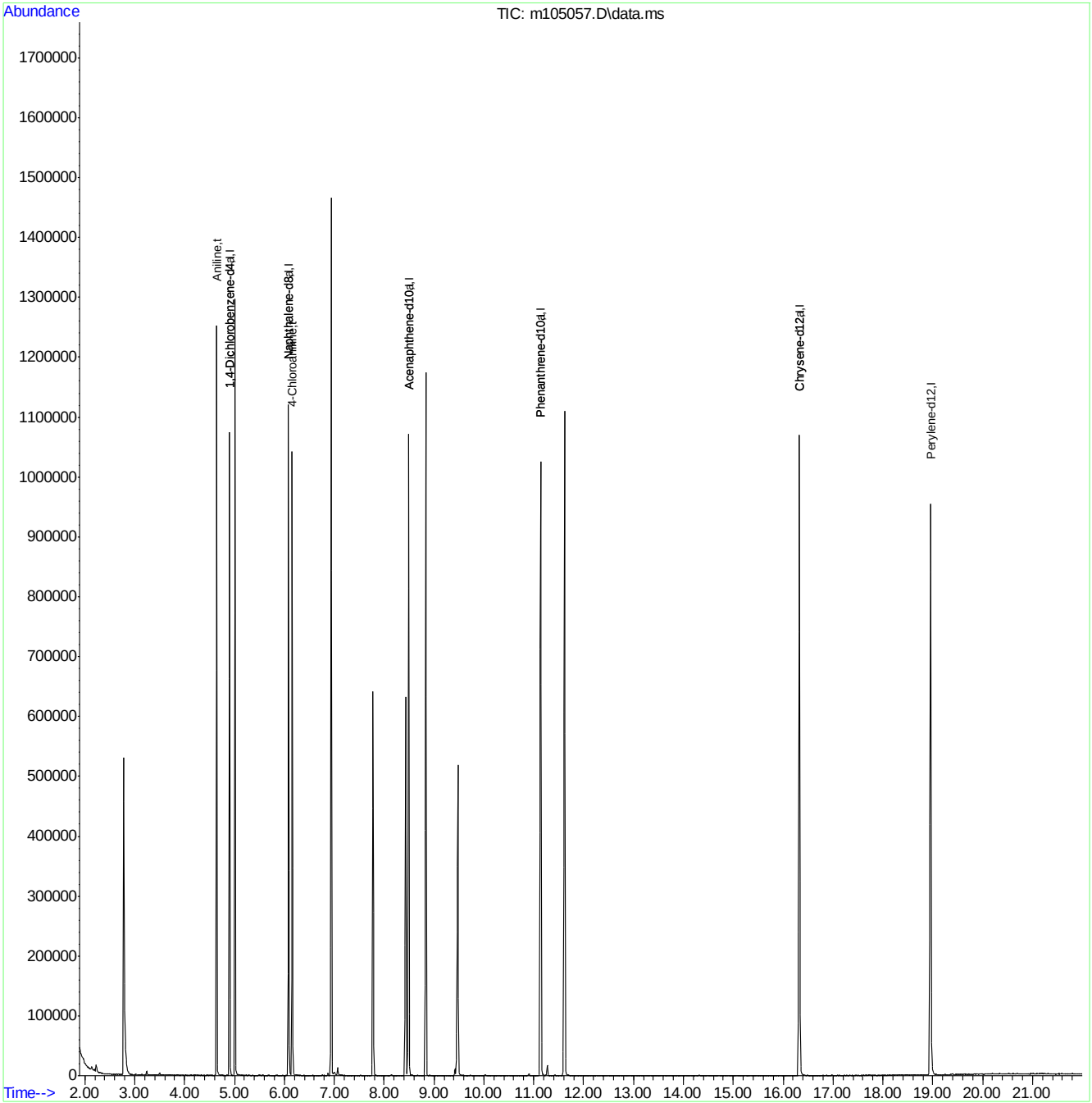
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	137344	40.00	ppb	0.00
24) Naphthalene-d8	6.082	136	500318	40.00	ppb	0.00
47) Acenaphthene-d10	8.492	164	306083	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	528882	40.00	ppb	0.00
83) Chrysene-d12	16.328	240	554319	40.00	ppb	0.00
92) Perylene-d12	18.957	264	493499	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	137344	40.00	ppb	0.00
104) Acenaphthene-d10a	8.492	164	306083	40.00	ppb	0.00
107) Chrysene-d12a	16.328	240	554319	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	528882	40.00	ppb	0.00
112) Naphthalene-d8a	6.082	136	500318	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.640	93	390619	46.62	ppb	98
39) 4-Chloroaniline	6.157	127	314791	46.76	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105057.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 09:07:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059a.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:09:16 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

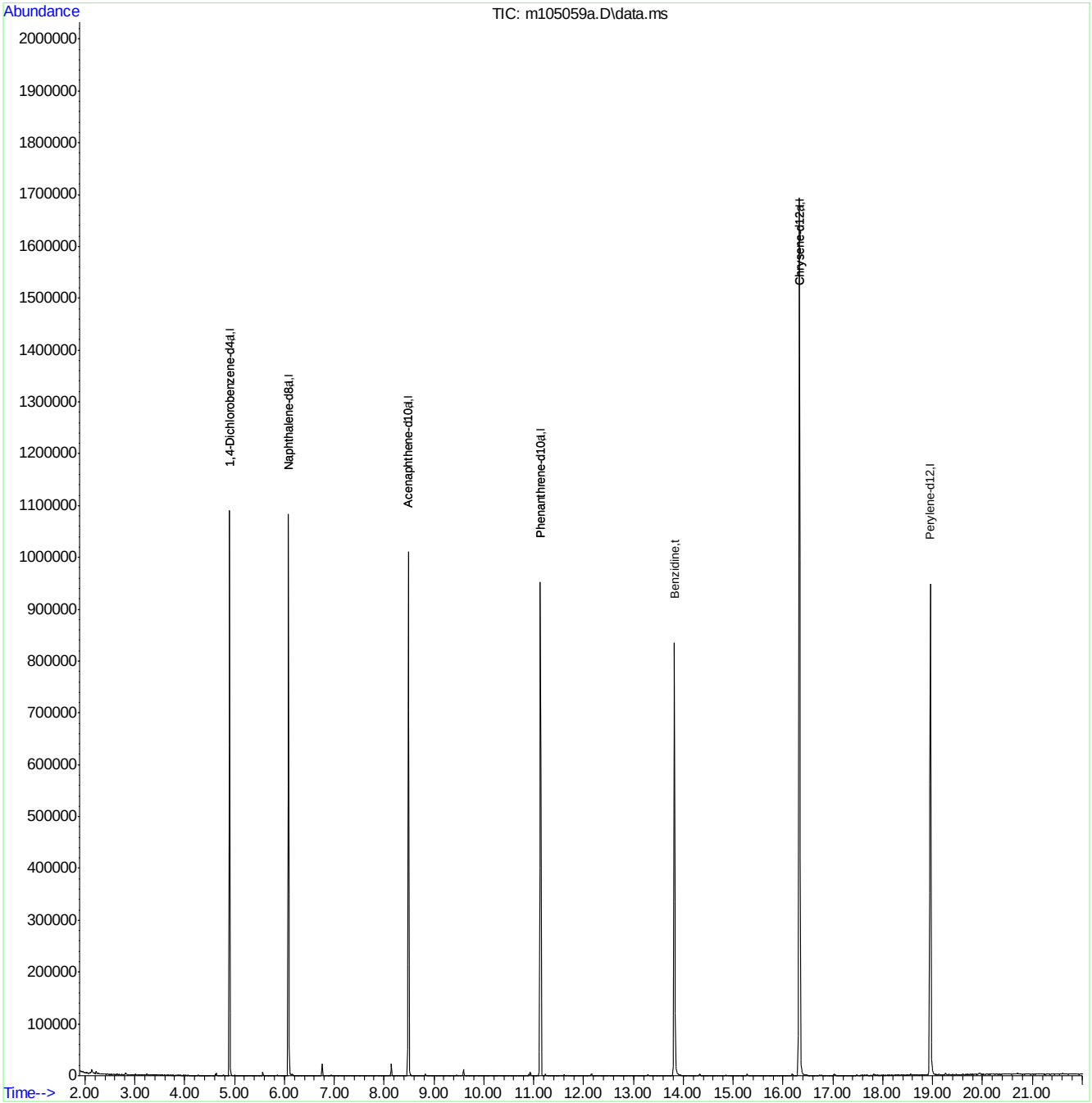
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	134895	40.00	ppb	0.00
24) Naphthalene-d8	6.081	136	474574	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	286500	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	498000	40.00	ppb	0.00
83) Chrysene-d12	16.327	240	519908	40.00	ppb	0.00
92) Perylene-d12	18.956	264	479529	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	134895	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	286500	40.00	ppb	0.00
107) Chrysene-d12a	16.327	240	519908	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	498000	40.00	ppb	0.00
112) Naphthalene-d8a	6.081	136	474574	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	13.822	184	456925	58.18	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059a.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:09:16 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:08:33 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

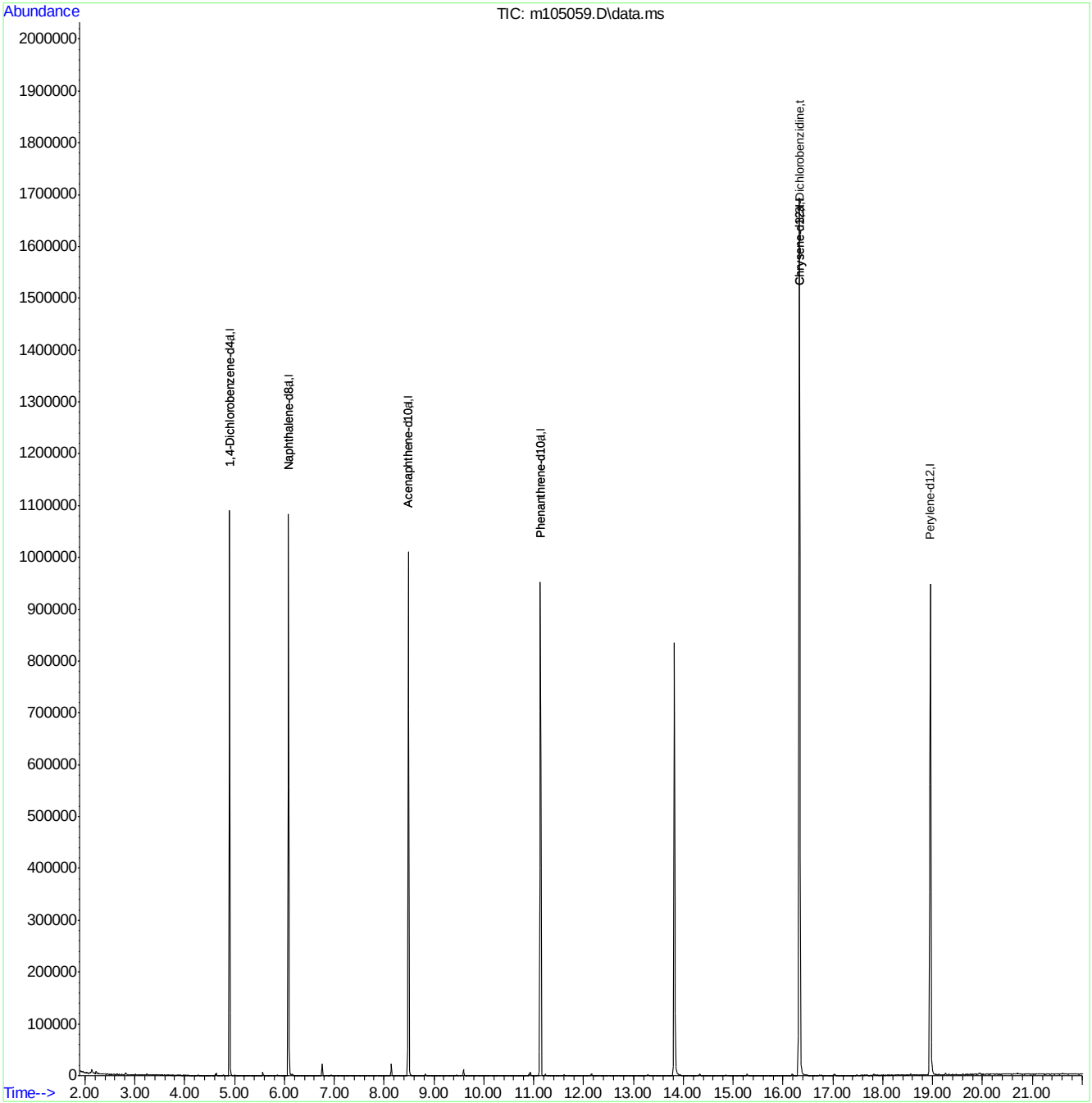
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	134895	40.00	ppb	0.00
24) Naphthalene-d8	6.081	136	474574	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	286500	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	498000	40.00	ppb	0.00
83) Chrysene-d12	16.327	240	519908	40.00	ppb	0.00
92) Perylene-d12	18.956	264	479529	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	134895	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	286500	40.00	ppb	0.00
107) Chrysene-d12a	16.327	240	519908	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	498000	40.00	ppb	0.00
112) Naphthalene-d8a	6.081	136	474574	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	16.333	252	240259	44.70	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:08:33 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105060.D
Acq On : 12 Jun 2014 9:42 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 09:10:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	118535	40.00	ppb	0.00
24) Naphthalene-d8	6.082	136	422080	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	252228	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	439112	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	457472	40.00	ppb	0.00
92) Perylene-d12	18.956	264	402018	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	118535	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	252228	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	457472	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	439112	40.00	ppb	0.00
112) Naphthalene-d8a	6.082	136	422080	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) hydroquinone	6.541	110	238973	55.74	ppb	97

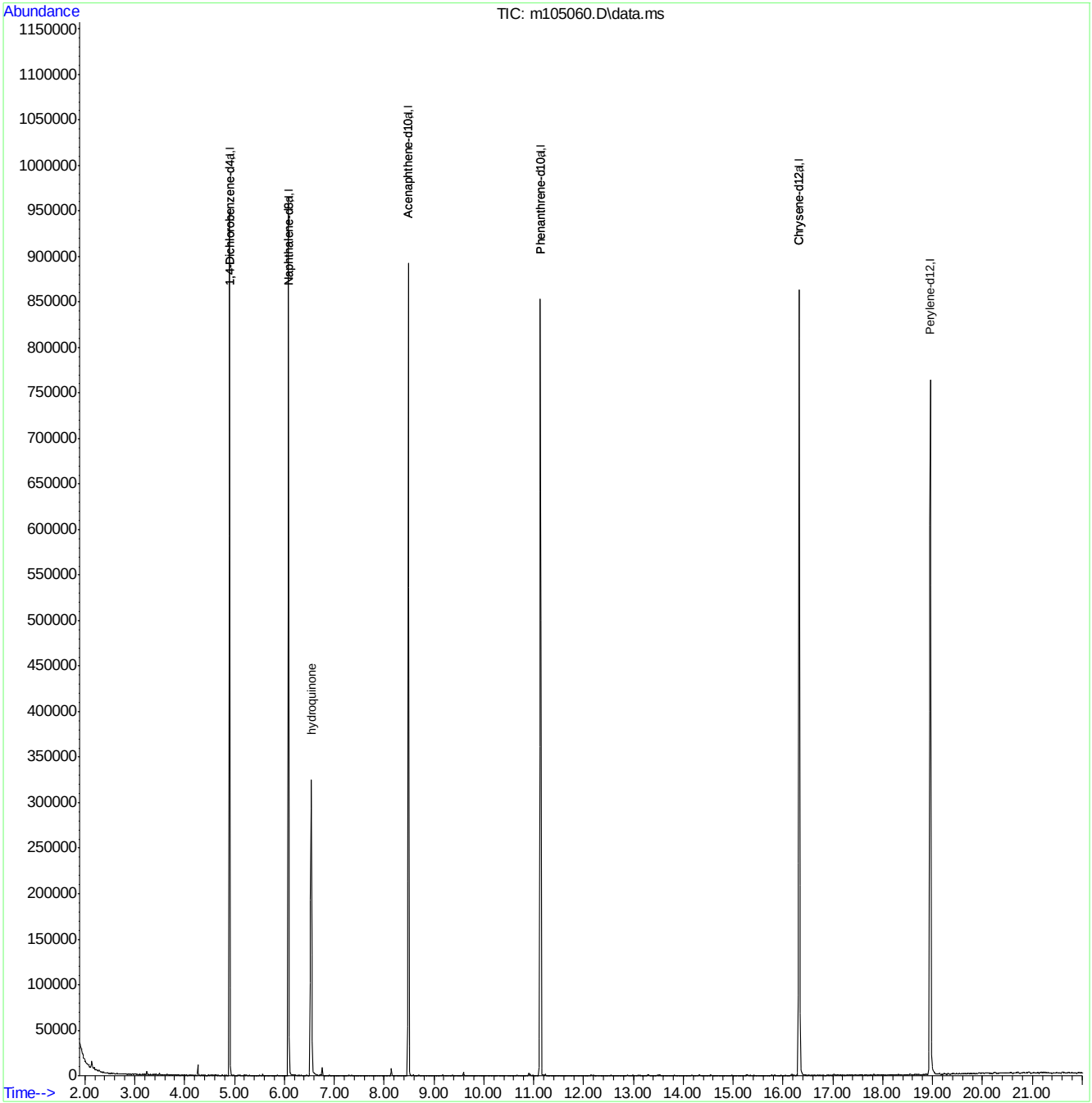
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105060.D
Acq On : 12 Jun 2014 9:42 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 09:10:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105064.D
Acq On : 13 Jun 2014 9:54 am
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4302
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 10:22:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.899	152	143834	40.00	ppb	0.00
24) Naphthalene-d8	6.084	136	496670	40.00	ppb	0.00
47) Acenaphthene-d10	8.488	164	292610	40.00	ppb	0.00
69) Phenanthrene-d10	11.138	188	504284	40.00	ppb	0.00
83) Chrysene-d12	16.320	240	484783	40.00	ppb	0.00
92) Perylene-d12	18.948	264	400690	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.899	152	143834	40.00	ppb	0.00
104) Acenaphthene-d10a	8.488	164	292610	40.00	ppb	0.00
107) Chrysene-d12a	16.320	240	484783	40.00	ppb	-0.01
110) Phenanthrene-d10a	11.138	188	504284	40.00	ppb	0.00
112) Naphthalene-d8a	6.084	136	496670	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Phenol	4.615	94	339433	44.94	ppb	98
12) 2-Chlorophenol	4.738	128	273192	48.41	ppb	96
19) 2-Methylphenol	5.096	108	243860	48.34	ppb	99
21) 3&4-Methylphenol	5.224	108	254895	47.50	ppb #	83
29) 2-Nitrophenol	5.689	139	129000	49.22	ppb	96
30) 2,4-Dimethylphenol	5.721	107	271127	52.10	ppb	97
31) Benzoic acid	5.817	105	159451	46.43	ppb	95
33) 2,4-Dichlorophenol	5.924	162	201780	51.56	ppb	96
34) 2,6-Dichlorophenol	6.170	162	197970	50.06	ppb	98
43) 4-Chloro-3-methylphenol	6.731	107	229882	50.67	ppb	97
49) 2,4,6-Trichlorophenol	7.329	196	148518	52.35	ppb	99
50) 2,4,5-Trichlorophenol	7.372	196	158410	51.52	ppb	93
60) 2,4-Dinitrophenol	8.595	184	43670	39.01	ppb	84
61) 4-Nitrophenol	8.729	109	76506	55.96	ppb	95
64) 2,3,4,6-Tetrachlorophenol	9.055	232	119769	50.94	ppb	97
70) 4,6-Dinitro-2-methylph...	9.530	198	81662	44.89	ppb	96
76) Pentachlorophenol	10.807	266	95988	55.19	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105064.D
Acq On : 13 Jun 2014 9:54 am
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4302
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 10:22:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

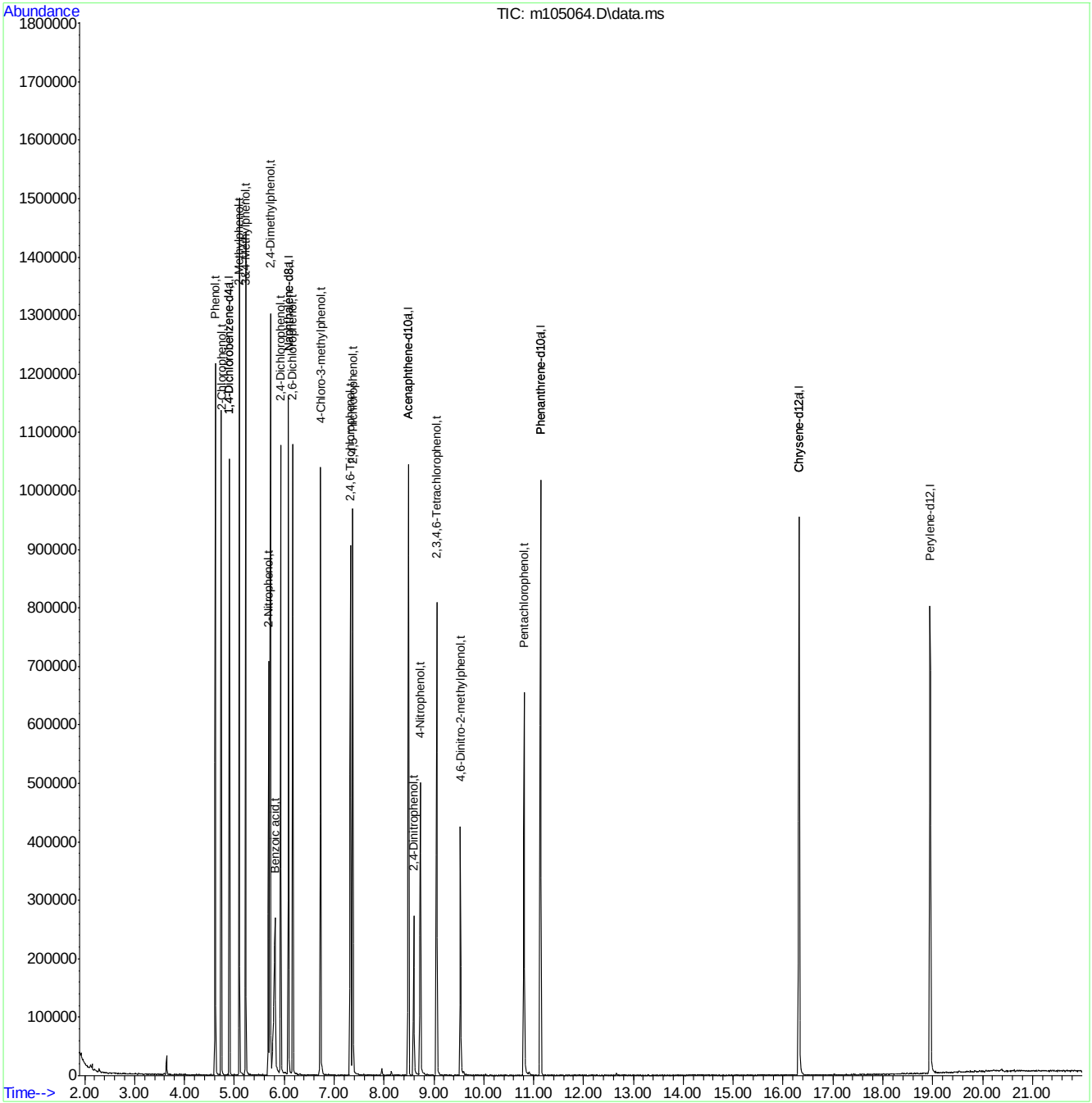
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105064.D
Acq On : 13 Jun 2014 9:54 am
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4302
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 10:22:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105619.D
Acq On : 26 Jun 2014 10:10 pm
Operator : ashleyd
Sample : cc4300-25
Misc : op73826,em4324
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:46:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.693	152	59509	40.00	ppb		0.00
24) Naphthalene-d8	5.831	136	223360	40.00	ppb		0.00
47) Acenaphthene-d10	8.182	164	138658	40.00	ppb		0.00
69) Phenanthrene-d10	10.805	188	235716	40.00	ppb		0.00
83) Chrysene-d12	15.986	240	211284	40.00	ppb		0.00
92) Perylene-d12	18.615	264	187076	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.693	152	59509	40.00	ppb		0.00
104) Acenaphthene-d10a	8.182	164	138658	40.00	ppb		0.00
107) Chrysene-d12a	15.986	240	211284	40.00	ppb		0.00
109) Naphthalene-d8a	5.831	136	223360	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.721	112	51856	24.45	ppb		0.00
Spiked Amount 50.000			Recovery = 48.90%				
8) Phenol-d5	4.442	99	69314	25.09	ppb		0.00
Spiked Amount 50.000			Recovery = 50.18%				
25) Nitrobenzene-d5	5.147	82	60779	26.25	ppb		0.00
Spiked Amount 50.000			Recovery = 52.50%				
51) 2-Fluorobiphenyl	7.167	172	114350	23.78	ppb		0.00
Spiked Amount 50.000			Recovery = 47.56%				
73) 2,4,6-Tribromophenol	9.538	330	13340	25.71	ppb		0.00
Spiked Amount 50.000			Recovery = 51.42%				
86) Terphenyl-d14	13.983	244	117417	24.80	ppb		0.00
Spiked Amount 50.000			Recovery = 49.60%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.230	88	24018	22.39	ppb		92
3) Pyridine	2.562	79	64149	24.11	ppb		98
4) N-Nitrosodimethylamine	2.524	42	22228	23.10	ppb		99
6) Indene	4.896	116	96040	24.47	ppb		99
7) Cumene	4.089	105	138698	24.68	ppb		100
9) Phenol	4.453	94	78824	25.22	ppb		89
10) Aniline	4.447	93	89391	24.62	ppb		63
11) bis(2-Chloroethyl)ether	4.485	93	52806	24.44	ppb		96
12) 2-Chlorophenol	4.544	128	54744	23.45	ppb		97
13) Decane	4.570	43	43316	24.88	ppb		90
14) 1,3-Dichlorobenzene	4.650	146	59776	24.54	ppb		98
15) 1,4-Dichlorobenzene	4.704	146	60601	23.94	ppb		97
16) Benzyl alcohol	4.805	108	39292	24.76	ppb		95
17) 1,2-Dichlorobenzene	4.827	146	56993	24.29	ppb		96
18) Acetophenone	5.014	105	79984	24.27	ppb		98
19) 2-Methylphenol	4.907	108	54720	26.22	ppb		96
20) 2,2'-oxybis(1-Chloropr...	4.907	121	16765	24.41	ppb	#	83
21) 3&4-Methylphenol	5.035	108	57991	26.12	ppb	#	79
22) n-Nitroso-di-n-propyla...	5.014	70	39851	24.90	ppb		96
23) Hexachloroethane	5.104	201	22429	26.01	ppb		88
26) Nitrobenzene	5.163	77	64033	24.54	ppb		97
27) Quinoline	6.226	129	112392	23.81	ppb		98
28) Isophorone	5.372	82	106297	23.59	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105619.D
Acq On : 26 Jun 2014 10:10 pm
Operator : ashleyd
Sample : cc4300-25
Misc : op73826,em4324
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:46:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.452	139	29720	25.21	ppb	98
30) 2,4-Dimethylphenol	5.500	107	54924	23.47	ppb	97
31) Benzoic acid	5.596	105	43212	27.98	ppb	91
32) bis(2-Chloroethoxy)met...	5.575	93	60404	23.55	ppb	96
33) 2,4-Dichlorophenol	5.697	162	45374	25.78	ppb	97
34) 2,6-Dichlorophenol	5.927	162	43902	24.68	ppb	96
35) 1,3,5-Trichlorobenzene	5.468	180	54929	24.84	ppb	95
36) 1,2,4-Trichlorobenzene	5.778	180	50342	24.21	ppb	97
37) 1,2,3-Trichlorobenzene	6.013	180	48128	22.82	ppb	93
38) Naphthalene	5.852	128	160976	23.44	ppb	100
39) 4-Chloroaniline	5.917	127	70094	23.32	ppb	98
40) 2,3-Dichloroaniline	7.044	161	55247	24.19	ppb	99
41) Caprolactam	6.290	55	21823	23.82	ppb	98
42) Hexachlorobutadiene	5.991	225	27186	22.77	ppb	99
43) 4-Chloro-3-methylphenol	6.499	107	48924	23.98	ppb	95
44) 2-Methylnaphthalene	6.664	141	88690	23.42	ppb	97
45) 1-Methylnaphthalene	6.793	142	104156	23.93	ppb	98
46) Dimethylnaphthalene	7.540	156	95744	24.38	ppb	99
48) Hexachlorocyclopentadiene	6.878	237	55117	46.73	ppb	97
49) 2,4,6-Trichlorophenol	7.060	196	33647	25.03	ppb	97
50) 2,4,5-Trichlorophenol	7.118	196	38129	26.17	ppb	98
52) 2-Chloronaphthalene	7.332	162	101213	22.43	ppb	97
53) Biphenyl	7.305	154	132999	23.43	ppb	99
54) 2-Nitroaniline	7.487	65	31837	25.81	ppb	93
55) Dimethylphthalate	7.786	163	112061	23.45	ppb	99
56) Acenaphthylene	7.952	152	166003	24.06	ppb	99
57) 2,6-Dinitrotoluene	7.872	165	27307	26.47	ppb	94
58) 3-Nitroaniline	8.133	138	30052	24.78	ppb	92
59) Acenaphthene	8.235	153	100369	23.45	ppb	96
60) 2,4-Dinitrophenol	8.326	184	30016	52.78	ppb	85
61) 4-Nitrophenol	8.497	109	15649	24.16	ppb	94
62) Dibenzofuran	8.523	168	143812	22.88	ppb	95
63) 2,4-Dinitrotoluene	8.534	165	38752	27.46	ppb	71
64) 2,3,4,6-Tetrachlorophenol	8.759	232	26390	23.68	ppb	90
65) Diethylphthalate	8.978	149	114251	24.57	ppb	97
66) Fluorene	9.106	166	119235	24.41	ppb	97
67) 4-Chlorophenyl-phenyle...	9.138	204	57614	24.31	ppb	98
68) 4-Nitroaniline	9.170	138	31503	25.13	ppb	91
70) 4,6-Dinitro-2-methylph...	9.255	198	21091	24.81	ppb	93
71) n-Nitrosodiphenylamine	9.357	169	81369	25.16	ppb	97
72) 1,2-Diphenylhydrazine	9.416	77	125728	24.03	ppb	98
74) 4-Bromophenyl-phenylether	10.014	248	28269	23.11	ppb	99
75) Hexachlorobenzene	10.110	284	29427	22.01	ppb	95
76) Pentachlorophenol	10.500	266	34573	42.53	ppb	98
77) Phenanthrene	10.847	178	170683	23.85	ppb	99
78) Anthracene	10.943	178	174398	24.49	ppb	98
79) Carbazole	11.291	167	165260	24.45	ppb	98
80) Di-n-butylphthalate	12.092	149	188824	25.28	ppb	99
81) Fluoranthene	13.144	202	182530	24.14	ppb	98
82) Octadecane	10.794	57	63373	26.65	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105619.D
Acq On : 26 Jun 2014 10:10 pm
Operator : ashleyd
Sample : cc4300-25
Misc : op73826,em4324
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:46:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	13.572	202	192276	26.38	ppb	100
85) Butyl stearate	15.287	56	66011	46.01	ppb	99
87) Butylbenzylphthalate	15.041	149	83669	28.43	ppb	95
88) Benzo[a]anthracene	15.970	228	156474	23.86	ppb	100
89) 3,3'-Dichlorobenzidine	15.992	252	56674	25.95	ppb	94
90) Chrysene	16.035	228	147778	23.74	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.264	149	125445	31.89	ppb	99
93) Di-n-octylphthalate	17.493	149	205895	28.86	ppb	98
94) Benzo[b]fluoranthene	17.968	252	147833	22.28	ppb	96
95) Benzo[k]fluoranthene	18.016	252	143403	21.89	ppb	99
96) Benzo[a]pyrene	18.513	252	137826	23.72	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.335	276	132312	25.47	ppb	99
98) Dibenz(a,h)acridine	19.972	279	121425	25.79	ppb	81
99) Dibenz[a,h]anthracene	20.388	278	136769	25.12	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.974	256	75142	24.92	ppb	97
101) Benzo[g,h,i]perylene	20.800	276	131744	25.09	ppb	95

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

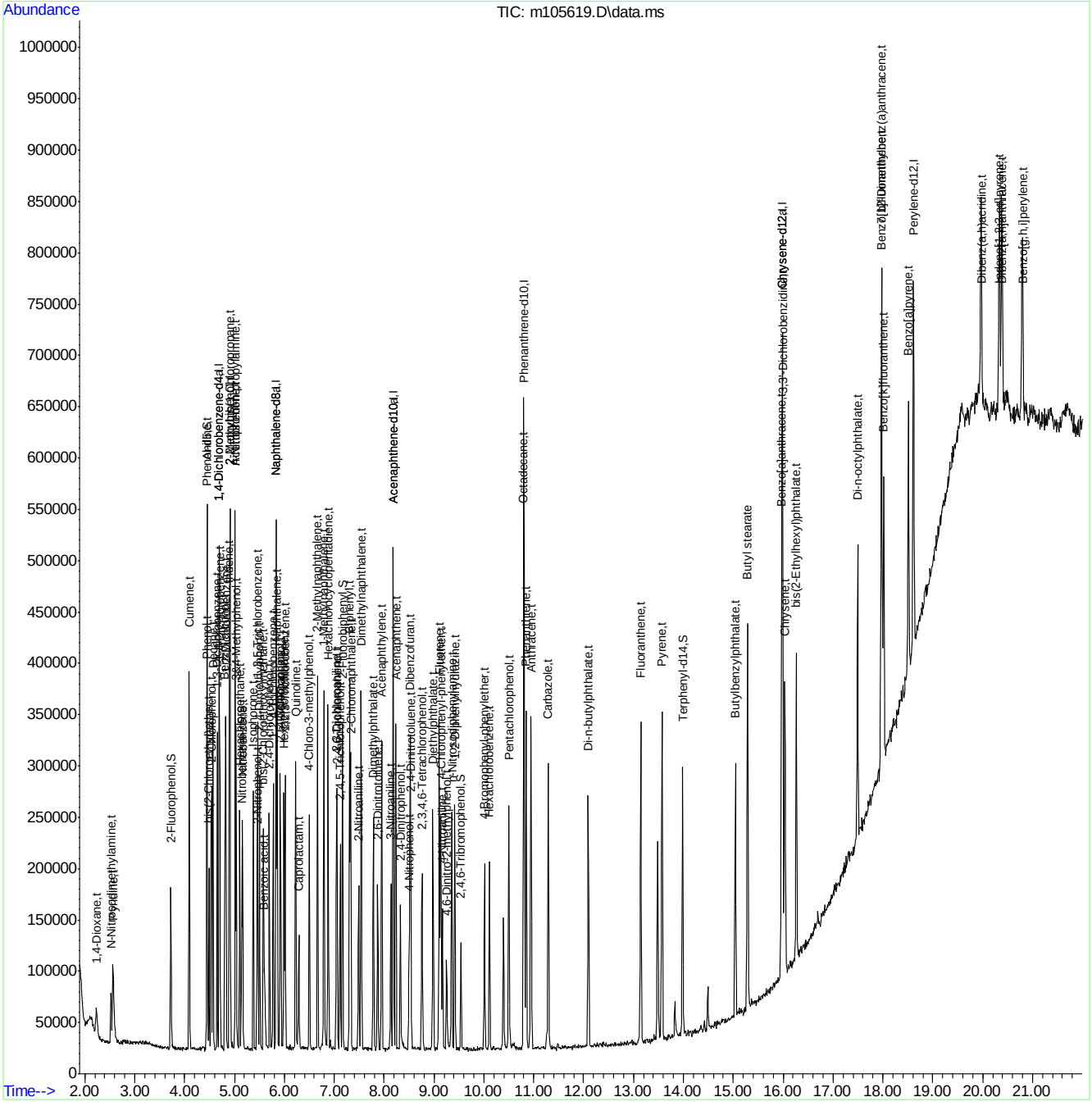
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105619.D
Acq On : 26 Jun 2014 10:10 pm
Operator : ashleyd
Sample : cc4300-25
Misc : op73826,em4324
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:46:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105620.D
Acq On : 26 Jun 2014 10:39 pm
Operator : ashleyd
Sample : cc4301-25
Misc : op73826,em4324
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 08:48:25 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration

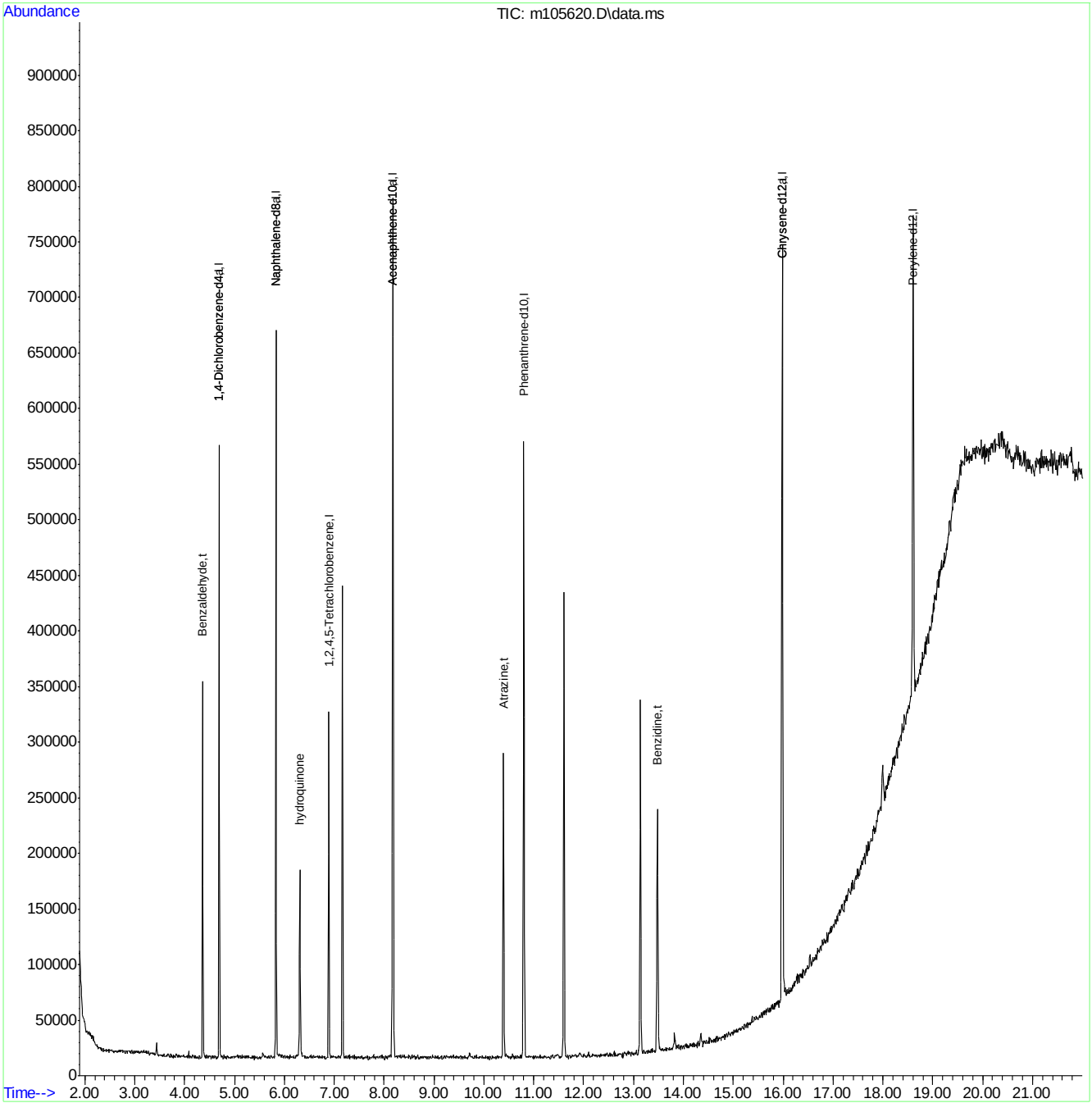
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.693	152	72092	40.00	ppb	0.00
24) Naphthalene-d8	5.831	136	274655	40.00	ppb	0.00
47) Acenaphthene-d10	8.176	164	166123	40.00	ppb	0.00
69) Phenanthrene-d10	10.799	188	293608	40.00	ppb	0.00
83) Chrysene-d12	15.976	240	260736	40.00	ppb	-0.01
92) Perylene-d12	18.604	264	221707	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.693	152	72092	40.00	ppb	0.00
104) Acenaphthene-d10a	8.176	164	166123	40.00	ppb	0.00
107) Chrysene-d12a	15.976	240	260736	40.00	ppb	-0.01
109) Naphthalene-d8a	5.831	136	274655	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	4.362	105	57543	29.12	ppb	93
105) 1,2,4,5-Tetrachloroben...	6.889	216	61357	24.34	ppb	96
106) Atrazine	10.393	215	24364	30.09	ppb	91
108) Benzidine	13.481	184	126084	32.01	ppb	98
110) hydroquinone	6.312	110	79901	28.64	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4324\
Data File : m105620.D
Acq On : 26 Jun 2014 10:39 pm
Operator : ashleyd
Sample : cc4301-25
Misc : op73826,em4324
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 08:48:25 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 27 08:45:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105671.D
Acq On : 27 Jun 2014 3:45 pm
Operator : saumilp
Sample : CC4300-50
Misc : op73826,em4326
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 15:48:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.790	152	106629	40.00	ppb	0.00
24) Naphthalene-d8	5.955	136	407141	40.00	ppb	0.00
47) Acenaphthene-d10	8.332	164	252205	40.00	ppb	0.00
69) Phenanthrene-d10	10.966	188	414821	40.00	ppb	0.00
83) Chrysene-d12	16.142	240	383653	40.00	ppb	0.00
92) Perylene-d12	18.765	264	326309	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.790	152	106629	40.00	ppb	0.00
104) Acenaphthene-d10a	8.332	164	252205	40.00	ppb	0.00
107) Chrysene-d12a	16.142	240	383653	40.00	ppb	0.00
109) Naphthalene-d8a	5.955	136	407141	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.818	112	180638	47.54	ppb	0.00
Spiked Amount 50.000			Recovery = 95.08%			
8) Phenol-d5	4.534	99	234145	47.30	ppb	0.00
Spiked Amount 50.000			Recovery = 94.60%			
25) Nitrobenzene-d5	5.255	82	196788	46.63	ppb	0.00
Spiked Amount 50.000			Recovery = 93.26%			
51) 2-Fluorobiphenyl	7.307	172	391865	44.81	ppb	0.00
Spiked Amount 50.000			Recovery = 89.62%			
73) 2,4,6-Tribromophenol	9.694	330	42893	46.98	ppb	0.00
Spiked Amount 50.000			Recovery = 93.96%			
86) Terphenyl-d14	14.139	244	397398	46.22	ppb	0.00
Spiked Amount 50.000			Recovery = 92.44%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.349	88	84013	43.71	ppb	95
3) Pyridine	2.675	79	221662	46.50	ppb	97
4) N-Nitrosodimethylamine	2.638	42	76525	44.39	ppb	94
6) Indene	4.999	116	322696	45.89	ppb	99
7) Cumene	4.187	105	472366	46.91	ppb	99
9) Phenol	4.545	94	265549	47.42	ppb	63
10) Aniline	4.539	93	295422	45.41	ppb	53
11) bis(2-Chloroethyl)ether	4.582	93	185618	47.94	ppb	99
12) 2-Chlorophenol	4.641	128	190212	45.47	ppb	99
13) Decane	4.662	43	148890	47.74	ppb	93
14) 1,3-Dichlorobenzene	4.748	146	203431	46.62	ppb	99
15) 1,4-Dichlorobenzene	4.806	146	208537	45.97	ppb	98
16) Benzyl alcohol	4.908	108	134570	47.32	ppb	92
17) 1,2-Dichlorobenzene	4.929	146	195298	46.46	ppb	98
18) Acetophenone	5.122	105	266391	45.12	ppb	95
19) 2-Methylphenol	5.009	108	179626	48.03	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.009	121	58229	47.32	ppb	93
21) 3&4-Methylphenol	5.132	108	196809	49.47	ppb	89
22) n-Nitroso-di-n-propyla...	5.122	70	136193	47.50	ppb	93
23) Hexachloroethane	5.218	201	73048	47.28	ppb	96
26) Nitrobenzene	5.271	77	210968	44.35	ppb	98
27) Quinoline	6.356	129	372960	43.35	ppb	99
28) Isophorone	5.485	82	366752	44.65	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105671.D
Acq On : 27 Jun 2014 3:45 pm
Operator : saumilp
Sample : CC4300-50
Misc : op73826,em4326
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 15:48:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.570	139	104410	48.60	ppb	85
30) 2,4-Dimethylphenol	5.613	107	182245	42.72	ppb	96
31) Benzoic acid	5.731	105	153756	54.62	ppb	94
32) bis(2-Chloroethoxy)met...	5.693	93	210061	44.93	ppb	99
33) 2,4-Dichlorophenol	5.816	162	153177	47.75	ppb	96
34) 2,6-Dichlorophenol	6.051	162	148943	45.94	ppb	97
35) 1,3,5-Trichlorobenzene	5.581	180	177716	44.10	ppb	98
36) 1,2,4-Trichlorobenzene	5.896	180	169141	44.62	ppb	96
37) 1,2,3-Trichlorobenzene	6.137	180	169383	44.05	ppb	96
38) Naphthalene	5.976	128	542466	43.33	ppb	99
39) 4-Chloroaniline	6.035	127	231264	42.22	ppb	96
40) 2,3-Dichloroaniline	7.184	161	185043	44.45	ppb	98
41) Caprolactam	6.441	55	74682	44.72	ppb	98
42) Hexachlorobutadiene	6.115	225	90920	41.77	ppb	98
43) 4-Chloro-3-methylphenol	6.628	107	167388	45.00	ppb	98
44) 2-Methylnaphthalene	6.799	141	300799	43.58	ppb	96
45) 1-Methylnaphthalene	6.927	142	349524	44.05	ppb	97
46) Dimethylnaphthalene	7.681	156	326640	45.63	ppb	99
48) Hexachlorocyclopentadiene	7.018	237	193602	90.25	ppb	100
49) 2,4,6-Trichlorophenol	7.194	196	113491	46.41	ppb	99
50) 2,4,5-Trichlorophenol	7.253	196	123922	46.76	ppb	97
52) 2-Chloronaphthalene	7.472	162	347480	42.33	ppb	98
53) Biphenyl	7.451	154	445200	43.12	ppb	97
54) 2-Nitroaniline	7.632	65	104937	46.76	ppb	96
55) Dimethylphthalate	7.932	163	380783	43.81	ppb	99
56) Acenaphthylene	8.097	152	554464	44.18	ppb	99
57) 2,6-Dinitrotoluene	8.017	165	92214	49.15	ppb	96
58) 3-Nitroaniline	8.284	138	102249	46.36	ppb	90
59) Acenaphthene	8.386	153	332676	42.74	ppb	96
60) 2,4-Dinitrophenol	8.460	184	107258	93.76	ppb	87
61) 4-Nitrophenol	8.637	109	52426	44.49	ppb	88
62) Dibenzofuran	8.674	168	481344	42.10	ppb	90
63) 2,4-Dinitrotoluene	8.679	165	123480	48.11	ppb	83
64) 2,3,4,6-Tetrachlorophenol	8.904	232	89998	44.41	ppb	97
65) Diethylphthalate	9.134	149	367139	43.40	ppb	98
66) Fluorene	9.262	166	392729	44.20	ppb	100
67) 4-Chlorophenyl-phenyle...	9.288	204	188807	43.80	ppb	98
68) 4-Nitroaniline	9.331	138	104044	45.63	ppb	91
70) 4,6-Dinitro-2-methylph...	9.390	198	75220	50.27	ppb	92
71) n-Nitrosodiphenylamine	9.508	169	264919	46.54	ppb	96
72) 1,2-Diphenylhydrazine	9.572	77	410736	44.61	ppb	98
74) 4-Bromophenyl-phenylether	10.170	248	94646	43.97	ppb	96
75) Hexachlorobenzene	10.261	284	95737	40.69	ppb	97
76) Pentachlorophenol	10.651	266	116433	81.38	ppb	98
77) Phenanthrene	11.009	178	564142	44.78	ppb	99
78) Anthracene	11.105	178	581242	46.38	ppb	99
79) Carbazole	11.452	167	542413	45.59	ppb	99
80) Di-n-butylphthalate	12.248	149	633697	48.22	ppb	100
81) Fluoranthene	13.306	202	611447	45.96	ppb	99
82) Octadecane	10.945	57	213715	51.07	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105671.D
Acq On : 27 Jun 2014 3:45 pm
Operator : saumilp
Sample : CC4300-50
Misc : op73826,em4326
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 15:48:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	13.733	202	640513	48.39	ppb	99
85) Butyl stearate	15.432	56	221111	84.87	ppb	96
87) Butylbenzylphthalate	15.197	149	280883	52.57	ppb	98
88) Benzo[a]anthracene	16.126	228	548152	46.02	ppb	99
89) 3,3'-Dichlorobenzidine	16.153	252	194211	48.96	ppb	97
90) Chrysene	16.196	228	515803	45.62	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.410	149	398786	55.82	ppb	97
93) Di-n-octylphthalate	17.638	149	686510	51.36	ppb	98
94) Benzo[b]fluoranthene	18.124	252	495099	42.78	ppb	95
95) Benzo[k]fluoranthene	18.178	252	489783	42.86	ppb	98
96) Benzo[a]pyrene	18.664	252	453929	44.79	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.523	276	390409	43.08	ppb	96
98) Dibenz(a,h)acridine	20.138	279	363960	44.32	ppb	94
99) Dibenz[a,h]anthracene	20.571	278	406652	42.83	ppb	96
100) 7,12-Dimethylbenz(a)an...	18.135	256	249825	47.49	ppb	98
101) Benzo[g,h,i]perylene	20.998	276	389645	42.55	ppb	97

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

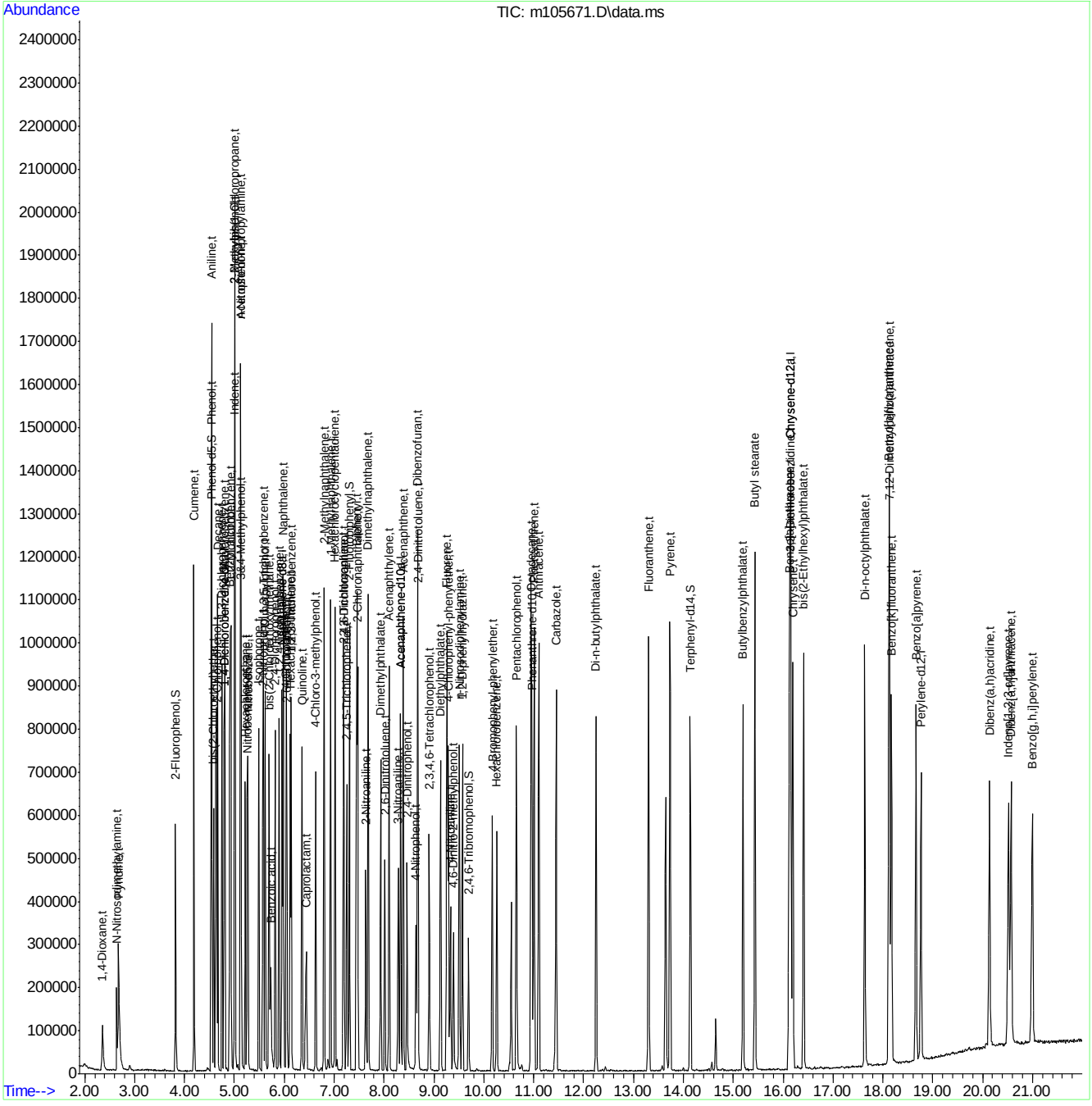
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105671.D
Acq On : 27 Jun 2014 3:45 pm
Operator : saumilp
Sample : CC4300-50
Misc : op73826,em4326
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 15:48:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105672.D
Acq On : 27 Jun 2014 4:14 pm
Operator : saumilp
Sample : CC4301-50
Misc : op73826,em4326
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 15:49:18 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.791	152	100093	40.00	ppb	0.00
24) Naphthalene-d8	5.951	136	373001	40.00	ppb	0.00
47) Acenaphthene-d10	8.328	164	222506	40.00	ppb	0.00
69) Phenanthrene-d10	10.962	188	387677	40.00	ppb	0.00
83) Chrysene-d12	16.138	240	363105	40.00	ppb	0.00
92) Perylene-d12	18.761	264	297514	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.791	152	100093	40.00	ppb	0.00
104) Acenaphthene-d10a	8.328	164	222506	40.00	ppb	0.00
107) Chrysene-d12a	16.138	240	363105	40.00	ppb	0.00
109) Naphthalene-d8a	5.951	136	373001	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	4.455	105	150612	54.90	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.024	216	156559	46.36	ppb	99
106) Atrazine	10.550	215	57811	53.31	ppb	97
108) Benzidine	13.643	184	328129	59.82	ppb	99
110) hydroquinone	6.431	110	196169	51.78	ppb	98

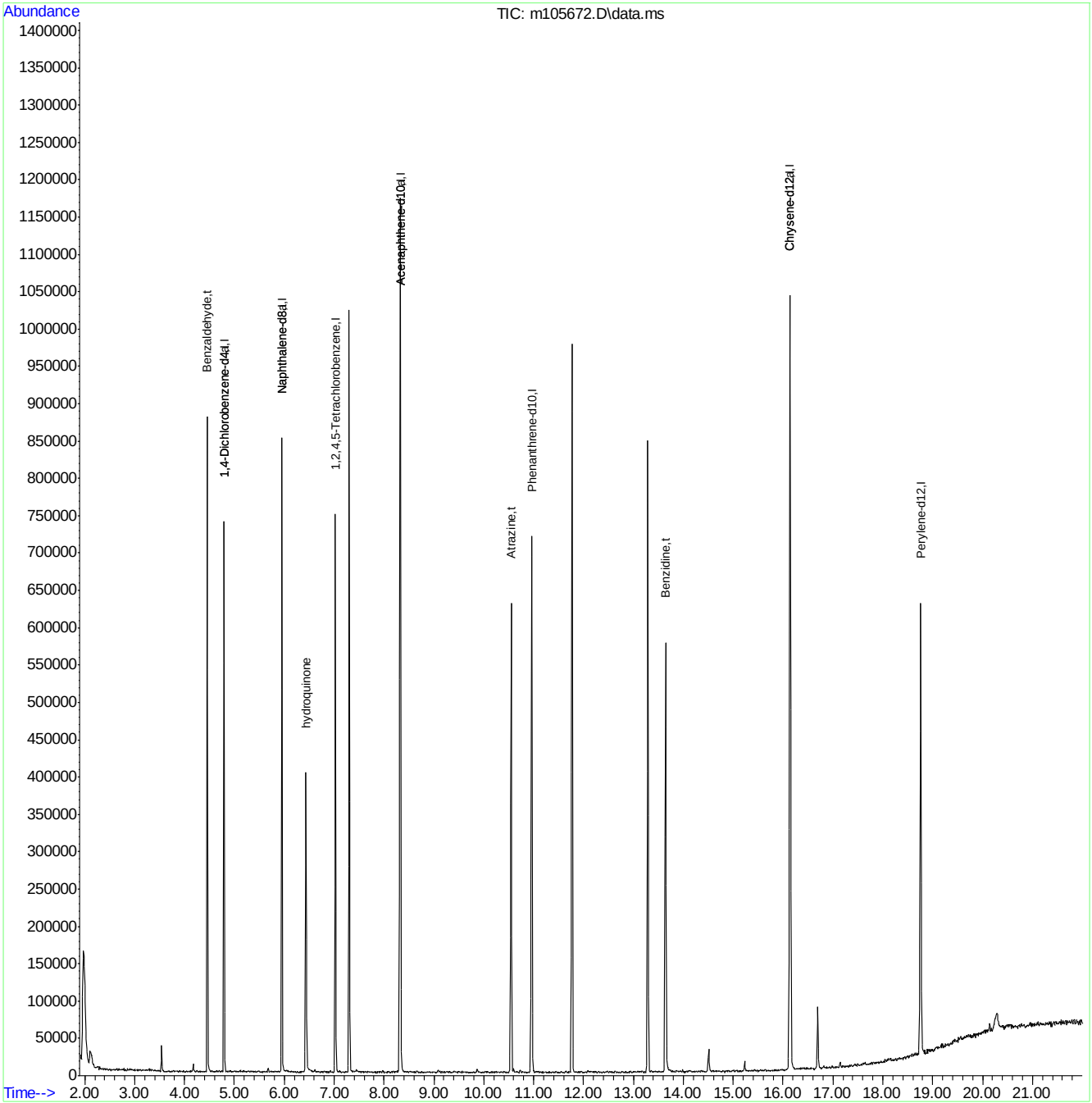
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4326\
Data File : m105672.D
Acq On : 27 Jun 2014 4:14 pm
Operator : saumilp
Sample : CC4301-50
Misc : op73826,em4326
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 15:49:18 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 15:47:32 2014
Response via : Initial Calibration



MM4300.M Sat Jun 28 15:50:03 2014 MSM Page: 2

ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105697.D
Acq On : 28 Jun 2014 2:09 pm
Operator : andrews1
Sample : cc4300-25
Misc : op73826,em4327
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 18:01:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.789	152	121927	40.00	ppb		0.00
24) Naphthalene-d8	5.948	136	456351	40.00	ppb		0.00
47) Acenaphthene-d10	8.320	164	282251	40.00	ppb		0.00
69) Phenanthrene-d10	10.953	188	478119	40.00	ppb		0.00
83) Chrysene-d12	16.135	240	450800	40.00	ppb		0.00
92) Perylene-d12	18.758	264	399681	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.789	152	121927	40.00	ppb		0.00
104) Acenaphthene-d10a	8.320	164	282251	40.00	ppb		0.00
107) Chrysene-d12a	16.135	240	450800	40.00	ppb		0.00
109) Naphthalene-d8a	5.948	136	456351	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.811	112	105164	24.20	ppb		0.00
Spiked Amount 50.000			Recovery = 48.40%				
8) Phenol-d5	4.527	99	142494	25.18	ppb		0.00
Spiked Amount 50.000			Recovery = 50.36%				
25) Nitrobenzene-d5	5.248	82	121688	25.73	ppb		0.00
Spiked Amount 50.000			Recovery = 51.46%				
51) 2-Fluorobiphenyl	7.294	172	234763	23.99	ppb		0.00
Spiked Amount 50.000			Recovery = 47.98%				
73) 2,4,6-Tribromophenol	9.682	330	27066	25.72	ppb		0.00
Spiked Amount 50.000			Recovery = 51.44%				
86) Terphenyl-d14	14.132	244	248146	24.56	ppb		0.00
Spiked Amount 50.000			Recovery = 49.12%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.347	88	50203	22.84	ppb		94
3) Pyridine	2.668	79	134053	24.59	ppb		99
4) N-Nitrosodimethylamine	2.636	42	49210	24.96	ppb		100
6) Indene	4.997	116	196342	24.42	ppb		98
7) Cumene	4.185	105	281514	24.45	ppb		99
9) Phenol	4.537	94	163484	25.53	ppb	#	50
10) Aniline	4.537	93	181791	24.44	ppb		51
11) bis(2-Chloroethyl)ether	4.580	93	109745	24.79	ppb		97
12) 2-Chlorophenol	4.634	128	115077	24.06	ppb		98
13) Decane	4.660	43	90527	25.38	ppb		92
14) 1,3-Dichlorobenzene	4.746	146	123163	24.68	ppb		97
15) 1,4-Dichlorobenzene	4.799	146	125744	24.24	ppb		97
16) Benzyl alcohol	4.901	108	80065	24.62	ppb		95
17) 1,2-Dichlorobenzene	4.927	146	115977	24.13	ppb		99
18) Acetophenone	5.114	105	163196	24.17	ppb		94
19) 2-Methylphenol	5.002	108	108381	25.34	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.002	121	35146	24.98	ppb		86
21) 3&4-Methylphenol	5.130	108	117684	25.87	ppb	#	79
22) n-Nitroso-di-n-propyla...	5.114	70	84253	25.70	ppb		96
23) Hexachloroethane	5.211	201	43931	24.86	ppb		97
26) Nitrobenzene	5.264	77	132699	24.89	ppb		99
27) Quinoline	6.343	129	225409	23.37	ppb		98
28) Isophorone	5.478	82	223770	24.31	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105697.D
Acq On : 28 Jun 2014 2:09 pm
Operator : andrews1
Sample : cc4300-25
Misc : op73826,em4327
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 18:01:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.558	139	61496	25.54	ppb	97
30) 2,4-Dimethylphenol	5.606	107	112425	23.51	ppb	97
31) Benzoic acid	5.707	105	82938	26.29	ppb	86
32) bis(2-Chloroethoxy)met...	5.686	93	127328	24.30	ppb	99
33) 2,4-Dichlorophenol	5.809	162	92874	25.83	ppb	97
34) 2,6-Dichlorophenol	6.044	162	91692	25.23	ppb	96
35) 1,3,5-Trichlorobenzene	5.574	180	107276	23.75	ppb	96
36) 1,2,4-Trichlorobenzene	5.889	180	104008	24.48	ppb	99
37) 1,2,3-Trichlorobenzene	6.129	180	102281	23.73	ppb	98
38) Naphthalene	5.969	128	332394	23.69	ppb	99
39) 4-Chloroaniline	6.028	127	143688	23.40	ppb	97
40) 2,3-Dichloroaniline	7.171	161	111256	23.84	ppb	97
41) Caprolactam	6.413	55	46365	24.77	ppb	97
42) Hexachlorobutadiene	6.108	225	54157	22.20	ppb	95
43) 4-Chloro-3-methylphenol	6.616	107	105768	25.37	ppb	98
44) 2-Methylnaphthalene	6.787	141	183925	23.77	ppb	99
45) 1-Methylnaphthalene	6.920	142	210717	23.69	ppb	98
46) Dimethylnaphthalene	7.673	156	196206	24.46	ppb	99
48) Hexachlorocyclopentadiene	7.011	237	113916	47.45	ppb	97
49) 2,4,6-Trichlorophenol	7.187	196	68503	25.03	ppb	98
50) 2,4,5-Trichlorophenol	7.241	196	75833	25.57	ppb	96
52) 2-Chloronaphthalene	7.460	162	208204	22.67	ppb	99
53) Biphenyl	7.438	154	270578	23.42	ppb	99
54) 2-Nitroaniline	7.625	65	65531	26.09	ppb	90
55) Dimethylphthalate	7.919	163	234497	24.11	ppb	99
56) Acenaphthylene	8.090	152	338102	24.07	ppb	99
57) 2,6-Dinitrotoluene	8.005	165	55386	26.38	ppb	94
58) 3-Nitroaniline	8.272	138	62533	25.33	ppb	95
59) Acenaphthene	8.373	153	202817	23.28	ppb	96
60) 2,4-Dinitrophenol	8.448	184	56342	49.36	ppb	90
61) 4-Nitrophenol	8.624	109	30939	23.46	ppb	79
62) Dibenzofuran	8.662	168	295757	23.11	ppb	90
63) 2,4-Dinitrotoluene	8.667	165	76204	26.53	ppb	86
64) 2,3,4,6-Tetrachlorophenol	8.897	232	54857	24.19	ppb	94
65) Diethylphthalate	9.121	149	425933	44.99	ppb	99
66) Fluorene	9.249	166	237875	23.92	ppb	98
67) 4-Chlorophenyl-phenyle...	9.281	204	116214	24.09	ppb	99
68) 4-Nitroaniline	9.319	138	62506	24.49	ppb	90
70) 4,6-Dinitro-2-methylph...	9.383	198	42659	24.74	ppb	97
71) n-Nitrosodiphenylamine	9.495	169	160988	24.54	ppb	98
72) 1,2-Diphenylhydrazine	9.559	77	257113	24.23	ppb	99
74) 4-Bromophenyl-phenylether	10.157	248	56903	22.93	ppb	94
75) Hexachlorobenzene	10.248	284	59096	21.79	ppb	96
76) Pentachlorophenol	10.644	266	69566	42.19	ppb	94
77) Phenanthrene	10.996	178	351269	24.19	ppb	99
78) Anthracene	11.092	178	365271	25.29	ppb	100
79) Carbazole	11.440	167	340485	24.83	ppb	98
80) Di-n-butylphthalate	12.241	149	399909	26.40	ppb	100
81) Fluoranthene	13.293	202	377536	24.62	ppb	99
82) Octadecane	10.937	57	131560	27.27	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105697.D
Acq On : 28 Jun 2014 2:09 pm
Operator : andrews1
Sample : cc4300-25
Misc : op73826,em4327
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 18:01:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	13.721	202	403786	25.96	ppb	98
85) Butyl stearate	15.425	56	139242	45.48	ppb	98
87) Butylbenzylphthalate	15.184	149	181733	28.95	ppb	98
88) Benzo[a]anthracene	16.114	228	347593	24.84	ppb	98
89) 3,3'-Dichlorobenzidine	16.141	252	122949	26.38	ppb	99
90) Chrysene	16.183	228	330890	24.91	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.402	149	255995	30.50	ppb	96
93) Di-n-octylphthalate	17.631	149	441347	28.95	ppb	100
94) Benzo[b]fluoranthene	18.112	252	331226	23.37	ppb	97
95) Benzo[k]fluoranthene	18.165	252	312620	22.33	ppb	96
96) Benzo[a]pyrene	18.657	252	297535	23.97	ppb	98
97) Indeno[1,2,3-cd]pyrene	20.510	276	254303	22.91	ppb	96
98) Dibenz(a,h)acridine	20.131	279	241262	23.99	ppb	97
99) Dibenz[a,h]anthracene	20.559	278	267589	23.01	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.123	256	158754	24.64	ppb	97
101) Benzo[g,h,i]perylene	20.981	276	258116	23.01	ppb	95

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

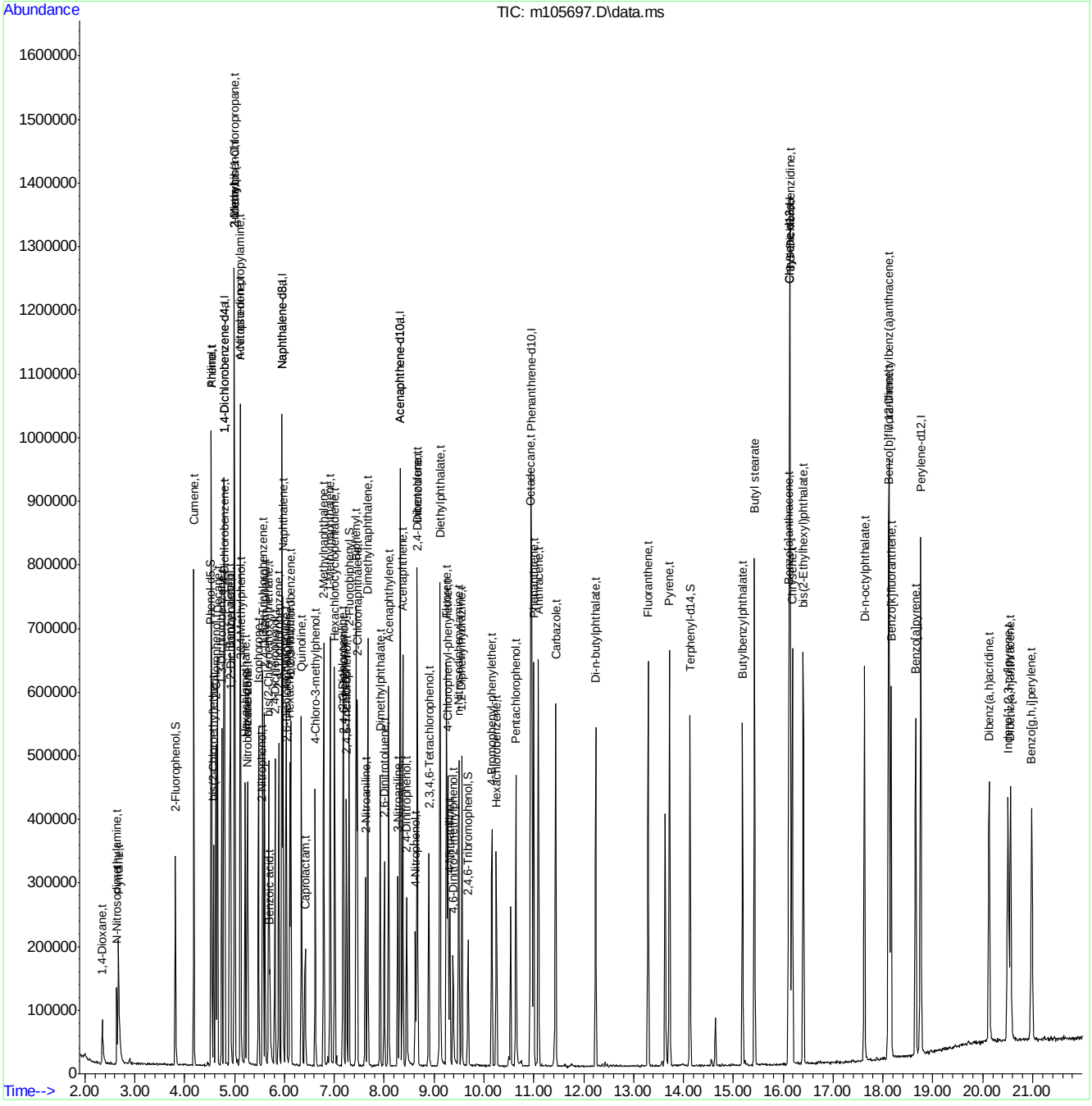
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105697.D
Acq On : 28 Jun 2014 2:09 pm
Operator : andrews1
Sample : cc4300-25
Misc : op73826,em4327
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 18:01:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69534

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105698.D
Acq On : 28 Jun 2014 2:38 pm
Operator : andrews1
Sample : cc4301-25
Misc : op73826,em4327
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 18:03:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration

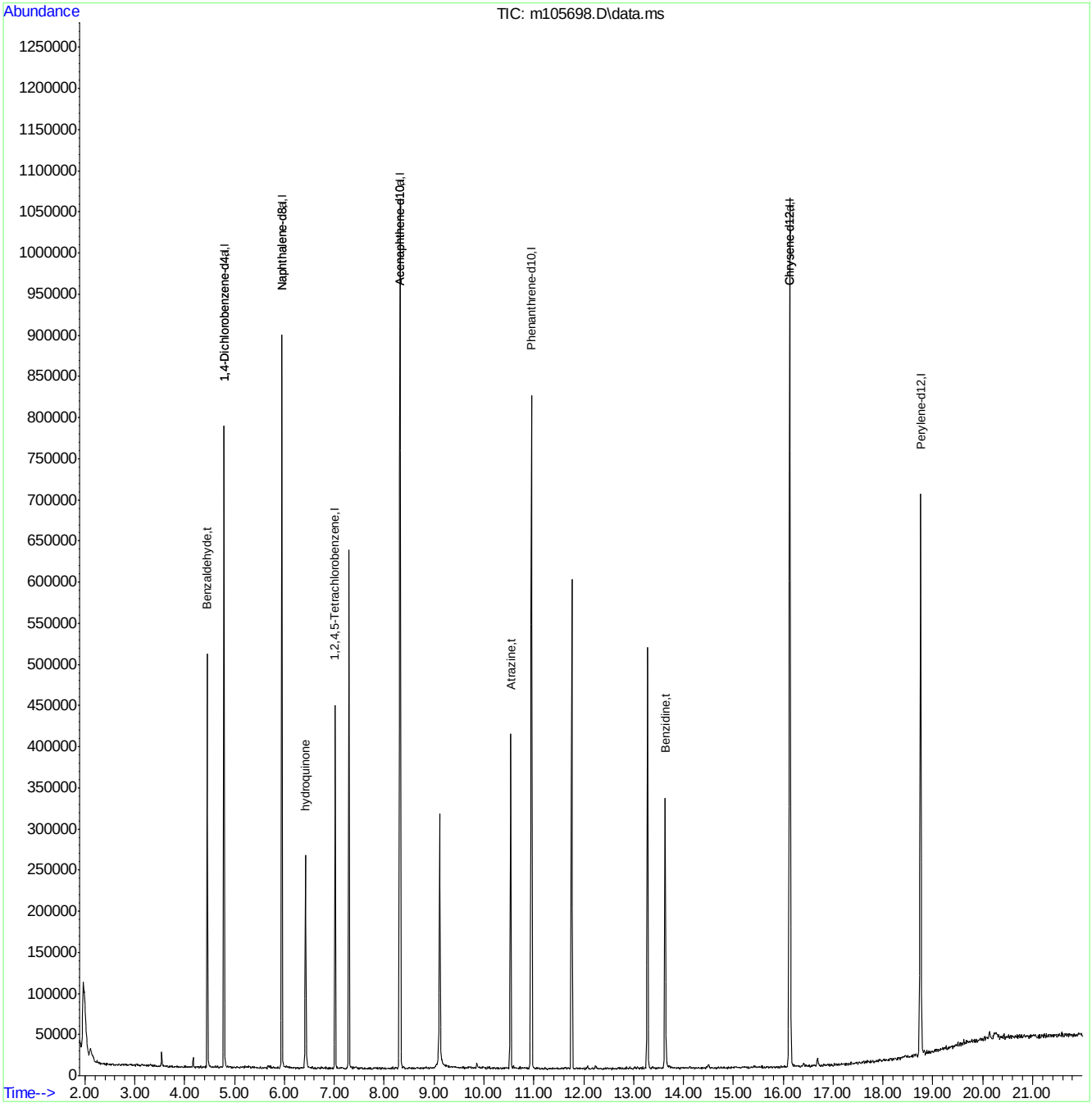
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.789	152	111677	40.00	ppb	0.00
24) Naphthalene-d8	5.948	136	409595	40.00	ppb	0.00
47) Acenaphthene-d10	8.320	164	242409	40.00	ppb	0.00
69) Phenanthrene-d10	10.953	188	432532	40.00	ppb	0.00
83) Chrysene-d12	16.130	240	419250	40.00	ppb	0.00
92) Perylene-d12	18.758	264	356796	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.789	152	111677	40.00	ppb	0.00
104) Acenaphthene-d10a	8.320	164	242409	40.00	ppb	0.00
107) Chrysene-d12a	16.130	240	419250	40.00	ppb	0.00
109) Naphthalene-d8a	5.948	136	409595	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.452	105	88547	28.93	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.016	216	92439	25.13	ppb	97
106) Atrazine	10.537	215	33204	28.11	ppb	88
108) Benzidine	13.635	184	191036	30.17	ppb	99
110) hydroquinone	6.423	110	114644	27.56	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4327\
Data File : m105698.D
Acq On : 28 Jun 2014 2:38 pm
Operator : andrews1
Sample : cc4301-25
Misc : op73826,em4327
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 18:03:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Sat Jun 28 18:00:20 2014
Response via : Initial Calibration



ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2646

Date: 6-4-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.
SU149362	116 BUA	50
	↓ ↓	25
		10
CN2933	IS	40
DK5A	Decafluorobiphenyl	—

Standard Data

Lot #	Description	Conc.
SU149362	119 DFTPP	50
	116 BUA	100
		80
	↓ ↓	50
		25
		10

Columns: RTX-5MS 30m x0.25m

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AJ Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61393	DFTPP			W	1					OK	5:31 pm
	61394	IC2646-100		BUA		2					OK	
	61395	IC2646-80				3					OK	
	61396	IC2646-50				4					OK	
	61397	IC2646-25				5					OK	
	61398	IC2646-10				6					OK	
	61399	IC2646-5				7					OK	
	61400	IC2646-2				8					OK	
	61401	IC2646-1				9					OK	

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

93

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.1

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2647

Date: 6-4-14

Analyst Signature: QA

Standard Data

Lot #	Description	Conc.
SV141362	136 ABN TC42	50/5
	↓ ↓	20/5
		1/5
CN2933	IS	40/5
SV1387	Surr Lev	—

Standard Data

Lot #	Description	Conc.
SV141362	119 DFTPP	50/5
	136 ABN TC42	100/5
		80/5
		50/5
		25/5
		10/5

Columns: RTX-5ms 30m x 0.25mm ID

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: A Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61402	DFTPP			W	1					OK	9:24 PM
	61403	IC2647-100		TC42		10					OK	
	61404	IC2647-80				11					OK	
	61405	IC2647-50				12					OK	
	61406	IC2647-25				13					OK	
	61407	IC2647-10				14					OK	
	61408	IC2647-5				15					OK	
	61409	IC2647-2				16					OK	
	61410	IC2647-1				17					OK	
	61411	ICV2646-50		acids		18					RR	#31,60↓ OP141177-88
	61412	ICV2646-50		BN1		19					OK	-17
	61413	ICV2646-50		BN2		20					RR	#40,41↓ -57
	61414	ICV2646-50		ABN Surr		21					OK	-33
	61415	ICV2646-50		anilines		22					OK	-61
	61416	ICV2646-50		benzdn		23					OK	SV141362-72B
	6417	ICV2647-50		HQ		24					OK	OP141130-191

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

95

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2648

Date: 6-5-14

Analyst Signature: OA

Columns: RTX-5MS 30m x 0.25mm x 0.25

Method 8270/625

Initial Cal. Method 11 3E 2646

Injection Volume: 1 µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU14362-119	DFTPP	SDG
CLL2933	IS	40ng/µl
CLL947	Calib Mix	—

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS

Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61418	DFTPP			W	1					UG	pcp↑, reinstall
	61419	DFTPP				1					failed	68↑, reinject
	61420	DFTPP				1					OK	12:24 pm
	61421	ICV2646-50		acids		2					OK	OP14177-88
	61422	ICV2646-50		BN2		3					OK	-63

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

97

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.3 9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2669

Date: 6-19-14

Analyst Signature: QA

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV14-1362-119	DFTPP	50ppm
-110	BFB	25ppm
SV14-1419-5	TCL42	25ppm
DK774	DCBP, Lew	—
DE2933	±5	4000µg

Columns: RTX-5MS 30m X0.25mmX0.

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/23/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	E3E62284	DFTPP			W	1					ok	11:26 ok
	62285	CC2696-25				2					ok	1,4-dioxane #93 PYR, nonanal, HCCP
	62286	CC2697-25		TCL42		3					ok	benzidine ↓
	62287	BFB ver-1ppm				4					ok	SV14-1419-14
	62288	OP75766-MB1	75766-1	ABN	S	5		+	/	/	ok	
	62289	-BS1				6			/	/	ok	
	62290	OP75676-MB1	75676-1	ABN	W	7		+	/	/	ok	batch was sent to RX → BS failed
	62291	-BS1				8			/	/	ok	↓
R	62292	JB69157-2	75640-1	PAH+O	S	9			S ↓	/	not req'd	VF=5ml report from
R	62293	JB69306-1	75635-1	ABN+CL20		10	4		2-6 ↓	/	↓	E3E2668 req
	62294	JB69032-1	75676-1	ABN+TCL	W	11			/	/	ok	
	62295	JB69360-20		ABN+CL20		12		x	/	/	ok	
R	62296	JB69432-2	75684-1	PAH		13	10		4-6 ↓	/	ok/M	VF=5ml
	62297	JB68685-8	75676-1	PAH	W	14			/	/	ok	
	62298	-L2				15			4.5 ↓	/	ok	M for IS 1:2
R	62299	JB68753-4RE	75684-1	PAH	S	16	20		6.7 ↓	/	M	RR for Int-Std
	62300	JB69597-7A	75766-1	PAH		17			4.5 ↓	/	ok	M 1:2 for IS

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.4 9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2669

Date: 6-19-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
same	as page #	177

Columns: MX-RTX 30m x0.25mm x0.25

Method 8270/625

Initial Cal. Method 2013E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/23/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E62301	JB69597-8A	75766-1	PAH	S	18			5.5	✓	OK	MA 1:2 for IS
	62302	-11A				19			4.5	✓	OK	MA 1:2 for IS
	62303	OP75676-MS	75676-1	ABN	W	20			4.36	✓	OK	
	62304	-MSD				21			1.46	✓	OK	
	62305	JB69131-1		ABN/TCMP		22			✓	✓	OK	MA 1:10, 1:100
	62306	JB69061-1	75684	ABNPL+	S	23			4.6	✓	OK	MA 1:10 for bis2E
	62307	OP75684-MS				24			3.6	✓	OK	11:19 µl
	62308	OP75727-MS	75729-1	ABN	W	25			5	✓	MA	CTO raw after 3E62301
	62309	JB69141-2		ABNTCMP		26			5	✓	MA	IS low
	62310	JB69141-2		ABNTCMP		26			✓	✓	OK	raw after 3E62295

[illegible]

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

179

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.4

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2680

Date: 6/26/14

Analyst Signature: AMD

Columns: RTX5MS 30m x 25mm x .25µm

Method 8270/625

Initial Cal. Method M3E2684(80) AMD 6/26/14

Injection Volume: µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413219	DFTPP	50ppm
IC2933	Internal Std.	1000ppm
DF779	DCM(HW)	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6/26/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E2566	DFTPP				1					not using	
	67	DFTPP				1						
	68	DFTPP				1						
	69	DFTPP				1						
	70	CC264625		BNA	W	2					↓	CC no good target tune rec
	71	DFTPP				1					all	7:46 pm
	72	IC2680-1.0		BNA	W	2					all	SV1413219.D
	73	-2.0				3					all	SV1413219.D
	74	-5.0				4					all	SV1413219.D
	75	-10				5					all	SV1413219.D
	76	-80				6					all	SV1413219.D
	77	-100				7					all	SV1413219.D
	78	IC2680-50				8					all	SV1413219.D
	79	IC2680-25				9					all	SV1413219.D

6/27/14

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

19

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.5

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2681

Date: 6/27/14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
~~SH1436219~~	~~DFTPP~~	~~50ppm~~
~~CL2933~~	~~Int-Std.~~	~~40ppm~~
~~DK774~~	~~Dem (Hi)~~	~~—~~

Columns: 7TX-5MS; 30m x .25mm x .25um

Method 8270 / 625

Initial Cal. Method M3E2680

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: Date: 6.27.14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E62580	DFTPP				1					Not run	Plunger error, RR
	62581	DFTPP				1					all	9.16.14
	82	ICV2650-50		Acid		2					ok	OP141147012
	83	-50		BN		3					Not run	OP141172118 Acenaphthylene
	84	-50		BNA		4					ok	OP141172110
	85	-50		Aniline		5					ok	OP141172111
	86	-50		ABN Surr		6					ok	OP141172117
	87	-50		Benzidine		7					ok	SV141419444
	3E62588	ICV2650-50		Std	W	8					ok	0914-102-118

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

21

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.6

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E 2682

Date: 6-27-14

Analyst Signature: AS

Columns: RTX-TMS 30m 25mm 0.25m

Method 8270/625

Initial Cal. Method MSE 2680

Injection Volume: 1ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surr 23	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 7-1-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	606	JB69687-13	75858	ABTCL20	W	17		+			OK	
	607	JB68718-7MS	75862	ABTCL20	S	18					OK	RR 1:10 for PAH 8270 only 6-30-14
	608	JB69466-1	75766	ABTCL20	S	19					OK	Reextract
	609	-2				20					OK	Reextract
	610	-3				21					OK	Reextract
	611	-4				22					OK	
	612	JB69534-1		ABTCL20	S	23					OK	
	613	OP75766-MS		ABN		24					OK	
	614	-MSD				25					OK	
	615	JB68901-1A	75554	DL for BZA ABN+BZA	W	26	2000				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.

25

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.7

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2682

Date: 6/21/14

Analyst Signature:

Standard Data

Lot #	Description	Conc.
		SV4-MASU

Standard Data

Lot #	Description	Conc.
SV4IS6216	DFTPP	50ppm
~~SV4IS6215~~	PAH	50ppm
SV4IS5	ICVR	50ppm
CC2533	BFB	40ug/ml
DV774	DCB/Nitrobenzene	

Columns: RTX-5MS 30M, 0.25MM, 0.25

Method: 8270/625

Initial Cal. Method: M3E2680

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: AS Date: 7-1-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	62589	DFTPP			W	1					PASSing	ion Ratios not passing-Reject
	62590	DFTPP			W	1					OK	
	62591	CC2647-BS			W	2					OK	
	62592	CC2647-BS			W	3					OK	
	62593	OP75858-BS1	75858	ABN	S	4	-		/	/	OK	
	62594	JB68864-1	75554-1	ABTCL20+	W	5		+	/	/	OK	
	95	JB69912-1	75858	ABTCL20+	W	6	20		/	/	OK	
	96	OP75859 918-MB1	75918	ABN	S	7			/	/	OK	
	97	-BS1				8				/	OK	
	98	OP75859-BS1	75859-1	ABN		9			/	/	OK	
	99	JB69061-1	75684			10	10		/		OK	
	600	JB69061-5				11					not needed	
	601	-5				12	20 50 100		/	/	OK	
	602	JB69559-1	75798	ABTCL20+		13		+	/	/	OK	
	603	OP75798-MSD				14			/	/	OK	
	604	JB69687-7	75858	ABTCL20+		15		+	/	/	OK	
	605	-11				16		+	/	/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

101 23

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.7

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2683

Date: 6-28-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1419219	DFTPP	50ng
SV1419 50	BUA	85ng
5	TCL42	↓
SK2985	IS.	400ng
6-28-14 HK 774	DCM	(HW)

Columns: RSX TMS 30m, .25mm, .25um

Method 8270/1625

Initial Cal. Method M3E 2680

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 7-1-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E626616	DFTPP			W	1					ok	1:53pm
	617	CC2680-25				2					ok	
	618	CC 2647 25				3					OK	
	619	HCCPD VER				4					ok	
	620	JB69624-14	75798	PD		5	500		\	X	OK	
	621	-15				6	5		\	\	OK	
	622	JB69666-5	[illegible]	BSL		7			\	\	ok	
	623	-6				8			\	\	OK	
	624	JB69163-3		PAH		9			\	\	OK	FLS
	625	JB69400-9		STAR		10			\	\	ok	
	626	JB68868-9	75858	Pavmo		11			\	\	OK	
	627	JB69534-2	75766	ABTC620	S	12			\	\	ok	
	628	-3				13			\	\	ok	
	629	-4				14			\	\	ok	
	630	-5				15			\	\	ok	
	631	-8				16			\	\	ok	
	632	-9				17			\	\	ok	

TTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

27

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.8

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2683

Date: 6-28-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surrg 27	

Columns: RTX-5ms 30m, 25m, 25m

Method 8270/625

Initial Cal. Method m3e26810 AUG/2014

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 7-1-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E626633	JB69565-10	75766	ABTCL20	S	18			/	/	OK	
	634	JB69565-3		ABTCL11		19			/	/	OK	
	635	-4				20			/	/	OK	
	636	-10				21			/	/	OK	
	637	-11				22			/	/	OK	
	638	-12				23			/	/	OK	ER 1.5 for BIS2E
	639	JB69716-6	75859	ABTCL20		24			/	/	OK	
	640	-7				25			/	/	OK	
	641	-8				26			/	/	OK	
	642	-4				27			/	/	OK	Rerun before 626 79

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.

29

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.8

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4300

Date: 6-12-13

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SU141419	23F BNA	5 PPM
SU141362	138A BNA	50 PPM
	138D BNA	80 PPM
CH2933	IS	4000PPM
DN547	PCM (HW)	-

Standard Data

Lot #	Description	Conc.
SU141362	119 DFTPP	50ppm
SU141419	23A BNA	100 ppm
	23B	80PPM
	23C	10PPM
	23D BNA	2PPM
	23E BNA	1PPM

Columns: RTxSMS30mx.25mmx.25um

Method 8270/625

Initial Cal. Method mm4300

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: DA

Date: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	m105034	DFTPP			W	1					~~Batch~~ not use	Building
	35	DFTPP				1					OK	9:52AM
	36	IC4300-100				2					OK	
	37	-1				3					OK	
	38	-80				4					OK	
	39	-50				5					OK	
	40	-25				6					OK	
	41	-10				7					OK	
	42	-5				8					OK	
	m1050 43	-2				9					OK	

[TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

175

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.9

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4301

Date: 6-12-13

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SU141362	136F TCL42	5PPM
	136G	2PPM
	136H	1 PPM
CK2933	IS	40000
DK597	Decaf kero	—

Standard Data

Lot #	Description	Conc.
SU141362	119 DFTPP	50PPM
	136A TCL42	100PPM
	136B	80 PPM
	137B	50 PPM
	137D	25 PPM
	136E	10PPM

Columns: RTX5MS30mx.25mmx.25µm

Method 8270/625

Initial Cal. Method mm4300

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: OA

Date: 6-13-13

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	m105044	DFTPP			W	1					no Data	
	45	DFTPP				1					OK	2:35 PM
	46	IC4301-100		TCL42		2					OK	
	47	-80				3					OK	
	48	-50				4					OK	
	49	-25				5					OK	
	50	-10				6					OK	
	51	-5				7					OK	
	52	-2				8					OK	
	53	-1				9					OK	
	54	IC4300-50		BH1		10					OK	OP141177I7
	55	-50		BH2		11					OK	OP141177I42
	56	-50		ABHSVR		12					OK	OP141177I33
	57	-50		Aniline		13					OK	OP141177I61
	58	-50		Acid		14					not using	OP141177I88 (Acid Failed 10VH #60)
	59	-50		Benzene		15					OK	SU141362428
	m105060	-50		HQ		16					OK	OP141180141

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

177

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.10

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4302

Date: 6-13-13

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU141362	DFTPP	50ppm
PR5147	DCM	HW
CH2933	IS	40000ppm

Columns: RTX5MS30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MM4300

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M105061	DFTPP			W	1					OK	8:56 AM
	62	ICV4300-50		Acid		2					not used	OP141177112, Retuned #162 Area 4%
	63	DFTPP				1					OK	9:39 AM
	64	ICV4300-50		Acid		2					OK	OP141177112

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.11

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4324

Date: 6/26/19

Analyst Signature: ALD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SMH362119	DFTPP	50ppm
SMH1941	BNA	25ppm
SMH1936	TCL2	25ppm
CK2933	Internal Std.	40000ppm
DK774	DCM(HW)	—

Columns: RTXSMS 30mx.25mmx.25µm

Method 8270/625

Initial Cal. Method MM4300

Injection Volume: 1µL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6-30-19

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	M105618	DFTPP				1					OK	9:57 PM
	619	CC4300-75		BNA	W	2						phthalates↑
	620	CC7301-25		TCL2	W	3						
	621	OP75872-mb1	75872-1	AB8270+	W	4			-	-	OK	
	622	-bs1				5			-	-	OK	
	623	-bs13				6			-	-	OK	
	624	OP75888-mb1	75888-1	AB8270+	W	7			3.4↑	-	OK	RP for CFE
	625	-bs1				8			-	-	OK	
	626	-bs13				9			-	-	OK	
	627	-ms				10			-	-	OK	
	628	-msd				11			-	-	OK	
	629	JB69922-1		ABNTCL+		12		+	-	-	OK	
	630	-2				13		+	-	-	OK	
	631	-3				14		+	-	-	OK	
	632	-4				15		+	-	-	OK	
	633	-5				16		+	-	-	OK	
	634	JB69970-1		ABNTCL+		17		+	-	-	OK	

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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Form: OR015-05
Rev. Date: 1/16/2006

9.7.12

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4324

Date: 6/26/14

Analyst Signature: AMP

Columns: RTX5MS 30m x 25mm x 25µm

Method 8270/625

Initial Cal. Method MM4300

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	8270 Mix 57	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ Date: 6-30-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Y105635	JB69912-2	75888	ABTCL20+	W	18		+	-	-	OK	
	636	JB68793-1		ABSV HQ		19			-	-	OK	Vf = 160mL
	637	JB69763-15	75872	ABTCL11+	W	20		+	-	-	OK	
	638	sp75872-ms		AB8270		21			All		RR	
	639	-msd				22			-	-	OK	
	640	JB69524-1		ABNSTCL20+		23		+	-	-	OK	
	641	JB69898-1		ABSV+ HQ		24			-	-	OK	Vf = 5mL
	642	JB69647-2	75797	ABTCLP	W	25			ST		not using	9:27 AM RR for CFT

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.12

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4326

Date: 6-27-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU141362	19 DFTPP	50PPM
SU141419	36A TCL42	50PPM
	41A BHA	50PPM
CH2933	IS	4000PPM
DH774	DCM (HM)	-

Columns: RTX5MS 30m x 25mm x 25UM

Method 8270/625

Initial Cal. Method MM4300

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: 6-30-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	M105669	DFTPP			W	1					Failed	SI4, Retune
	670	DFTPP				1					OK	3:32 PM
	671	CC4300-50		BNA		2					OK	
	672	CC4301-50		TCL42		3					OK	
	673	OP75861-MB1	75861-1	ABN+	S	4		+	-	-	OK	
	674	-BS1				5			-	-	OK	
	675	OP75888-MB1	75888-1	ABN+	W	6		+	-	-	OK	
	676	JB68289-22R	75686-1	ABTCL20+	S	7	10		-	-	OK	VF=5
	677	-23				8	10		-	-	OK	↓
	678	JB69911-3A	75861-1	ABTCL20+	S	9		+	-	-	OK	RR1:10
	679	JB69446-3	75872-1	ABTCL11+		10		+	-	-	OK	
	680	JB64500-54		ABTCL0+		11		+	-	-	OK	
	681	JB69485-1		ABHDTCL11+		12		+	-	-	OK	
	682	-2				13		+	-	-	OK	
	683	-3				14		+	-	-	OK	
	684	JB69524-3		ABHDTCL20+		15		+	-	-	OK	
	M105 685	-4				16		+	-	-	OK	

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

65

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.13

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4326

Date: 6-27-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Page 65	

Columns: RTX-5MS 30M x .25MM x .25UM

Method 8270/625

Initial Cal. Method MM4300

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6-30-14

LR	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	M105686	Jb69524-5	75872-1	ABNTCL20+	W	17		+	✓	✓	OK	
	687	Jb69534-6		ABTCL20		18		+	✓	✓	OK	
	688	Jb69563-20		ABTCL11+		19		+	✓	✓	OK	
	689	-25				20		+	✓	✓	OK	
	690	Jb69567-1		ABNTCL11+		21		+	✓	✓	OK	
	691	-2				22		+	✓	✓	OK	
	692	-3				23		+	✓	✓	OK	
	693	-4				24		+	✓	✓	OK	
	694	-5				25		+	✓	✓	OK	
	M105695	-6				26		+	✓	✓	OK	3:18AM

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

67

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.13

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: Em 4327

Date: 6-28-14

Analyst Signature: JS

Columns: RTX5ms30m×.25mm×.25u

Method 82701625

Initial Cal. Method m4300

Injection Volume: 1ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SL14136211	DFTPP	50ppm
SL14141193 B	BLNA	25ppm
4 B	TCL42	25ppm
CLT2933	IS	4000ppm
DH776	DCMCHM	-

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6/30/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M105696	DFTPP			W	1					OK	1:57 PM
	97	CC4300-25				2					OK	651,917
	98	CC4301-25				3					OK	1057
	M105699	OP76024-mb1	76024-1	ABH	S	4			-	-	OK	
	700	-BS1				5	-		-	-	OK	
	01	-MS				6			-	-	OK	
	02	-MSD				7			-	-	OK	
	03	OP75872-MS	75872-1	ABH	W1	8			-	-	OK	
	04	JB69445-2	75816-1	ABTCIP	W1	9			2L	-	OK	CFI
	05	JB69647-2	75797-1	ABTCIP	W1	10			-	-	OK	
	06	JB70415-1	76024-1	STGX	S	11			-	-	OK	
	07	-2				12			-	-	OK	RR1:10
	08	-3				13			-	-	OK	RR1:10
	09	-4				14			-	-	OK	RR1:10
	10	-5				15			-	-	OK	RR1:20
	11	-6				16			2L	-	OK	RR1:25
	M105712	JB64500-55	75888	ABTCL20T	W	17			-	-	RR	hit #65

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.14

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4327

Date: 6-28-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Page 71	

Columns: RTX-5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method mm4300

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/14

IR	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	m105713	Jb69959-6		Sim	W	18			/		not using	Simonly
	714	Jb68718-6AB				19			/		RR	his #65
	715	Jb69624-16		ABTCL11+		20			/		RR	
	716	Jb69599-1		BHJTCL11+		21			/			
	717	-2				22			/			
	718	-3				23			/			
	719	-4				24			/			
	720	Jb69911-3A	75861-1	ABTCL20+	S	25	10		/	/	OK	
	721	Jb70415-2	76024-1	Star	S	26	10		/	/	OK	1:40 AM
	722	DCM				27						
	808											

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.

71

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.14

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st Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH # MS75766 | RACK# D-10

tarted: 06·19·14 Time started: 07:35 am
inished: 06/19/14 Time finished: 10:10 am

ACTION METHOD: (Check one): Microwave SW3546 ____ Sonication SW3550C ✓
Waste Dil. SW3580A ____ Soxhlet SW3540C ____

Ext By:	FP / SA
Conc By:	AP / AQ9 / MS
Vialed By:	AQ9
Relinquished by:	AQ9 / FP
Accepted by:	
Supervisor Review:	[signature] 06.19.14

Equipment	ID	Temp	Pres
WaterBath	5	80°C	
TurboVAP			
NEVAp	2	35°C	
Balance	B-45	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN OP	141177117	50	1

WITNESS SIGN: AQ9

MATRIX SPIKE	LOT #	Conc	Amt
Acid OP	141177112	50	1
Base #1 w/o Aniline OP	141177109	50	1
Base #2 OP	141177110	50	1
Aniline OP	141177111	50	1

WITNESS SIGN: AQ9

SOLVENT	LOT #	BRAND
1:1 MC/ ACE	158/158280	HW
METH CHLOR		

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Alfa Aesar
FILTER PAPER	FW07691	Fisher
HYDROMATRIX		

Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt. (g)	Microwave ID	Decant Y	Decant N	Final Extract Color	Final Extract Vol(ml)	GPC Cleanup		Comments
BS	ABN		Na_2SO_4	35.0				yellow	1			
69534-1 MS		1	soil	33.5			\	brown	1			
1 MSD		1	soil	31.0			/	brown	1			
MB1 BS			Na_2SO_4	35.0				clear	1			
MS												
MSD												
69597-7	ABN	1	soil	33.1			\	brown	1			
-8		1	soil	33.3			/	brown	1			
-11		1	Rocks	30.5			\	brown	1			
69466-1		1	crushed/rocks	30.3			/	brown	1			
-2		1	crush/rocks	30.8			\	brown	1			
-3		1	sand	33.4			/	brown	1			
-4		1	crush/rocks	30.8			\	brown	1			
69534-1		1	soil	30.5			/	brown	1			
-2		1	sand	31.5			\	yellow	1			
-3		1	sand	30.5			/	brown	1			
-4		1	sand	33.5		✓	X	yellow	1			*
-5		1	sand	30.4			/	brown	1			
-8		1	sand	32.6		✓		brown	1			
-9		1	sand	30.3		✓		brown	1			
-10		1	sand	30.5		✓	X	brown	1			* *
69563-3		1	soil	30.2			/	brown	1			
-4		1	soil	32.6			\	clear	1			
-10		1	soil	31.2			/	brown	1			
-11		1	soil	30.2			\	brown	1			
-12		1	soil	33.2			/	brown	1			

Comments: * Sample ID JB69534-4 was decanted
* Sample ID JB69534-10 was decanted

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Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

Date Started: 6/23/14 Time Started: 9:50A

Date Finished: 6/23/14 Time Finished: 2:04P

BATCH# MS75872 RACK# A1

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 ✓ Cont Liq-Liq SW3520C_____

Sample #	Q270 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 1	ABN			DI H2O	1000	1	4	clear	1		
BS 1				DI H2O	1000	1	4	yellow	1		
JB69524-1 MS		2		Yellow	500	1	4	yellow	1		
MSD		2		Yellow	500	1	4	yellow	1		
BS 2	HM			DI H2O	1000	1	4	clear	1		
JB69567-1 MS A		2		DI H2O	1000	1	4	clear	1		500 vol start Cd yellow
MSD A		2		DI H2O	1000	1	4	yellow	1		500 vol start Cd yellow
1 JB69446-3	ABN	6		Clear	1000	1	4	Clear 6/24	1		
2 JB69763-15		1		Clear	996	1	4	Clear	1		
3 JB64500-54		2		Clear	100	1	4	Clear	1		
4 JB69485-1		1		Clear	100	1	4	clear	1		
5 -2		1		Clear	106	1	4	clear	1		
6 -3		1		Clear	100	1	4	clear	1		
7 JB69524-1		1		Yellow	1000	1	4	clear	1		
8 -3		2		Clear	1000	1	4	clear	1		
9 -4		1		Clear	1000	1	4	clear	1		
10 -5		1		Clear	1000	1	4	Clear	1		
11 JB69534-6		2		Clear	945	1	4	clear	1		
12 JB69548-1		1		milk	1006	1	4	Orange	5*		
13 JB69563-20		2		Clear	990	1	4	Clear	1		
14 -25		2		Clear	970	1	4	clear	1		
15 JB69567-1		1		Yellow	1000	1	4	brown	1		
16 -2		2		Yellow	1000	1	4	yellow	1		
17 -3		1		Yellow	1600	1	4	yellow	1		
18 -4		1		Clear	958	1	4	clear	1		
19 -5		1		Clear	1000	1	4	clear	1		
20 BS13	HQ			DI H2O	1000	1	4	Clear	1		
COMMENTS: JB69567-6		2		Yellow	1000	1	4	yellow	1		

* Yellow

See back for instructions

65

Ext By:	NG/BS/RM/VP
Conc by:	
Vialed by:	SG/DK
Relinquished by:	
Accepted by:	
Supervisor review:	Pennino 6/23/14

Equipment	ID	Temp	Pres
Waterbath	2,3	80	N/A
NEVAP	1	35	
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN	141177493	50	1
Witness Sign:	BS		

Matrix Spike	Lot #	Conc	Amt
Acid	141177338	50	1
Base #1	141177160	50	1
Base #2	141177110	50	1
Witness Sign:	BJ		
1,4-Dichlorobenzene-d4	141177448	50	1

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DK758	HW	6/60

Reagent	Lot #	Brand
Sodium Sulfate	136683	Fisher
Filter Paper	7841	Fisher
Hydromatrix		
NaOH	311211	BDH
H2SO4	4402277	BDH

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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
11:22	MA34289-STD1	1		STDA
11:28	MA34289-STD2	1		STDB
11:34	ZZZZZZ	1		
11:40	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:54	MA34289-ICV1	1		
12:04	MA34289-ICB1	1		
12:10	MA34289-ICCV1	1		
12:24	MA34289-CCB1	1		
12:30	ZZZZZZ	1		
12:36	MA34289-CRI1	1		
12:42	MA34289-CRID1	1		
12:49	MA34289-CRIA1	1		
12:55	ZZZZZZ	1		
13:01	MA34289-ICSA1	1		
13:07	MA34289-ICSAB1	1		
13:13	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:26	MA34289-CCV1	1		
13:31	MA34289-CCB2	1		
13:38	ZZZZZZ	1		
13:44	ZZZZZZ	5		
13:50	ZZZZZZ	10		
13:56	ZZZZZZ	5		
14:02	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:20	ZZZZZZ	2		
14:26	ZZZZZZ	1		
14:32	MA34289-CCV2	1		
14:38	MA34289-CCB3	1		
14:44	ZZZZZZ	1		
14:51	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:57	ZZZZZZ	1		
15:03	MP80163-MB1	1		
15:09	MP80163-B1	1		
15:15	MP80163-LC1	1		
15:21	MP80163-S1	1		
15:27	MP80163-S2	1		
15:33	JB69425-1	1		(sample used for QC only; not part of login JB69534)
15:39	MA34289-CCV3	1		
15:45	MA34289-CCB4	1		
15:51	MP80163-SD1	5		
15:57	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:46	MA34289-CCV4	1		
16:52	MA34289-CCB5	1		
16:58	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:54	MA34289-CCV5	1		
18:00	MA34289-CCB6	1		
18:06	ZZZZZZ	1		
18:12	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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
18:18	MP80160-MB1	1		
18:24	MP80160-LC1	1		
18:30	MP80160-S1	1		
18:36	MP80160-S2	1		
18:42	JB68950-2	1		(sample used for QC only; not part of login JB69534)
18:48	MP80160-SD1	5		JB68950-2 used
18:54	ZZZZZZ	1		
19:00	MA34289-CCV6	1		
19:06	MA34289-CCB7	1		
19:12	ZZZZZZ	1		
19:18	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:49	JB69520-2	1		(sample used for QC only; not part of login JB69534)
19:55	ZZZZZZ	1		
20:01	MP80167-MB1	1		
20:07	MA34289-CCV7	1		
20:13	MA34289-CCB8	1		
20:19	MA34289-CRI2	1		
20:26	MA34289-CRID2	1		
20:32	MA34289-CRIA2	1		
20:38	MA34289-ICSA2	1		
20:44	MA34289-ICSAB2	1		
20:50	MA34289-CCV8	1		
20:56	MA34289-CCB9	1		
21:02	MP80167-B1	1		High rsd-s on CCV
21:08	MP80167-S1	1		High rsd-s on CCV
21:14	MP80167-S2	1		High rsd-s on CCV
21:20	JB69184-1	1		(sample used for QC only; not part of login JB69534)
21:26	MP80167-SD1	5		High rsd-s on CCV
21:32	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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
21:38	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:50	ZZZZZZ	1		
21:56	MA34289-CCV9	1		
22:02	MA34289-CCB10	1		
22:08	ZZZZZZ	1		
22:14	ZZZZZZ	1		
22:20	ZZZZZZ	1		
22:26	ZZZZZZ	1		
22:32	ZZZZZZ	1		
22:38	ZZZZZZ	1		
22:44	ZZZZZZ	1		
22:50	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:03	MA34289-CCV10	1		
23:08	MA34289-CCB11	1		
23:15	ZZZZZZ	1		
23:21	ZZZZZZ	1		
23:27	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:39	ZZZZZZ	1		
23:45	MP80187-MB1	1		
23:51	MP80187-B1	1		
23:57	MP80187-LC1	1		
00:03	MP80187-S1	1		S high
00:09	MA34289-CCV11	1		
00:15	MA34289-CCB12	1		
00:21	MP80187-S2	1		S high
00:27	JB69451-6F	1		(sample used for QC only; not part of login JB69534)
00:33	MP80187-SD1	5		S high
00:39	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:52	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:58	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:16	MA34289-CCV12	1		
01:22	MA34289-CCB13	1		
01:28	ZZZZZZ	1		
01:35	ZZZZZZ	1		
01:41	ZZZZZZ	1		
01:47	ZZZZZZ	1		
01:53	JB69534-6	1		High rsd-s on CCV
---------->	Last reportable sample/prep for job JB69534			
01:59	ZZZZZZ	1		
02:05	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:17	ZZZZZZ	1		
02:24	MA34289-CCV13	1		
02:30	MA34289-CCB14	1		
02:36	MA34289-CRI3	1		
02:42	MA34289-CRID3	1		
02:48	MA34289-CRIA3	1		
02:54	MA34289-CCV14	1		
03:00	MA34289-CCB15	1		
---------->	Last reportable CCB for job JB69534			
03:06	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:19	MP80186-MB1	1		
03:25	MP80186-B1	1		
03:31	MP80186-S1	1		
03:37	MP80186-S2	1		
03:43	JB69171-5	1		(sample used for QC only; not part of login JB69534)
03:49	MP80186-SD1	5		empty
03:55	ZZZZZZ	1		
04:01	MA34289-CCV15	1		
04:07	MA34289-CCB16	1		
04:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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	ZZZZZZ	1		
04:25	ZZZZZZ	1		
04:31	ZZZZZZ	1		
04:37	ZZZZZZ	1		
04:43	ZZZZZZ	1		
04:49	ZZZZZZ	1		
04:55	ZZZZZZ	1		
05:01	ZZZZZZ	1		
05:07	MA34289-CCV16	1		
05:13	MA34289-CCB17	1		
05:19	ZZZZZZ	1		
05:25	ZZZZZZ	1		
05:31	ZZZZZZ	1		
05:37	ZZZZZZ	1		
05:43	ZZZZZZ	1		
05:49	ZZZZZZ	1		
05:55	ZZZZZZ	1		
06:01	ZZZZZZ	1		
06:08	ZZZZZZ	1		
06:14	MA34289-CCV17	1		
06:20	MA34289-CCB18	1		
06:26	MA34289-CRI4	1		
06:32	MA34289-CRID4	1		
06:38	MA34289-CRIA4	1		
06:44	MA34289-CCV18	1		
06:50	MA34289-CCB19	1		
06:56	ZZZZZZ	1		
07:03	ZZZZZZ	1		
07:09	ZZZZZZ	1		
07:15	ZZZZZZ	1		
07:21	ZZZZZZ	1		
07:27	ZZZZZZ	1		
07:34	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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
11:22	MA34289-STD1	1908 R	59854 R	8801 R	4100 R
11:28	MA34289-STD2	1725	52912	8433	3442
11:34	ZZZZZZ	1806	55523	8650	3641
11:40	ZZZZZZ	1888	58257	8654	4059
11:46	ZZZZZZ	1904	58587	8783	4029
11:54	MA34289-ICV1	1803	55374	8655	3632
12:04	MA34289-ICB1	1892	58346	8592	4065
12:10	MA34289-ICCV1	1792	54637	8506	3609
12:24	MA34289-CCB1	1919	58556	8694	4114
12:30	ZZZZZZ	1887	999999 !	8751	3993
12:36	MA34289-CRI1	1884	57711	8638	3980
12:42	MA34289-CRID1	1911	58246	8690	4081
12:49	MA34289-CRIA1	1919	58253	8822	4113
12:55	ZZZZZZ	1922	58798	8698	4099
13:01	MA34289-ICSA1	1620	49594	8055	3123
13:07	MA34289-ICSAB1	1667	50122	8239	3217
13:13	ZZZZZZ	1885	58057	8759	4046
13:19	ZZZZZZ	1874	58685	8755	4093
13:26	MA34289-CCV1	1813	54676	8464	3637
13:31	MA34289-CCB2	1936	59089	8561	4144
13:38	ZZZZZZ	1905	59105	8728	4099
13:44	ZZZZZZ	1895	57771	8791	3932
13:50	ZZZZZZ	1919	58080	8695	4062
13:56	ZZZZZZ	1696	52795	8006	3339
14:02	ZZZZZZ	1944	60386	8978	4189
14:08	ZZZZZZ	1797	55568	8610	3739
14:14	ZZZZZZ	1901	59086	8886	4089
14:20	ZZZZZZ	1906	56662	8930	3728
14:26	ZZZZZZ	1885	58423	8760	4067
14:32	MA34289-CCV2	1822	55064	8493	3652
14:38	MA34289-CCB3	1948	58859	8771	4167
14:44	ZZZZZZ	1734	53387	8421	3481
14:51	ZZZZZZ	1816	54645	8706	3710

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	
14:57	ZZZZZZ	1782	55068	8609	3623	
15:03	MP80163-MB1	1935	59821	8901	4168	
15:09	MP80163-B1	1840	56284	8670	3795	
15:15	MP80163-LC1	1878	57087	8750	3941	
15:21	MP80163-S1	1778	53442	8408	3582	
15:27	MP80163-S2	1752	54172	8517	3539	
15:33	JB69425-1	1773	54230	8535	3635	
15:39	MA34289-CCV3	1840	55153	8474	3673	
15:45	MA34289-CCB4	1944	58805	8690	4144	
15:51	MP80163-SD1	1914	56618	8504	4020	
15:57	ZZZZZZ	2348	72113	11408	3617	
16:03	ZZZZZZ	1781	54267	8305	3638	
16:09	ZZZZZZ	1831	56228	8595	3823	
16:15	ZZZZZZ	1816	55591	8585	3766	
16:22	ZZZZZZ	1766	53910	8408	3591	
16:28	ZZZZZZ	1858	56485	8479	3829	
16:34	ZZZZZZ	1791	55320	8705	3676	
16:40	ZZZZZZ	1857	56660	8668	3882	
16:46	MA34289-CCV4	1821	54743	8423	3650	
16:52	MA34289-CCB5	1939	58931	8656	4147	
16:58	ZZZZZZ	1821	55821	8646	3783	
17:05	ZZZZZZ	1768	53998	8442	3618	
17:11	ZZZZZZ	1855	56423	8614	3828	
17:17	ZZZZZZ	1940	59939	8846	4172	
17:23	ZZZZZZ	1744	49837	8461	3443	
17:29	ZZZZZZ	1767	55839	8072	3614	
17:35	ZZZZZZ	1880	57103	8730	3812	
17:42	ZZZZZZ	1913	58353	8416	4104	
17:48	ZZZZZZ	1736	52513	8201	5526	!a
17:54	MA34289-CCV5	1809	54441	8282	3627	
18:00	MA34289-CCB6	1912	57615	8348	4070	
18:06	ZZZZZZ	1831	54942	8543	3668	
18:12	ZZZZZZ	1780	53413	8248	3588	

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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
18:18	MP80160-MB1	1966	59901	8294	4230
18:24	MP80160-LC1	1915	57454	8511	3991
18:30	MP80160-S1	1883	55682	8599	3849
18:36	MP80160-S2	1867	56225	8564	3811
18:42	JB68950-2	1891	55600	8546	3908
18:48	MP80160-SD1	No results reported for the elements associated with this internal standard.			
18:54	ZZZZZZ	1981	56668	8662	4202
19:00	MA34289-CCV6	1844	53976	8212	3679
19:06	MA34289-CCB7	1970	57773	8922	4167
19:12	ZZZZZZ	1954	58375	8673	4159
19:18	ZZZZZZ	1954	57607	8607	4153
19:25	ZZZZZZ	1951	58392	8785	4116
19:31	ZZZZZZ	1953	57629	8768	4045
19:37	ZZZZZZ	1909	56604	8460	3931
19:43	ZZZZZZ	1945	57765	8509	4068
19:49	JB69520-2	1970	58429	8631	4157
19:55	ZZZZZZ	1971	58828	8635	4162
20:01	MP80167-MB1	1978	59255	8485	4197
20:07	MA34289-CCV7	1825	53675	8144	3635
20:13	MA34289-CCB8	2015	59220	8497	4251
20:19	MA34289-CRI2	1965	57477	8436	4086
20:26	MA34289-CRID2	1980	58291	8339	4164
20:32	MA34289-CRIA2	1988	58665	8488	4188
20:38	MA34289-ICSA2	1666	49763	7802	3200
20:44	MA34289-ICSAB2	1671	49380	7823	3221
20:50	MA34289-CCV8	1858	54743	8567	3708
20:56	MA34289-CCB9	1970	59020	8394	4167
21:02	MP80167-B1	1900	56429	8410	3875
21:08	MP80167-S1	1856	55156	8565	3625
21:14	MP80167-S2	1869	56035	8726	3654
21:20	JB69184-1	1907	57389	8906	3751
21:26	MP80167-SD1	1906	57316	8481	3917
21:32	ZZZZZZ	1893	57310	8890	3707

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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
21:38	ZZZZZZ	1790	54639	8742	3339
21:44	ZZZZZZ	1762	54986	8649	3549
21:50	ZZZZZZ	1789	56131	8842	3559
21:56	MA34289-CCV9	1771	54529	8620	3582
22:02	MA34289-CCB10	1864	58097	8634	4007
22:08	ZZZZZZ	1807	56119	8885	3623
22:14	ZZZZZZ	1825	57367	9206	3577
22:20	ZZZZZZ	1783	56093	8955	3574
22:26	ZZZZZZ	1764	57144	9215	3465
22:32	ZZZZZZ	1820	58654	9364	3573
22:38	ZZZZZZ	1796	57345	9314	3565
22:44	ZZZZZZ	1795	57513	9092	3716
22:50	ZZZZZZ	1797	57392	9182	3649
22:56	ZZZZZZ	1757	56867	9284	3605
23:03	MA34289-CCV10	1693	54011	8798	3458
23:08	MA34289-CCB11	1774	57946	8919	3851
23:15	ZZZZZZ	1673	54773	9032	3333
23:21	ZZZZZZ	1690	56178	9421	3459
23:27	ZZZZZZ	1680	55579	9335	3392
23:33	ZZZZZZ	1671	55231	9231	3360
23:39	ZZZZZZ	1693	55740	9270	3402
23:45	MP80187-MB1	1778	58805	9287	3895
23:51	MP80187-B1	1721	55162	9250	3611
23:57	MP80187-LC1	1797	57023	9204	3828
00:03	MP80187-S1	1552	50582	8561	3139
00:09	MA34289-CCV11	1744	55018	8827	3550
00:15	MA34289-CCB12	1850	58941	8985	3989
00:21	MP80187-S2	1554	50374	8571	3138
00:27	JB69451-6F	1602	51149	8390	3243
00:33	MP80187-SD1	1776	55972	8742	3703
00:39	ZZZZZZ	1884	59395	8943	4067
00:46	ZZZZZZ	1881	59150	8868	4065
00:52	ZZZZZZ	1861	57859	8876	4016

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:58	ZZZZZZ	1680	53335	8446	3447
01:04	ZZZZZZ	1708	53630	8582	3473
01:10	ZZZZZZ	1591	50651	8546	3207
01:16	MA34289-CCV12	1754	54737	8776	3556
01:22	MA34289-CCB13	1859	58017	8676	4005
01:28	ZZZZZZ	1727	53805	8509	3529
01:35	ZZZZZZ	1796	56602	8752	3833
01:41	ZZZZZZ	1766	56431	8966	3753
01:47	ZZZZZZ	1807	56542	8895	3819
01:53	JB69534-6	1822	58357	8824	3940
01:59	ZZZZZZ	1717	54996	8830	3604
02:05	ZZZZZZ	1819	60113	8915	3964
02:11	ZZZZZZ	1774	56659	9099	3754
02:17	ZZZZZZ	1746	56445	9018	3710
02:24	MA34289-CCV13	1706	54536	9018	3491
02:30	MA34289-CCB14	1822	58437	8957	3962
02:36	MA34289-CRI3	1755	56874	8956	3778
02:42	MA34289-CRID3	1821	58678	9007	3948
02:48	MA34289-CRIA3	1810	57477	9067	3940
02:54	MA34289-CCV14	1696	54591	8878	3494
03:00	MA34289-CCB15	1811	58470	9103	3957
03:06	ZZZZZZ	1654	54522	9002	3508
03:13	ZZZZZZ	1617	53331	8785	3341
03:19	MP80186-MB1	1757	58374	9136	3881
03:25	MP80186-B1	1701	55776	8874	3596
03:31	MP80186-S1	1697	55625	9260	3376
03:37	MP80186-S2	1694	55794	9320	3349
03:43	JB69171-5	1692	55483	9487	3363
03:49	MP80186-SD1	No results reported for the elements associated with this internal standard.			
03:55	ZZZZZZ	1703	56138	9426	3328
04:01	MA34289-CCV15	1678	54036	8901	3459
04:07	MA34289-CCB16	1755	58784	9265	3841
04:13	ZZZZZZ	1766	58374	9522	3463

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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	ZZZZZZ	1644	57436	9183	3294
04:25	ZZZZZZ	1688	56569	9509	3321
04:31	ZZZZZZ	1718	57539	9526	3441
04:37	ZZZZZZ	1614	54112	9141	3288
04:43	ZZZZZZ	1636	55713	9228	3458
04:49	ZZZZZZ	1737	57624	9446	3535
04:55	ZZZZZZ	1631	56376	9458	3285
05:01	ZZZZZZ	1707	57053	9194	3504
05:07	MA34289-CCV16	1640	54677	9048	3387
05:13	MA34289-CCB17	1769	59029	9308	3874
05:19	ZZZZZZ	1654	56451	9054	3610
05:25	ZZZZZZ	1576	54302	9003	3504
05:31	ZZZZZZ	1608	56071	9185	3472
05:37	ZZZZZZ	1425	52697	8934	3083
05:43	ZZZZZZ	1718	58144	9531	3370
05:49	ZZZZZZ	1611	54473	9022	3515
05:55	ZZZZZZ	1722	57343	9564	3492
06:01	ZZZZZZ	1550	54052	8968	3241
06:08	ZZZZZZ	1656	56545	9037	3545
06:14	MA34289-CCV17	1667	54225	8925	3432
06:20	MA34289-CCB18	1796	59209	9318	3924
06:26	MA34289-CRI4	1745	58506	8746	3762
06:32	MA34289-CRID4	1779	59501	9394	3865
06:38	MA34289-CRIA4	1810	59911	9346	3946
06:44	MA34289-CCV18	1632	54597	9082	3372
06:50	MA34289-CCB19	1772	59193	9244	3876
06:56	ZZZZZZ	1753	58685	9108	3837
07:03	ZZZZZZ	1583	52973	8836	3261
07:09	ZZZZZZ	1571	52742	8844	3243
07:15	ZZZZZZ	1760	58906	8978	3851
07:21	ZZZZZZ	1741	54380	8994	3416
07:27	ZZZZZZ	1750	58661	9248	3834
07:34	ZZZZZZ	1768	58847	9169	3862

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34289
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

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time: / Sample ID:			12:04 ICB1		12:24 CCB1		13:31 CCB2		14:38 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	-3.4	<200	2.2	<200	6.1	<200	-2.6	<200
Antimony	6.0	1.6	-0.10	<6.0	0.40	<6.0	0.10	<6.0	-0.30	<6.0
Arsenic	3.0	1.1	0.50	<3.0	0.60	<3.0	0.70	<3.0	1.5	<3.0
Barium	200	.2	0.20	<200	0.10	<200	0.30	<200	0.10	<200
Beryllium	1.0	.2	-0.10	<1.0	0.0	<1.0	-0.10	<1.0	-0.20	<1.0
Bismuth	20	1.1								
Boron	100	1	anr							
Cadmium	3.0	.2	0.0	<3.0	0.0	<3.0	0.0	<3.0	0.0	<3.0
Calcium	5000	8.7	-0.70	<5000	3.0	<5000	-1.8	<5000	-1.9	<5000
Chromium	10	.4	0.30	<10	0.30	<10	0.90	<10	0.40	<10
Cobalt	50	.2	-0.10	<50	0.0	<50	0.10	<50	-0.10	<50
Copper	10	.7	0.20	<10	0.50	<10	0.0	<10	0.0	<10
Iron	100	5.1	0.80	<100	2.3	<100	4.4	<100	0.20	<100
Lead	3.0	1.5	-0.20	<3.0	-0.40	<3.0	-0.50	<3.0	0.30	<3.0
Lithium	20	.9								
Magnesium	5000	37	-19	<5000	-24	<5000	-16	<5000	-19	<5000
Manganese	15	.2	0.0	<15	0.0	<15	0.10	<15	0.0	<15
Molybdenum	20	.3	anr							
Nickel	10	.4	-0.10	<10	-0.20	<10	-0.20	<10	-0.30	<10
Palladium	50	2.1								
Potassium	10000	32	37.3	<10000	54.4	<10000	30.2	<10000	29.2	<10000
Selenium	10	2.6	0.30	<10	-0.80	<10	-0.30	<10	0.10	<10
Silicon	200	12								
Silver	10	.7	0.10	<10	0.50	<10	-0.20	<10	-0.10	<10
Sodium	10000	61	11.0	<10000	12.6	<10000	7.4	<10000	3.1	<10000
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	-1.2	<2.0	-1.3	<2.0	-1.1	<2.0	0.0	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	-0.20	<50	-0.30	<50	0.10	<50	-0.30	<50
Zinc	20	.5	0.0	<20	0.10	<20	0.0	<20	0.40	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time: / Sample ID:			12:04 ICB1		12:24 CCB1		13:31 CCB2		14:38 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time:			15:45		16:52		18:00		19:06	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	5.9	<200	7.2	<200	2.9	<200	7.3	<200
Antimony	6.0	1.6	-0.40	<6.0	0.80	<6.0	-0.30	<6.0	0.0	<6.0
Arsenic	3.0	1.1	1.3	<3.0	0.40	<3.0	0.90	<3.0	0.80	<3.0
Barium	200	.2	0.10	<200	0.0	<200	0.30	<200	0.10	<200
Beryllium	1.0	.2	-0.10	<1.0	-0.10	<1.0	0.0	<1.0	-0.20	<1.0
Bismuth	20	1.1								
Boron	100	1	anr							
Cadmium	3.0	.2	0.0	<3.0	0.0	<3.0	0.20	<3.0	0.0	<3.0
Calcium	5000	8.7	-6.0	<5000	-4.0	<5000	-1.5	<5000	-6.4	<5000
Chromium	10	.4	0.50	<10	0.40	<10	0.30	<10	0.10	<10
Cobalt	50	.2	0.0	<50	0.10	<50	0.30	<50	-0.10	<50
Copper	10	.7	-0.30	<10	-0.30	<10	0.40	<10	0.0	<10
Iron	100	5.1	1.0	<100	4.0	<100	2.1	<100	-1.0	<100
Lead	3.0	1.5	-0.10	<3.0	-1.0	<3.0	-0.20	<3.0	0.70	<3.0
Lithium	20	.9								
Magnesium	5000	37	-8.1	<5000	-31	<5000	-4.4	<5000	-7.3	<5000
Manganese	15	.2	0.0	<15	0.10	<15	0.10	<15	-0.10	<15
Molybdenum	20	.3	anr							
Nickel	10	.4	-0.20	<10	-0.20	<10	-0.10	<10	-0.20	<10
Palladium	50	2.1								
Potassium	10000	32	36.7	<10000	42.8	<10000	63.0	<10000	41.9	<10000
Selenium	10	2.6	-0.80	<10	-0.50	<10	0.40	<10	-0.70	<10
Silicon	200	12								
Silver	10	.7	-0.20	<10	0.10	<10	0.0	<10	0.30	<10
Sodium	10000	61	7.8	<10000	9.5	<10000	23.8	<10000	12.5	<10000
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	-0.10	<2.0	-0.70	<2.0	3.4	* (a)	1.0	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	-0.30	<50	0.0	<50	0.10	<50	-0.10	<50
Zinc	20	.5	0.20	<20	0.20	<20	0.40	<20	-0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time: / Sample ID:			15:45 CCB4		16:52 CCB5		18:00 CCB6		19:06 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for TLNJ in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time: / Sample ID:			20:13 CCB8		20:56 CCB9		22:02 CCB10		23:08 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	12.8	<200	15.9	<200	13.3	<200	0.90	<200
Antimony	6.0	1.6	-0.60	<6.0	0.0	<6.0	0.50	<6.0	-1.4	<6.0
Arsenic	3.0	1.1	1.2	<3.0	0.20	<3.0	0.90	<3.0	0.60	<3.0
Barium	200	.2	0.30	<200	0.60	<200	0.30	<200	0.0	<200
Beryllium	1.0	.2	-0.10	<1.0	0.0	<1.0	0.10	<1.0	0.20	<1.0
Bismuth	20	1.1								
Boron	100	1	anr							
Cadmium	3.0	.2	0.0	<3.0	0.30	<3.0	0.20	<3.0	0.40	<3.0
Calcium	5000	8.7	-5.9	<5000	8.0	<5000	-2.1	<5000	2.6	<5000
Chromium	10	.4	0.70	<10	0.50	<10	0.40	<10	0.70	<10
Cobalt	50	.2	0.10	<50	0.10	<50	0.30	<50	0.40	<50
Copper	10	.7	-0.20	<10	0.40	<10	0.60	<10	1.2	<10
Iron	100	5.1	0.90	<100	8.7	<100	5.2	<100	8.7	<100
Lead	3.0	1.5	-0.30	<3.0	-0.40	<3.0	-0.20	<3.0	-0.50	<3.0
Lithium	20	.9								
Magnesium	5000	37	-5.4	<5000	16.6	<5000	-33	<5000	-7.3	<5000
Manganese	15	.2	0.10	<15	0.30	<15	0.30	<15	0.50	<15
Molybdenum	20	.3	anr							
Nickel	10	.4	-0.10	<10	-0.10	<10	-0.20	<10	0.10	<10
Palladium	50	2.1								
Potassium	10000	32	44.6	<10000	33.0	<10000	48.9	<10000	47.8	<10000
Selenium	10	2.6	-2.4	<10	-1.9	<10	-0.60	<10	0.40	<10
Silicon	200	12								
Silver	10	.7	-0.20	<10	0.10	<10	0.0	<10	0.20	<10
Sodium	10000	61	9.5	<10000	13.6	<10000	14.0	<10000	17.9	<10000
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	1.1	<2.0	0.20	<2.0	-0.20	<2.0	0.70	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	-0.10	<50	0.0	<50	0.0	<50	0.0	<50
Zinc	20	.5	0.0	<20	0.30	<20	0.20	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time: / Sample ID:			20:13 CCB8		20:56 CCB9		22:02 CCB10		23:08 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time: / Sample ID:			00:15 CCB12		01:22 CCB13		02:30 CCB14		03:00 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	9.7	<200	10.2	<200	5.9	<200	1.9	<200
Antimony	6.0	1.6	-0.50	<6.0	-1.0	<6.0	-0.60	<6.0	-1.4	<6.0
Arsenic	3.0	1.1	1.3	<3.0	1.2	<3.0	1.4	<3.0	1.3	<3.0
Barium	200	.2	0.40	<200	0.40	<200	0.20	<200	-0.10	<200
Beryllium	1.0	.2	0.40	<1.0	0.30	<1.0	0.40	<1.0	0.20	<1.0
Bismuth	20	1.1								
Boron	100	1	anr							
Cadmium	3.0	.2	0.30	<3.0	0.30	<3.0	0.40	<3.0	0.30	<3.0
Calcium	5000	8.7	7.4	<5000	13.9	<5000	15.4	<5000	9.1	<5000
Chromium	10	.4	0.50	<10	0.80	<10	0.70	<10	0.40	<10
Cobalt	50	.2	0.40	<50	0.30	<50	0.40	<50	0.20	<50
Copper	10	.7	0.60	<10	0.70	<10	1.2	<10	1.0	<10
Iron	100	5.1	14.7	<100	12.5	<100	12.4	<100	6.2	<100
Lead	3.0	1.5	-0.70	<3.0	-0.30	<3.0	0.0	<3.0	-0.40	<3.0
Lithium	20	.9								
Magnesium	5000	37	-11	<5000	3.1	<5000	4.4	<5000	-1.4	<5000
Manganese	15	.2	0.50	<15	0.50	<15	0.50	<15	0.10	<15
Molybdenum	20	.3	anr							
Nickel	10	.4	0.40	<10	0.0	<10	0.20	<10	0.10	<10
Palladium	50	2.1								
Potassium	10000	32	78.9	<10000	64.8	<10000	60.1	<10000	45.0	<10000
Selenium	10	2.6	-0.80	<10	0.60	<10	-1.4	<10	-1.2	<10
Silicon	200	12								
Silver	10	.7	0.0	<10	0.30	<10	0.40	<10	0.20	<10
Sodium	10000	61	21.4	<10000	36.5	<10000	23.8	<10000	14.7	<10000
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	1.3	<2.0	0.70	<2.0	0.20	<2.0	-0.10	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	0.20	<50	0.30	<50	0.10	<50	-0.10	<50
Zinc	20	.5	0.30	<20	0.40	<20	0.60	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34289 Units: ug/l

Time:			00:15		01:22		02:30		03:00	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		12:10	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	40000	100.0
Antimony	2000	2050	102.5
Arsenic	2000	2010	100.5
Barium	2000	2020	101.0
Beryllium	2000	2030	101.5
Bismuth			
Boron	anr		
Cadmium	2000	2040	102.0
Calcium	40000	40600	101.5
Chromium	2000	2080	104.0
Cobalt	2000	2040	102.0
Copper	2000	2000	100.0
Iron	40000	40800	102.0
Lead	2000	2100	105.0
Lithium			
Magnesium	40000	39700	99.3
Manganese	2000	2080	104.0
Molybdenum	anr		
Nickel	2000	2090	104.5
Palladium			
Potassium	40000	39300	98.3
Selenium	2000	2020	101.0
Silicon			
Silver	250	245	98.0
Sodium	40000	39800	99.5
Sulfur			
Strontium			
Thallium	2000	2120	106.0*(a
Tin			
Titanium			
Tungsten			
Vanadium	2000	2030	101.5
Zinc	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		12:10	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		11:54			13:26			14:32	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	40100	100.3	40000	39800	99.5
Antimony	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Arsenic	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Barium	2000	2000	100.0	2000	2020	101.0	2000	2000	100.0
Beryllium	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Bismuth									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Calcium	40000	40000	100.0	40000	40600	101.5	40000	40500	101.3
Chromium	2000	2040	102.0	2000	2080	104.0	2000	2070	103.5
Cobalt	2000	2020	101.0	2000	2030	101.5	2000	2030	101.5
Copper	2000	1960	98.0	2000	1990	99.5	2000	1980	99.0
Iron	40000	40300	100.8	40000	40700	101.8	40000	40500	101.3
Lead	2000	2080	104.0	2000	2100	105.0	2000	2100	105.0
Lithium									
Magnesium	40000	39000	97.5	40000	39500	98.8	40000	39400	98.5
Manganese	2000	2050	102.5	2000	2080	104.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2080	104.0	2000	2080	104.0
Palladium									
Potassium	40000	38900	97.3	40000	39200	98.0	40000	39000	97.5
Selenium	2000	1990	99.5	2000	1980	99.0	2000	1970	98.5
Silicon									
Silver	250	240	96.0	250	245	98.0	250	243	97.2
Sodium	40000	39500	98.8	40000	39800	99.5	40000	39600	99.0
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2110	105.5	2000	2100	105.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Zinc	2000	2060	103.0	2000	2090	104.5	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		11:54			13:26			14:32	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		15:39			16:46			17:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40400	101.0	40000	40800	102.0
Antimony	2000	2000	100.0	2000	2020	101.0	2000	2030	101.5
Arsenic	2000	1930	96.5	2000	1940	97.0	2000	1970	98.5
Barium	2000	1960	98.0	2000	1990	99.5	2000	2020	101.0
Beryllium	2000	1980	99.0	2000	2000	100.0	2000	2040	102.0
Bismuth									
Boron	anr								
Cadmium	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Calcium	40000	40000	100.0	40000	40200	100.5	40000	40800	102.0
Chromium	2000	2060	103.0	2000	2070	103.5	2000	2080	104.0
Cobalt	2000	2010	100.5	2000	2010	100.5	2000	2030	101.5
Copper	2000	1960	98.0	2000	1980	99.0	2000	1980	99.0
Iron	40000	40100	100.3	40000	40400	101.0	40000	40800	102.0
Lead	2000	2110	105.5	2000	2110	105.5	2000	2130	106.5
Lithium									
Magnesium	40000	38700	96.8	40000	38800	97.0	40000	39200	98.0
Manganese	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2080	104.0	2000	2100	105.0
Palladium									
Potassium	40000	38200	95.5	40000	39000	97.5	40000	39500	98.8
Selenium	2000	1940	97.0	2000	1950	97.5	2000	1980	99.0
Silicon									
Silver	250	241	96.4	250	243	97.2	250	242	96.8
Sodium	40000	39200	98.0	40000	40000	100.0	40000	40500	101.3
Sulfur									
Strontium									
Thallium	2000	2080	104.0	2000	2090	104.5	2000	2090	104.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1990	99.5	2000	2020	101.0	2000	2040	102.0
Zinc	2000	2060	103.0	2000	2050	102.5	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		15:39			16:46			17:54	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		19:00			20:07			20:50	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	40900	102.3	40000	38900	97.3
Antimony	2000	1980	99.0	2000	2020	101.0	2000	1990	99.5
Arsenic	2000	1920	96.0	2000	1970	98.5	2000	1940	97.0
Barium	2000	2000	100.0	2000	2010	100.5	2000	1930	96.5
Beryllium	2000	2030	101.5	2000	2030	101.5	2000	1950	97.5
Bismuth									
Boron	anr								
Cadmium	2000	1980	99.0	2000	2020	101.0	2000	1990	99.5
Calcium	40000	40800	102.0	40000	41200	103.0	40000	39200	98.0
Chromium	2000	2100	105.0	2000	2130	106.5	2000	2110	105.5
Cobalt	2000	2000	100.0	2000	2050	102.5	2000	2020	101.0
Copper	2000	1980	99.0	2000	1990	99.5	2000	1960	98.0
Iron	40000	40700	101.8	40000	40800	102.0	40000	38700	96.8
Lead	2000	2110	105.5	2000	2160	108.0	2000	2110	105.5
Lithium									
Magnesium	40000	39100	97.8	40000	39600	99.0	40000	37600	94.0
Manganese	2000	2060	103.0	2000	2100	105.0	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2120	106.0	2000	2080	104.0
Palladium									
Potassium	40000	39500	98.8	40000	39700	99.3	40000	37800	94.5
Selenium	2000	1930	96.5	2000	1970	98.5	2000	1950	97.5
Silicon									
Silver	250	245	98.0	250	247	98.8	250	242	96.8
Sodium	40000	40500	101.3	40000	40600	101.5	40000	38700	96.8
Sulfur									
Strontium									
Thallium	2000	2070	103.5	2000	2110	105.5	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2050	102.5	2000	2080	104.0	2000	2040	102.0
Zinc	2000	2060	103.0	2000	2130	106.5	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		19:00			20:07			20:50	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		21:56			23:03			00:09	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	38700	96.8	40000	38300	95.8
Antimony	2000	2030	101.5	2000	2080	104.0	2000	2040	102.0
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2020	101.0
Barium	2000	2000	100.0	2000	2030	101.5	2000	2000	100.0
Beryllium	2000	1960	98.0	2000	1880	94.0	2000	1920	96.0
Bismuth									
Boron	anr								
Cadmium	2000	2040	102.0	2000	2060	103.0	2000	2030	101.5
Calcium	40000	39300	98.3	40000	38400	96.0	40000	38600	96.5
Chromium	2000	2060	103.0	2000	2020	101.0	2000	2010	100.5
Cobalt	2000	2040	102.0	2000	2040	102.0	2000	2020	101.0
Copper	2000	1960	98.0	2000	1970	98.5	2000	1950	97.5
Iron	40000	38700	96.8	40000	37800	94.5	40000	37800	94.5
Lead	2000	2090	104.5	2000	2060	103.0	2000	2050	102.5
Lithium									
Magnesium	40000	38300	95.8	40000	37200	93.0	40000	37300	93.3
Manganese	2000	2080	104.0	2000	2100	105.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2060	103.0	2000	2040	102.0
Palladium									
Potassium	40000	38500	96.3	40000	37900	94.8	40000	37900	94.8
Selenium	2000	2030	101.5	2000	2070	103.5	2000	2040	102.0
Silicon									
Silver	250	243	97.2	250	242	96.8	250	241	96.4
Sodium	40000	39200	98.0	40000	38800	97.0	40000	38600	96.5
Sulfur									
Strontium									
Thallium	2000	2120	106.0	2000	2110	105.5	2000	2100	105.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	1950	97.5	2000	1950	97.5
Zinc	2000	2090	104.5	2000	2040	102.0	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		21:56			23:03			00:09	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		01:16			02:24			02:54	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38100	95.3	40000	36700	91.8	40000	37900	94.8
Antimony	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Arsenic	2000	2040	102.0	2000	2110	105.5	2000	2110	105.5
Barium	2000	1970	98.5	2000	1970	98.5	2000	2070	103.5
Beryllium	2000	1930	96.5	2000	1910	95.5	2000	1970	98.5
Bismuth									
Boron	anr								
Cadmium	2000	2050	102.5	2000	2060	103.0	2000	2050	102.5
Calcium	40000	38400	96.0	40000	37600	94.0	40000	38800	97.0
Chromium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Cobalt	2000	2050	102.5	2000	2060	103.0	2000	2050	102.5
Copper	2000	1960	98.0	2000	1960	98.0	2000	1970	98.5
Iron	40000	37600	94.0	40000	36800	92.0	40000	37900	94.8
Lead	2000	2090	104.5	2000	2060	103.0	2000	2020	101.0
Lithium									
Magnesium	40000	37000	92.5	40000	36500	91.3	40000	37600	94.0
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2100	105.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2060	103.0	2000	2030	101.5
Palladium									
Potassium	40000	37600	94.0	40000	37300	93.3	40000	38800	97.0
Selenium	2000	2060	103.0	2000	2150	107.5	2000	2150	107.5
Silicon									
Silver	250	241	96.4	250	242	96.8	250	243	97.2
Sodium	40000	38400	96.0	40000	37500	93.8	40000	38900	97.3
Sulfur									
Strontium									
Thallium	2000	2130	106.5	2000	2140	107.0	2000	2120	106.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Zinc	2000	2100	105.0	2000	2100	105.0	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34289 Units: ug/l

Time:		01:16			02:24			02:54	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34289 Units: ug/l

Time:				12:36		12:42		12:49	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	209	104.5	108	108.0	503	100.6
Antimony	6.0	20	3.0	5.2	86.7	2.3	76.7	19.3	96.5
Arsenic	8.0	20	3.0	8.8	110.0	2.8	93.3	20.7	103.5
Barium	200		4.0	207	103.5	4.2	105.0		
Beryllium	2.0		1.0	2.1	105.0	0.90	90.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.5	116.7	1.1	110.0		
Calcium	5000		1000	5100	102.0	1050	105.0		
Chromium	10		2.0	11.4	114.0	2.2	110.0		
Cobalt	50		3.0	51.3	102.6	3.3	110.0		
Copper	10		2.0	10.7	107.0	2.3	115.0		
Iron	100	500		111	111.0			529	105.8
Lead	3.0	20	2.5	2.6	86.7	2.0	80.0	21.4	107.0
Lithium	20								
Magnesium	5000		100	5010	100.2	102	102.0		
Manganese	15		3.0	16.3	108.7	3.2	106.7		
Molybdenum	20			anr					
Nickel	10		4.0	10.4	104.0	4.4	110.0		
Palladium	50								
Potassium	5000		2000	4920	98.4	2030	101.5		
Selenium	10	20	5.0	11.0	110.0			20.5	102.5
Silicon	200								
Silver	5.0		1.0	5.4	108.0	0.90	90.0		
Sodium	5000		1000	5090	101.8	1030	103.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.8	108.0	1.9	95.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	54.0	108.0	1.8	90.0		
Zinc	20		10	24.5	122.5	11.9	119.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34289 Units: ug/l

Time:				12:36		12:42		12:49	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34289 Units: ug/l

Time:				20:19		20:26		20:32	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	215	107.5	112	112.0	499	99.8
Antimony	6.0	20	3.0	5.1	85.0	2.7	90.0	19.5	97.5
Arsenic	8.0	20	3.0	7.9	98.8	3.7	123.3	19.9	99.5
Barium	200		4.0	201	100.5	4.5	112.5		
Beryllium	2.0		1.0	2.1	105.0	0.80	80.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.2	106.7	1.0	100.0		
Calcium	5000		1000	5030	100.6	1050	105.0		
Chromium	10		2.0	11.4	114.0	2.2	110.0		
Cobalt	50		3.0	51.0	102.0	3.0	100.0		
Copper	10		2.0	10.1	101.0	1.9	95.0		
Iron	100	500		108	108.0			524	104.8
Lead	3.0	20	2.5	3.2	106.7	3.1	124.0	21.2	106.0
Lithium	20								
Magnesium	5000		100	4940	98.8	90.4	90.4		
Manganese	15		3.0	16.2	108.0	3.2	106.7		
Molybdenum	20			anr					
Nickel	10		4.0	10.4	104.0	4.3	107.5		
Palladium	50								
Potassium	5000		2000	4860	97.2	2040	102.0		
Selenium	10	20	5.0	11.2	112.0	3.8	76.0	18.1	90.5
Silicon	200								
Silver	5.0		1.0	5.1	102.0	0.80	80.0		
Sodium	5000		1000	5050	101.0	1050	105.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.0	110.0	1.7	85.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	54.8	109.6	1.9	95.0		
Zinc	20		10	24.1	120.5	12.1	121.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34289 Units: ug/l

Time:				20:19		20:26		20:32	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34289 Units: ug/l

Time:				02:36		02:42		02:48	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	199	99.5	93.1	93.1	473	94.6
Antimony	6.0	20	3.0	6.0	100.0	2.9	96.7	19.5	97.5
Arsenic	8.0	20	3.0	10.0	125.0	3.1	103.3	21.7	108.5
Barium	200		4.0	209	104.5	4.1	102.5		
Beryllium	2.0		1.0	2.3	115.0	1.0	100.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.6	120.0	1.2	120.0		
Calcium	5000		1000	4870	97.4	1010	101.0		
Chromium	10		2.0	11.7	117.0	2.4	120.0		
Cobalt	50		3.0	53.2	106.4	3.0	100.0		
Copper	10		2.0	11.2	112.0				
Iron	100	500		106	106.0			495	99.0
Lead	3.0	20	2.5	2.6	86.7	3.0	120.0	20.2	101.0
Lithium	20								
Magnesium	5000		100	4720	94.4	86.8	86.8		
Manganese	15		3.0	16.6	110.7	3.2	106.7		
Molybdenum	20			anr					
Nickel	10		4.0	10.6	106.0	4.6	115.0		
Palladium	50								
Potassium	5000		2000	4860	97.2	2010	100.5		
Selenium	10	20	5.0	12.9	129.0	5.3	106.0	22.0	110.0
Silicon	200								
Silver	5.0		1.0	5.3	106.0	1.0	100.0		
Sodium	5000		1000	4930	98.6	1010	101.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.9	119.0	1.9	95.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	53.9	107.8	1.7	85.0		
Zinc	20		10	24.7	123.5	12.0	120.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34289 Units: ug/l

Time:				02:36		02:42		02:48	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34289 Units: ug/l

Time:			13:01		13:07		20:38		20:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	521000	104.2	505000	101.0	523000	104.6	515000	103.0
Antimony		1000	5.0		1040	104.0	4.3		1050	105.0
Arsenic		1000	0.80		1050	105.0	2.3		1060	106.0
Barium		500	-1.0		503	100.6	-0.90		509	101.8
Beryllium		500	-0.10		492	98.4	-0.10		501	100.2
Bismuth		500	-14		518	103.6	-13		519	103.8
Boron			-0.50		1.1		0.40		3.4	
Cadmium		1000	0.90		1000	100.0	0.60		1010	101.0
Calcium	400000	400000	388000	97.0	372000	93.0	390000	97.5	382000	95.5
Chromium		500	1.2		482	96.4	1.7		495	99.0
Cobalt		500	0.60		476	95.2	0.90		486	97.2
Copper		500	-5.5		520	104.0	-6.0		525	105.0
Iron	200000	200000	188000	94.0	186000	93.0	186000	93.0	187000	93.5
Lead		1000	-2.6		956	95.6	-2.7		988	98.8
Lithium		500	4.8		530	106.0	5.9		532	106.4
Magnesium	500000	500000	525000	105.0	509000	101.8	520000	104.0	516000	103.2
Manganese		500	0.20		490	98.0	0.10		499	99.8
Molybdenum		500	-1.6		488	97.6	-1.6		494	98.8
Nickel		1000	-1.0		963	96.3	-1.1		991	99.1
Palladium		500	-0.60		543	108.6	-0.20		548	109.6
Potassium			154		156		174		155	
Selenium		1000	-0.30		1040	104.0	-1.5		1050	105.0
Silicon			-3.2		-1.6		-4.2		0.30	
Silver		1000	3.4		997	99.7	1.4		1010	101.0
Sodium			-9.3		0.60		-0.90		4.3	
Sulfur		500	-36		428	85.6	-39		442	88.4
Strontium			-4.8		-4.5		-4.9		-4.7	
Thallium		1000	-3.7		934	93.4	-3.4		945	94.5
Tin			-2.0		-1.2		-3.0		-1.7	
Titanium			0.90		1.2		0.60		0.80	
Tungsten		500	1.5		513	102.6	7.0		523	104.6
Vanadium		500	0.20		486	97.2	1.8		501	100.2
Zinc		1000	-0.30		943	94.3	-0.20		979	97.9

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34289 Units: ug/l

Time:			13:01		13:07		20:38		20:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	0.90		578	115.6	1.0		591	118.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:38	MA34299-STD1	1		STDA
12:44	MA34299-STD2	1		STDB
12:50	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:05	MA34299-ICV1	1		
13:18	MA34299-ICB1	1		
13:23	MA34299-ICCV1	1		
13:44	MA34299-CCB1	1		
13:55	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:12	MA34299-CRIA1	1		
14:18	ZZZZZZ	1		
14:26	MA34299-CRI1	1		
14:32	MA34299-CRID1	1		
14:39	MA34299-ICSA1	1		
14:45	MA34299-ICSAB1	1		
14:51	MA34299-CCV1	1		
14:57	MA34299-CCB2	1		
15:03	MA34299-CRI2	1		
15:09	MA34299-CRID2	1		
15:15	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:46	ZZZZZZ	2		
15:52	ZZZZZZ	1		
15:58	MA34299-CCV2	1		
16:04	MA34299-CCB3	1		
16:10	ZZZZZZ	2		
16:16	ZZZZZZ	1		
16:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:28	ZZZZZZ	1		
16:34	ZZZZZZ	5		
16:40	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:53	ZZZZZZ	1		
16:59	MP80186-SD1	5		
17:05	MA34299-CCV3	1		
17:11	MA34299-CCB4	1		
17:17	ZZZZZZ	1		
17:23	ZZZZZZ	3		
17:29	ZZZZZZ	2		
17:35	ZZZZZZ	5		
17:41	ZZZZZZ	2		
17:47	ZZZZZZ	20		
17:53	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:05	MP80167-B1	1		
18:11	MA34299-CCV4	1		
18:17	MA34299-CCB5	1		
18:23	MP80167-S1	1		
18:29	MP80167-S2	1		
18:35	JB69184-1	1		(sample used for QC only; not part of login JB69534)
18:41	MP80167-SD1	5		
18:47	ZZZZZZ	1		
18:53	ZZZZZZ	1		
18:59	MP80160-SD1	5		
19:05	ZZZZZZ	1		
19:12	ZZZZZZ	1		
19:17	MA34299-CCV5	1		
19:23	MA34299-CCB6	1		
19:30	MP80187-S1	5		
19:36	MP80187-S2	5		
19:42	JB69451-6F	5		(sample used for QC only; not part of login JB69534)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:48	MP80187-SD1	25		
19:54	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:06	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:24	MA34299-CCV6	1		
20:30	MA34299-CCB7	1		
20:37	MA34299-CRI3	1		
20:43	MA34299-CRID3	1		
20:49	MA34299-CRIA2	1		
20:55	MA34299-ICSA2	1		
21:01	MA34299-ICSAB2	1		
21:07	MA34299-CCV7	1		
21:13	MA34299-CCB8	1		
21:19	MP80160-SD1	5		
21:25	JB69534-6	1		
---------->	Last reportable sample/prep for job JB69534			
21:31	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:44	ZZZZZZ	3		
21:50	MP80207-MB1	1		
21:56	MP80207-B1	1		
22:02	MP80207-S1	1		
22:08	MP80207-S2	1		
22:14	MA34299-CCV8	1		
22:20	MA34299-CCB9	1		
22:26	JB69126-3	1		(sample used for QC only; not part of login JB69534)
22:32	MP80207-SD1	5		
22:38	ZZZZZZ	1		
22:44	ZZZZZZ	1		
22:50	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:02	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:08	ZZZZZZ	1		
23:14	ZZZZZZ	1		
23:20	MA34299-CCV9	1		
23:26	MA34299-CCB10	1		
23:32	ZZZZZZ	1		
23:38	ZZZZZZ	1		
23:44	ZZZZZZ	1		
23:50	ZZZZZZ	1		
23:56	ZZZZZZ	1		
00:02	ZZZZZZ	1		
00:08	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:26	MA34299-CCV10	1		
00:32	MA34299-CCB11	1		
00:38	ZZZZZZ	1		
00:45	ZZZZZZ	1		
00:51	ZZZZZZ	3		
00:57	MP80180-MB1	1		
01:03	MP80180-LC1	1		
01:09	MP80180-S1	1		
01:15	MP80180-S2	1		
01:21	JB69533-1AF	1		(sample used for QC only; not part of login JB69534)
01:27	MP80180-SD1	5		
01:33	MA34299-CCV11	1		
01:39	MA34299-CCB12	1		
01:45	ZZZZZZ	1		
01:51	ZZZZZZ	1		
01:57	ZZZZZZ	1		
02:04	ZZZZZZ	1		
02:10	ZZZZZZ	1		
02:16	ZZZZZZ	1		
02:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:28	ZZZZZZ	1		
02:34	ZZZZZZ	1		
02:40	MA34299-CCV12	1		
02:46	MA34299-CCB13	1		
02:52	ZZZZZZ	1		
02:58	ZZZZZZ	1		
03:04	ZZZZZZ	1		
03:11	ZZZZZZ	1		
03:17	ZZZZZZ	1		
03:23	ZZZZZZ	1		
03:29	ZZZZZZ	1		
03:35	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:48	ZZZZZZ	1		
03:54	MA34299-CCV13	1		
04:00	MA34299-CCB14	1		
04:06	MA34299-CRI4	1		
04:12	MA34299-CRID4	1		
04:18	MA34299-CRIA3	1		
04:25	MA34299-CCV14	1		
04:30	MA34299-CCB15	1		
---------->	Last reportable CCB for job JB69534			
04:37	ZZZZZZ	1		
04:43	ZZZZZZ	1		
04:49	ZZZZZZ	1		
04:55	ZZZZZZ	1		
05:01	ZZZZZZ	1		
05:07	ZZZZZZ	1		
05:14	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:38	MA34299-STD1	2097 R	62901 R	12474 R	4386 R
12:44	MA34299-STD2	1936	57990	12127	3704
12:50	ZZZZZZ	1990	59690	12267	3864
12:56	ZZZZZZ	2086	62960	12517	4368
13:05	MA34299-ICV1	1993	59902	12317	3882
13:18	MA34299-ICB1	2099	63122	12357	4401
13:23	MA34299-ICCV1	1991	59336	12206	3875
13:44	MA34299-CCB1	2095	65127	12380	4391
13:55	ZZZZZZ	1819	54116	11389	3354
14:00	ZZZZZZ	2052	61708	12205	4230
14:06	ZZZZZZ	7173 !	162260 !	21333 !	13709 !
14:12	MA34299-CRIA1	2081	62457	12338	4351
14:18	ZZZZZZ	2045	60693	12128	4225
14:26	MA34299-CRI1	No results reported for the elements associated with this internal standard.			
14:32	MA34299-CRID1	No results reported for the elements associated with this internal standard.			
14:39	MA34299-ICSA1	1806	53393	11320	3328
14:45	MA34299-ICSAB1	1802	53401	11334	3333
14:51	MA34299-CCV1	1957	58278	12130	3817
14:57	MA34299-CCB2	2084	62889	12351	4374
15:03	MA34299-CRI2	2049	61298	11984	4238
15:09	MA34299-CRID2	2074	62512	12195	4331
15:15	ZZZZZZ	2019	60708	12101	4232
15:21	ZZZZZZ	2041	62150	12243	4347
15:27	ZZZZZZ	2067	62338	12208	4347
15:34	ZZZZZZ	1978	58859	12130	3959
15:40	ZZZZZZ	1761	52291	11642	3327
15:46	ZZZZZZ	2018	62174	12260	4219
15:52	ZZZZZZ	2058	62785	12251	4343
15:58	MA34299-CCV2	1968	58744	11940	3836
16:04	MA34299-CCB3	2087	62508	12161	4367
16:10	ZZZZZZ	2276	68464	13895	3925
16:16	ZZZZZZ	1970	59621	12020	3976
16:22	ZZZZZZ	1948	59118	11903	3876

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:28	ZZZZZZ	2025	61395	12231	4020
16:34	ZZZZZZ	1958	59131	12213	4459
16:40	ZZZZZZ	1958	58108	12066	3832
16:47	ZZZZZZ	1957	57471	11982	3858
16:53	ZZZZZZ	2074	61978	12300	4364
16:59	MP80186-SD1	2082	61484	12140	4140
17:05	MA34299-CCV3	2006	59120	11830	3891
17:11	MA34299-CCB4	2095	62197	11782	4365
17:17	ZZZZZZ	1986	59656	12152	3714
17:23	ZZZZZZ	2041	60223	11869	4132
17:29	ZZZZZZ	1993	61093	11588	3983
17:35	ZZZZZZ	1999	59426	11762	3939
17:41	ZZZZZZ	2012	58434	11995	4058
17:47	ZZZZZZ	2104	60966	11912	4282
17:53	ZZZZZZ	2019	60059	11823	4056
17:59	ZZZZZZ	2088	62541	11882	4371
18:05	MP80167-B1	2054	60700	11706	4071
18:11	MA34299-CCV4	2013	58579	11487	3891
18:17	MA34299-CCB5	2114	61991	11969	4397
18:23	MP80167-S1	2017	59139	11792	3792
18:29	MP80167-S2	2029	59350	11763	3816
18:35	JB69184-1	2055	60296	11928	3901
18:41	MP80167-SD1	2086	61738	11675	4154
18:47	ZZZZZZ	1980	59070	11753	3809
18:53	ZZZZZZ	2106	62689	12129	4442
18:59	MP80160-SD1	No results reported for the elements associated with this internal standard.			
19:05	ZZZZZZ	2107	61811	11926	4402
19:12	ZZZZZZ	2016	58917	11574	4021
19:17	MA34299-CCV5	1988	58036	11326	3851
19:23	MA34299-CCB6	2110	61811	11696	4385
19:30	MP80187-S1	1972	58218	11365	3928
19:36	MP80187-S2	1970	58251	11387	3920
19:42	JB69451-6F	1997	58996	11527	3998

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:48	MP80187-SD1	2077	60920	11657	4264
19:54	ZZZZZZ	1772	53556	11104	3430
20:00	ZZZZZZ	1985	56569	11444	3897
20:06	ZZZZZZ	2039	60702	11653	4159
20:12	ZZZZZZ	2034	60701	11486	4124
20:18	ZZZZZZ	2030	59842	11624	4115
20:24	MA34299-CCV6	1980	57834	11307	3840
20:30	MA34299-CCB7	2123	62257	11709	4402
20:37	MA34299-CRI3	2089	61187	11630	4272
20:43	MA34299-CRID3	2111	61831	11648	4363
20:49	MA34299-CRIA2	2108	62079	11643	4377
20:55	MA34299-ICSA2	1804	52756	10715	3338
21:01	MA34299-ICSAB2	1831	53013	10584	3389
21:07	MA34299-CCV7	1999	58072	11225	3877
21:13	MA34299-CCB8	2118	61918	11609	4403
21:19	MP80160-SD1	2122	61583	11604	4408
21:25	JB69534-6	2094	61892	11744	4347
21:31	ZZZZZZ	2036	59621	11486	4112
21:38	ZZZZZZ	2029	59781	11518	4104
21:44	ZZZZZZ				
21:50	MP80207-MB1	2109	62297	11709	4400
21:56	MP80207-B1	2060	59493	11315	4078
22:02	MP80207-S1	2061	60125	11696	3909
22:08	MP80207-S2	2065	59892	11588	3920
22:14	MA34299-CCV8	2028	58403	11340	3931
22:20	MA34299-CCB9	2147	61594	11372	4450
22:26	JB69126-3	2121	60751	11708	4059
22:32	MP80207-SD1	2138	61685	11785	4279
22:38	ZZZZZZ	2107	59792	11575	4070
22:44	ZZZZZZ	2143	62167	11990	4036
22:50	ZZZZZZ	2133	60752	11773	4101
22:56	ZZZZZZ	2142	61880	11996	4072
23:02	ZZZZZZ	2156	61677	11805	3972

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:08	ZZZZZZ	2115	59873	11395	4086
23:14	ZZZZZZ	2113	60850	11524	4133
23:20	MA34299-CCV9	2021	58556	11178	3915
23:26	MA34299-CCB10	2138	61353	11512	4413
23:32	ZZZZZZ	2158	61853	11723	4083
23:38	ZZZZZZ	2143	61464	11694	4051
23:44	ZZZZZZ	2096	60491	11359	4029
23:50	ZZZZZZ	2125	60824	11671	4080
23:56	ZZZZZZ	2076	59353	11606	4047
00:02	ZZZZZZ	2028	57988	11408	3850
00:08	ZZZZZZ	2040	59030	11505	3866
00:14	ZZZZZZ	2001	58968	11556	3797
00:20	ZZZZZZ	2020	59675	11722	3873
00:26	MA34299-CCV10	1980	57697	11233	3869
00:32	MA34299-CCB11	2064	61537	11422	4304
00:38	ZZZZZZ	2013	59062	11575	3873
00:45	ZZZZZZ	1980	58492	11636	3804
00:51	ZZZZZZ	1971	59106	11400	4041
00:57	MP80180-MB1	2037	59991	11651	4276
01:03	MP80180-LC1	2008	59307	11548	4107
01:09	MP80180-S1	1773	54557	11130	3402
01:15	MP80180-S2	1808	53965	11120	3468
01:21	JB69533-1AF	1819	55374	11307	3522
01:27	MP80180-SD1	1956	58291	11351	3944
01:33	MA34299-CCV11	1957	57366	11437	3828
01:39	MA34299-CCB12	2060	60612	11780	4306
01:45	ZZZZZZ	1865	56793	11392	3722
01:51	ZZZZZZ	1851	56136	11308	3690
01:57	ZZZZZZ	1968	59108	11501	4011
02:04	ZZZZZZ	1915	57164	11344	3828
02:10	ZZZZZZ	1990	59143	11688	4063
02:16	ZZZZZZ	1981	59605	11629	4032
02:22	ZZZZZZ	1975	60062	11633	4028

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34299
Parameters: Al,As,Fe,Pb,Mg,K,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	
02:28	ZZZZZZ	1950	59411	11635	3992	
02:34	ZZZZZZ	1911	57705	11527	3801	
02:40	MA34299-CCV12	1865	56205	10963	3662	
02:46	MA34299-CCB13	1997	59034	11250	4168	
02:52	ZZZZZZ	1912	56595	11193	3847	
02:58	ZZZZZZ	1952	58749	11412	3994	
03:04	ZZZZZZ	1870	56537	11249	3705	
03:11	ZZZZZZ	1894	57552	11360	3776	
03:17	ZZZZZZ	1604	48340	10777	2983	!
03:23	ZZZZZZ	1657	50239	10867	3103	
03:29	ZZZZZZ	1626	49845	10626	3040	!
03:35	ZZZZZZ	1638	49428	11191	3060	!
03:42	ZZZZZZ	1792	54354	11159	3469	
03:48	ZZZZZZ	2019	60737	11662	4235	
03:54	MA34299-CCV13	1916	56575	11227	3757	
04:00	MA34299-CCB14	2034	60986	11332	4242	
04:06	MA34299-CRI4	1985	60264	11793	4083	
04:12	MA34299-CRID4	2035	60605	11466	4223	
04:18	MA34299-CRIA3	2039	61130	11627	4241	
04:25	MA34299-CCV14	1919	57018	11306	3758	
04:30	MA34299-CCB15	2034	60528	11572	4242	
04:37	ZZZZZZ	2031	60984	11609	4218	
04:43	ZZZZZZ	2047	60377	11895	4248	
04:49	ZZZZZZ	2029	59894	11096	4213	
04:55	ZZZZZZ	2020	60242	11487	4193	
05:01	ZZZZZZ	2056	60671	11593	4287	
05:07	ZZZZZZ	1830	54921	11037	3581	
05:14	ZZZZZZ	2026	55734	11031	3755	

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time: / Sample ID:			13:18 ICB1		13:44 CCB1		14:57 CCB2		16:04 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	-3.4	<200	-4.5	<200	45.6	<200	6.6	<200
Antimony	6.0	1.6								
Arsenic	3.0	1.1	0.0	<3.0	-0.60	<3.0	1.1	<3.0	0.0	<3.0
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.4	anr							
Cobalt	50	.2								
Copper	10	.7	anr							
Iron	100	5.1	0.90	<100	2.4	<100	24.6	<100	9.9	<100
Lead	3.0	1.5	-0.30	<3.0	-0.50	<3.0	-0.80	<3.0	-0.40	<3.0
Lithium	20	.9								
Magnesium	5000	37	5.0	<5000	-2.1	<5000	79.6	<5000	8.1	<5000
Manganese	15	.2	anr							
Molybdenum	20	.3								
Nickel	10	.4	anr							
Palladium	50	2.1								
Potassium	10000	32	14.5	<10000	14.9	<10000	12.1	<10000	22.9	<10000
Selenium	10	2.6	anr							
Silicon	200	12								
Silver	10	.7	anr							
Sodium	10000	61	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	-0.10	<2.0	0.0	<2.0	0.30	<2.0	1.0	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3								
Zinc	20	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time:			13:18		13:44		14:57		16:04	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time: / Sample ID:			17:11 CCB4		18:17 CCB5		19:23 CCB6		20:30 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	13.0	<200	16.7	<200	12.7	<200	9.3	<200
Antimony	6.0	1.6								
Arsenic	3.0	1.1	0.50	<3.0	0.70	<3.0	0.70	<3.0	1.3	<3.0
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.4	anr							
Cobalt	50	.2								
Copper	10	.7	anr							
Iron	100	5.1	9.8	<100	10.8	<100	12.6	<100	11.8	<100
Lead	3.0	1.5	-1.2	<3.0	-0.90	<3.0	-0.10	<3.0	0.10	<3.0
Lithium	20	.9								
Magnesium	5000	37	30.1	<5000	36.6	<5000	8.8	<5000	15.1	<5000
Manganese	15	.2	anr							
Molybdenum	20	.3								
Nickel	10	.4	anr							
Palladium	50	2.1								
Potassium	10000	32	24.6	<10000	6.6	<10000	3.4	<10000	5.2	<10000
Selenium	10	2.6	anr							
Silicon	200	12								
Silver	10	.7	anr							
Sodium	10000	61	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	0.30	<2.0	0.60	<2.0	1.9	<2.0	1.5	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3								
Zinc	20	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time:			17:11		18:17		19:23		20:30	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time: / Sample ID:			21:13 CCB8		22:20 CCB9		23:26 CCB10		00:32 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	26.1	<200	23.8	<200	27.5	<200	8.2	<200
Antimony	6.0	1.6								
Arsenic	3.0	1.1	-0.10	<3.0	0.90	<3.0	0.50	<3.0	0.30	<3.0
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.4	anr							
Cobalt	50	.2								
Copper	10	.7	anr							
Iron	100	5.1	19.1	<100	22.3	<100	31.5	<100	17.7	<100
Lead	3.0	1.5	-0.70	<3.0	-0.10	<3.0	0.80	<3.0	-0.60	<3.0
Lithium	20	.9								
Magnesium	5000	37	59.2	<5000	30.5	<5000	18.7	<5000	13.0	<5000
Manganese	15	.2	anr							
Molybdenum	20	.3								
Nickel	10	.4	anr							
Palladium	50	2.1								
Potassium	10000	32	-4.3	<10000	-5.7	<10000	0.10	<10000	27.0	<10000
Selenium	10	2.6	anr							
Silicon	200	12								
Silver	10	.7	anr							
Sodium	10000	61	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	-0.50	<2.0	1.5	<2.0	0.70	<2.0	0.70	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3								
Zinc	20	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time: / Sample ID:			21:13 CCB8		22:20 CCB9		23:26 CCB10		00:32 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time:			01:39		02:46		04:00		04:30	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	6.8	<200	4.4	<200	1.9	<200	8.1	<200
Antimony	6.0	1.6								
Arsenic	3.0	1.1	0.30	<3.0	-0.30	<3.0	-0.60	<3.0	0.70	<3.0
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.4	anr							
Cobalt	50	.2								
Copper	10	.7	anr							
Iron	100	5.1	14.1	<100	4.2	<100	8.2	<100	10.4	<100
Lead	3.0	1.5	-0.60	<3.0	-0.60	<3.0	-0.50	<3.0	-0.90	<3.0
Lithium	20	.9								
Magnesium	5000	37	-0.30	<5000	24.9	<5000	21.5	<5000	25.3	<5000
Manganese	15	.2	anr							
Molybdenum	20	.3								
Nickel	10	.4	anr							
Palladium	50	2.1								
Potassium	10000	32	68.3	<10000	19.1	<10000	27.1	<10000	0.30	<10000
Selenium	10	2.6	anr							
Silicon	200	12								
Silver	10	.7	anr							
Sodium	10000	61	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	0.30	<2.0	0.70	<2.0	1.5	<2.0	0.20	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3								
Zinc	20	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34299 Units: ug/l

Time:			01:39		02:46		04:00		04:30	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		13:23	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39900	99.8
Antimony			
Arsenic	2000	2010	100.5
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	40000	40900	102.3
Lead	2000	2050	102.5
Lithium			
Magnesium	40000	39600	99.0
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	40000	39600	99.0
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	2000	2090	104.5
Tin			
Titanium			
Tungsten			
Vanadium			
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		13:23	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		13:05			14:51			15:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	39400	98.5	40000	40100	100.3
Antimony									
Arsenic	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	40000	41100	102.8	40000	40300	100.8	40000	40800	102.0
Lead	2000	2020	101.0	2000	2090	104.5	2000	2080	104.0
Lithium									
Magnesium	40000	40200	100.5	40000	39400	98.5	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	40000	39900	99.8	40000	39400	98.5	40000	40200	100.5
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2140	107.0	2000	2120	106.0
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		13:05			14:51			15:58	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		17:05			18:11			19:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	40800	102.0	40000	41000	102.5
Antimony									
Arsenic	2000	2010	100.5	2000	2030	101.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	40000	40300	100.8	40000	41200	103.0	40000	41500	103.8
Lead	2000	2080	104.0	2000	2100	105.0	2000	2120	106.0
Lithium									
Magnesium	40000	39600	99.0	40000	40600	101.5	40000	41000	102.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	40000	40000	100.0	40000	41400	103.5	40000	41700	104.3
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2120	106.0	2000	2140	107.0
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		17:05			18:11			19:17	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		20:24			21:07			22:14	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	40800	102.0	40000	40000	100.0
Antimony									
Arsenic	2000	2060	103.0	2000	2030	101.5	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	40000	41700	104.3	40000	41500	103.8	40000	40900	102.3
Lead	2000	2120	106.0	2000	2100	105.0	2000	2080	104.0
Lithium									
Magnesium	40000	41100	102.8	40000	40700	101.8	40000	40300	100.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	40000	41800	104.5	40000	41600	104.0	40000	41000	102.5
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2160	108.0	2000	2140	107.0	2000	2140	107.0
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		20:24			21:07			22:14	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		23:20			00:26			01:33	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40200	100.5	40000	39400	98.5
Antimony									
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	40000	41100	102.8	40000	41400	103.5	40000	40300	100.8
Lead	2000	2100	105.0	2000	2070	103.5	2000	2090	104.5
Lithium									
Magnesium	40000	40700	101.8	40000	40000	100.0	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	40000	41300	103.3	40000	41200	103.0	40000	40300	100.8
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2150	107.5	2000	2160	108.0	2000	2180	109.0
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		23:20			00:26			01:33	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		02:40			03:54			04:25	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41700	104.3	40000	40600	101.5	40000	40100	100.3
Antimony									
Arsenic	2000	2150	107.5	2000	2080	104.0	2000	2080	104.0
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	40000	42400	106.0	40000	41100	102.8	40000	40700	101.8
Lead	2000	2180	109.0	2000	2120	106.0	2000	2120	106.0
Lithium									
Magnesium	40000	41200	103.0	40000	40300	100.8	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	40000	42400	106.0	40000	41000	102.5	40000	40700	101.8
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2280	114.0*(a	2000	2210	110.5*(a	2000	2210	110.5*(a
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34299 Units: ug/l

Time:		02:40			03:54			04:25	
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.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34299 Units: ug/l

Time:				14:12		15:03		15:09	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRI2		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	524	104.8	214	107.0	100	100.0
Antimony	6.0	20	3.0						
Arsenic	8.0	20	3.0	18.4	92.0	8.6	107.5	2.7	90.0
Barium	200		4.0						
Beryllium	2.0		1.0						
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0						
Calcium	5000		1000						
Chromium	10		2.0						
Cobalt	50		3.0						
Copper	10		2.0						
Iron	100	500		546	109.2	113	113.0		
Lead	3.0	20	2.5	20.9	104.5	2.3	76.7		
Lithium	20								
Magnesium	5000		100			5220	104.4	109	109.0
Manganese	15		3.0						
Molybdenum	20								
Nickel	10		4.0						
Palladium	50								
Potassium	5000		2000			4920	98.4	1980	99.0
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0						
Sodium	5000		1000						
Sulfur	50								
Strontium	10								
Thallium	10		2.0			12.0	120.0	1.7	85.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0						
Zinc	20		10						

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34299 Units: ug/l

Time:				14:12		15:03		15:09	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34299 Units: ug/l

Time:				20:37		20:43		20:49	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	204	102.0	96.6	96.6	517	103.4
Antimony	6.0	20	3.0						
Arsenic	8.0	20	3.0	8.7	108.8	2.7	90.0	19.2	96.0
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						
Copper	10		2.0	anr					
Iron	100	500		109	109.0			544	108.8
Lead	3.0	20	2.5	2.8	93.3	2.7	108.0	20.5	102.5
Lithium	20								
Magnesium	5000		100	5200	104.0	94.7	94.7		
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	5000	100.0	2030	101.5		
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	11.7	117.0	1.7	85.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0						
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34299 Units: ug/l

Time:				20:37		20:43		20:49	
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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34299 Units: ug/l

Time:				04:06		04:12		04:18	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	200	100.0	99.2	99.2	513	102.6
Antimony	6.0	20	3.0						
Arsenic	8.0	20	3.0	8.9	111.3	2.5	83.3	19.3	96.5
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						
Copper	10		2.0	anr					
Iron	100	500		104	104.0			536	107.2
Lead	3.0	20	2.5	3.5	116.7	2.0	80.0	20.8	104.0
Lithium	20								
Magnesium	5000		100	5000	100.0	127	127.0		
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	4870	97.4	2050	102.5		
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	12.9	129.0	2.0	100.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0						
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34299 Units: ug/l

Time:				04:06		04:12		04:18	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID4		CRIA3	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34299 Units: ug/l

Time:			14:39		14:45		20:55		21:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	520000	104.0	512000	102.4	525000	105.0	524000	104.8
Antimony		1000	6.7		1070	107.0	6.7		1060	106.0
Arsenic		1000	1.7		1090	109.0	-1.5		1080	108.0
Barium		500	-1.6		523	104.6	-1.7		533	106.6
Beryllium		500	-0.10		511	102.2	-0.20		522	104.4
Bismuth		500	-14		544	108.8	-13		538	107.6
Boron			-0.80		2.0		-1.6		2.6	
Cadmium		1000	0.60		1030	103.0	0.90		1030	103.0
Calcium	400000	400000	400000	100.0	384000	96.0	404000	101.0	394000	98.5
Chromium		500	0.50		490	98.0	1.7		503	100.6
Cobalt		500	0.30		492	98.4	0.60		492	98.4
Copper		500	-7.1		534	106.8	-7.2		532	106.4
Iron	200000	200000	189000	94.5	193000	96.5	191000	95.5	197000	98.5
Lead		1000	2.7		966	96.6	-1.2		972	97.2
Lithium		500	3.5		563	112.6	3.5		577	115.4
Magnesium	500000	500000	536000	107.2	526000	105.2	541000	108.2	539000	107.8
Manganese		500	20.7		519	103.8	21.0		528	105.6
Molybdenum		500	-2.0		509	101.8	-1.6		508	101.6
Nickel		1000	-1.3		985	98.5	-1.4		985	98.5
Palladium		500	-0.20		560	112.0	-1.3		557	111.4
Potassium			198		199		191		204	
Selenium		1000	-3.8		1080	108.0	-5.9		1070	107.0
Silicon			-5.2		-5.0		-3.1		-2.5	
Silver		1000	4.2		1040	104.0	4.9		1050	105.0
Sodium			14.0		18.0		8.2		24.7	
Sulfur		500	-36		453	90.6	-36		456	91.2
Strontium			-5.4		-5.2		-5.5		-5.4	
Thallium		1000	-2.3		963	96.3	-0.20		967	96.7
Tin			-3.6		-0.80		-2.3		-2.4	
Titanium			0.80		1.4		0.40		0.40	
Tungsten		500	-1.7		552	110.4	-2.0		553	110.6
Vanadium		500	0.50		507	101.4	1.0		516	103.2
Zinc		1000	0.0		969	96.9	-0.30		985	98.5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34299 Units: ug/l

Time:			14:39		14:45		20:55		21:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	1.2		598	119.6	1.5		597	119.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34307
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:34	MA34307-STD1	1		B=1.2430e-004,C=-1.4865e-002,R=0.9999478
12:35	MA34307-STD2	1		STDB
12:36	MA34307-STD3	1		STDC
12:38	MA34307-STD4	1		STDD
12:39	MA34307-STD5	1		STDE
12:40	MA34307-STD6	1		STDF
12:45	MA34307-STD7	1		STDE
13:02	MA34307-ICV1	1		
13:03	MA34307-ICB1	1		
13:05	MA34307-CCV1	1		
13:06	MA34307-CCB1	1		
13:08	MA34307-CRI1	1		
13:13	MP80262-MB1	1		
13:14	MP80262-LC1	2		
13:15	MP80262-S1	1		
13:17	MP80262-S2	1		
13:18	JB69534-1	1		
13:20	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:23	JB69534-2	1		
13:25	JB69534-3	1		
13:26	MA34307-CCV2	1		
13:28	MA34307-CCB2	1		
13:29	JB69534-4	1		
13:30	JB69534-5	1		
13:32	JB69534-8	1		Result over calibration range. See rerun at dilution.
13:33	JB69534-9	1		Result over calibration range. See rerun at dilution.
13:35	JB69534-10	1		Result over calibration range. See rerun at dilution.
13:36	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34307
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:44	MA34307-CCV3	1		
13:45	MA34307-CCB3	1		
13:46	MP80278-LC1	2		Manually corrected
13:48	MP80278-MB1	1		Manually corrected
13:49	MP80278-S1	1		
13:51	MP80278-S2	1		
13:52	JB69575-10	1		(sample used for QC only; not part of login JB69534)
13:54	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:57	ZZZZZZ	1		
13:58	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:01	MA34307-CCV4	1		
14:03	MA34307-CCB4	1		
14:04	ZZZZZZ	1		
14:05	ZZZZZZ	1		
14:07	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:16	MA34307-CCV5	1		
14:18	MA34307-CCB5	1		
15:04	ZZZZZZ	1		
15:05	ZZZZZZ	5		
15:07	ZZZZZZ	5		
15:08	JB69534-8	2		
15:10	JB69534-9	2		
15:11	JB69534-10	20		
---------->	Last reportable sample/prep for job JB69534			
15:16	MA34307-CCV6	1		
15:17	MA34307-CCB6	1		
---------->	Last reportable CCB for job JB69534			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34307 Units: ug/l

Time: / Sample ID:			13:03 ICB1		13:06 CCB1		13:28 CCB2		13:45 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.030	<0.20	-0.025	<0.20	-0.040	<0.20	-0.028	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34307 Units: ug/l

Time:			14:03		14:18		15:17	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.038	<0.20	-0.030	<0.20	-0.030	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34307 Units: ug/l

Time:		13:02			13:05			13:26	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	2.5	2.5	100.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

10.3.2
10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34307 Units: ug/l

Time:		13:44			14:01			14:16	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.7	108.0	2.5	2.8	112.0	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34307 Units: ug/l

Time:		15:16	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Mercury	2.5	2.9	116.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062514S3.CSV Date Analyzed: 06/25/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34307 Units: ug/l

Time:			13:08	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.17	85.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:36	MA34311-STD1	1		STDA
14:42	MA34311-STD2	1		STDB
14:48	ZZZZZZ	1		
14:54	ZZZZZZ	1		
15:03	ZZZZZZ	10		
15:09	ZZZZZZ	10		
15:17	MA34311-ICV1	1		
15:31	MA34311-ICB1	1		
15:43	MA34311-ICCV1	1		
16:15	MA34311-CCB1	1		
16:21	MA34311-CRI1	1		
16:27	MA34311-CRID1	1		
16:33	MA34311-CRIA1	1		
16:39	MA34311-CRID2	1		
16:45	MA34311-ICSA1	1		
16:52	MA34311-ICSAB1	1		
16:57	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:09	MA34311-CCV1	1		
17:15	MA34311-CCB2	1		
17:21	MP80244-MB1	1		
17:27	MP80244-B1	1		
17:33	MP80244-LC1	1		
17:39	MP80244-S1	1		
17:45	MP80244-S2	1		
17:51	JB69534-1	1		
17:57	MP80244-SD1	5		
18:03	ZZZZZZ	1		
18:10	MP80261-B1	1		
18:16	MA34311-CCV2	1		
18:21	MA34311-CCB3	1		
18:28	MP80261-MB1	1		
18:34	MP80261-S1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
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
18:39	MP80261-S2	1		
18:45	JB68725-3T	1		(sample used for QC only; not part of login JB69534)
18:51	MP80261-SD1	5		
18:57	ZZZZZZ	1		
19:03	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:21	MA34311-CCV3	1		
19:27	MA34311-CCB4	1		
19:33	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:45	ZZZZZZ	1		
19:51	ZZZZZZ	1		
19:57	ZZZZZZ	1		
20:03	JB69534-2	1		
20:09	JB69534-3	1		
20:15	JB69534-4	1		
20:21	JB69534-5	1		
20:27	MA34311-CCV4	1		
20:33	MA34311-CCB5	1		
20:39	JB69534-8	1		
20:45	JB69534-9	1		
20:51	JB69534-10	1		High rsd
---------->	Last reportable sample/prep for job JB69534			
20:57	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:20	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:32	MA34311-CCV5	1		
21:38	MA34311-CCB6	1		
21:44	MA34311-CRI2	1		
21:50	MA34311-CRID3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	21:56	MA34311-CRIA2	1		
	22:02	MA34311-ICSA2	1		
	22:08	MA34311-ICSAB2	1		
	22:14	MA34311-CCV6	1		
	22:20	MA34311-CCB7	1		
---------->		Last reportable CCB for job JB69534			
	22:26	ZZZZZZ	1		
	22:32	MP80245-MB1	1		
	22:38	MP80245-B1	1		
	22:44	MP80245-LC1	1		
	22:50	MP80245-S1	1		
	22:56	MP80245-S2	1		
	23:02	JB69575-10	1		(sample used for QC only; not part of login JB69534)
	23:07	MP80245-SD1	5		
	23:13	ZZZZZZ	1		
	23:19	MA34311-CCV7	1		
	23:25	MA34311-CCB8	1		
	23:31	ZZZZZZ	1		
	23:37	ZZZZZZ	1		
	23:43	ZZZZZZ	1		
	23:49	ZZZZZZ	1		
	23:55	ZZZZZZ	1		
	00:01	ZZZZZZ	1		
	00:07	ZZZZZZ	1		
	00:13	ZZZZZZ	1		
	00:19	ZZZZZZ	1		
	00:25	MA34311-CCV8	1		
	00:31	MA34311-CCB9	1		
	00:37	ZZZZZZ	1		
	00:43	ZZZZZZ	1		
	00:49	ZZZZZZ	1		
	00:55	ZZZZZZ	1		
	01:01	ZZZZZZ	1		
	01:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
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
01:13	ZZZZZZ	1		
01:19	ZZZZZZ	1		
01:25	MA34311-CCV9	1		
01:30	MA34311-CCB10	1		
01:36	MP80250-MB1	1		
01:43	MP80250-MB2	1		
01:49	MP80250-B1	1		
01:54	MP80250-LC1	1		
02:00	MP80250-LC2	1		
02:06	MP80250-S1	1		ca 490ppm,na 1150ppm,In out,s 780ppm
02:12	MP80250-S2	1		ca 490ppm,na 1150ppm,In out,s 780ppm
02:18	JB69676-26F	1		(sample used for QC only; not part of login JB69534)
02:25	MP80250-SD1	5		ca 490ppm,na 1150ppm,In out,s 780ppm
02:31	ZZZZZZ	1		
02:37	MA34311-CCV10	1		
02:42	MA34311-CCB11	1		
02:49	MA34311-CRI3	1		
02:55	MA34311-CRID4	1		
03:01	MA34311-CRIA3	1		
03:07	MA34311-CCV11	1		
03:13	MA34311-CCB12	1		
03:19	ZZZZZZ	1		
03:25	ZZZZZZ	1		
03:31	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:43	ZZZZZZ	1		
03:49	ZZZZZZ	1		
03:55	ZZZZZZ	1		
04:01	ZZZZZZ	1		
04:08	ZZZZZZ	1		
04:14	ZZZZZZ	1		
04:20	MA34311-CCV12	1		
04:26	MA34311-CCB13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
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
04:32	ZZZZZZ	1		
04:38	ZZZZZZ	1		
04:44	ZZZZZZ	1		
04:50	ZZZZZZ	1		
04:56	ZZZZZZ	1		
05:02	MA34311-CCV13	1		
05:08	MA34311-CCB14	1		
05:14	MA34311-CRI4	1		
05:20	MA34311-CRID5	1		
05:26	MA34311-CRIA4	1		
05:32	MA34311-CCV14	1		
05:38	MA34311-CCB15	1		
05:44	ZZZZZZ	1		
05:50	ZZZZZZ	1		
05:57	ZZZZZZ	1		
06:03	ZZZZZZ	1		
06:09	ZZZZZZ	1		
06:15	ZZZZZZ	1		
06:21	ZZZZZZ	1		
06:27	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:36	MA34311-STD1	2623 R	66850 R	9914 R	3927 R
14:42	MA34311-STD2	2360	63501	9611	3295
14:48	ZZZZZZ	2451	65280	9726	3444
14:54	ZZZZZZ	2644	67834	9920	3947
15:03	ZZZZZZ	2581	67258	9900	3821
15:09	ZZZZZZ	2597	67202	9880	3859
15:17	MA34311-ICV1	2454	65080	9692	3449
15:31	MA34311-ICB1	2632	67838	10157	3933
15:43	MA34311-ICCV1	2479	65634	9720	3478
16:15	MA34311-CCB1	2622	67378	10021	3925
16:21	MA34311-CRI1	2562	66696	9790	3808
16:27	MA34311-CRID1	No results reported for the elements associated with this internal standard.			
16:33	MA34311-CRIA1	2623	67836	10069	3910
16:39	MA34311-CRID2	2582	67371	9934	3843
16:45	MA34311-ICSA1	2177	60013	9215	2928
16:52	MA34311-ICSAB1	2165	60238	9009	2922
16:57	ZZZZZZ	2526	66988	9823	3761
17:03	ZZZZZZ	2514	67543	9945	3847
17:09	MA34311-CCV1	2441	64988	9663	3420
17:15	MA34311-CCB2	2618	67710	9926	3905
17:21	MP80244-MB1	2599	67743	10040	3911
17:27	MP80244-B1	2549	67094	9806	3645
17:33	MP80244-LC1	2567	69090	10197	3477
17:39	MP80244-S1	2519	67982	9974	3438
17:45	MP80244-S2	2530	68271	9964	3459
17:51	JB69534-1	2553	68638	10035	3496
17:57	MP80244-SD1	2611	68009	9820	3726
18:03	ZZZZZZ	2348	64236	9643	3071
18:10	MP80261-B1	2612	67380	9872	3861
18:16	MA34311-CCV2	2494	65647	9585	3467
18:21	MA34311-CCB3	2634	68373	9852	3900
18:28	MP80261-MB1	2629	67802	9810	3954
18:34	MP80261-S1	2584	67366	9770	3770

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
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
18:39	MP80261-S2	2575	67538	9765	3765
18:45	JB68725-3T	2569	67287	9805	3840
18:51	MP80261-SD1	2624	68396	9764	3921
18:57	ZZZZZZ	2588	67640	9817	3730
19:03	ZZZZZZ	2583	67643	9821	3840
19:09	ZZZZZZ	2605	67337	9873	3868
19:15	ZZZZZZ	2575	67396	9697	3832
19:21	MA34311-CCV3	2518	66361	9633	3512
19:27	MA34311-CCB4	2617	67981	9826	3892
19:33	ZZZZZZ	2595	67339	9762	3859
19:39	ZZZZZZ	2375	64738	9727	3148
19:45	ZZZZZZ	2329	64020	9709	3010
19:51	ZZZZZZ	2300	63435	9603	2977
19:57	ZZZZZZ	2623	69524	10219	3618
20:03	JB69534-2	2541	68748	9954	3488
20:09	JB69534-3	2523	67889	9960	3468
20:15	JB69534-4	2550	67950	9983	3523
20:21	JB69534-5	2529	68159	9938	3485
20:27	MA34311-CCV4	2470	66005	9492	3458
20:33	MA34311-CCB5	2639	67818	9787	3940
20:39	JB69534-8	2523	67880	10001	3438
20:45	JB69534-9	2536	67904	9972	3518
20:51	JB69534-10	2495	67124	9911	3401
20:57	ZZZZZZ	2498	67043	9781	3477
21:03	ZZZZZZ	2541	67121	9794	3631
21:08	ZZZZZZ	2635	69270	10046	3663
21:14	ZZZZZZ	2606	67572	9778	3824
21:20	ZZZZZZ	2565	67429	9786	3762
21:26	ZZZZZZ	2373	65028	9594	3148
21:32	MA34311-CCV5	2498	66174	9478	3499
21:38	MA34311-CCB6	2637	68434	9743	3935
21:44	MA34311-CRI2	2595	67609	9580	3846
21:50	MA34311-CRID3	2647	68018	9723	3939

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:56	MA34311-CRIA2	2652	68149	9637	3950
22:02	MA34311-ICSA2	2201	59307	8818	2965
22:08	MA34311-ICSAB2	2203	59886	8882	2978
22:14	MA34311-CCV6	2503	66065	9445	3501
22:20	MA34311-CCB7	2645	67882	9599	3949
22:26	ZZZZZZ	2543	67713	9848	3623
22:32	MP80245-MB1	2637	67836	9701	3977
22:38	MP80245-B1	2567	67049	9417	3673
22:44	MP80245-LC1	2604	69525	10036	3552
22:50	MP80245-S1	2455	66867	9766	3332
22:56	MP80245-S2	2543	68024	9932	3482
23:02	JB69575-10	2534	67798	9822	3451
23:07	MP80245-SD1	2623	68104	9714	3733
23:13	ZZZZZZ	2338	63904	9468	3065
23:19	MA34311-CCV7	2494	65833	9500	3499
23:25	MA34311-CCB8	2669	68670	9690	3982
23:31	ZZZZZZ	2365	64266	9398	3091
23:37	ZZZZZZ	2331	63796	9219	3024
23:43	ZZZZZZ	2392	65523	9652	3054
23:49	ZZZZZZ	2379	65011	9455	3151
23:55	ZZZZZZ	2424	66661	9742	3286
00:01	ZZZZZZ	2696	71948	10342	3499
00:07	ZZZZZZ	2329	62827	9311	2983
00:13	ZZZZZZ	2701	71113	10195	3609
00:19	ZZZZZZ	2327	64472	9373	2984
00:25	MA34311-CCV8	2494	65223	9408	3481
00:31	MA34311-CCB9	2641	68561	9540	3923
00:37	ZZZZZZ	2715	72728	10387	3527
00:43	ZZZZZZ	2392	65245	9504	2985
00:49	ZZZZZZ	2667	71680	10287	3628
00:55	ZZZZZZ	2562	70171	10109	3486
01:01	ZZZZZZ	2596	69972	9931	3558
01:07	ZZZZZZ	2463	67246	9574	3234

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
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
01:13	ZZZZZZ	2586	69231	9781	3522
01:19	ZZZZZZ	2445	66610	9555	3327
01:25	MA34311-CCV9	2492	65928	9376	3478
01:30	MA34311-CCB10	2647	68433	9631	3936
01:36	MP80250-MB1	2635	68229	9701	3942
01:43	MP80250-MB2	2626	68299	9606	3931
01:49	MP80250-B1	2509	66577	9329	3575
01:54	MP80250-LC1	2579	65632	9565	3773
02:00	MP80250-LC2	2586	67726	9620	3791
02:06	MP80250-S1	2029	56947	8748	2738 !a
02:12	MP80250-S2	2015	57424	8728	2725 !a
02:18	JB69676-26F	2041	57020	8735	2758
02:25	MP80250-SD1	2355	63869	9280	3337
02:31	ZZZZZZ	2213	62635	9333	3136
02:37	MA34311-CCV10	2445	65463	9366	3454
02:42	MA34311-CCB11	2594	67521	9612	3904
02:49	MA34311-CRI3	2566	66894	9483	3836
02:55	MA34311-CRID4	2563	67498	9502	3860
03:01	MA34311-CRIA3	2603	67503	9578	3917
03:07	MA34311-CCV11	2430	64637	9366	3437
03:13	MA34311-CCB12	2589	67545	9577	3888
03:19	ZZZZZZ	2180	60969	8940	3094
03:25	ZZZZZZ	1924	53785	8299	2560 !a
03:31	ZZZZZZ	2397	64824	9197	3472
03:37	ZZZZZZ	2234	62384	8877	3194
03:43	ZZZZZZ	2404	65137	9149	3492
03:49	ZZZZZZ	2415	65512	9191	3495
03:55	ZZZZZZ	2214	64168	9183	3324
04:01	ZZZZZZ	2408	65287	9340	3411
04:08	ZZZZZZ	2174	59666	8694	2999
04:14	ZZZZZZ	1752 !a	53108	8425	2569 !a
04:20	MA34311-CCV12	2489	66028	9143	3486
04:26	MA34311-CCB13	2674	68857	9459	3982

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34311
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
04:32	ZZZZZZ	2654	68773	9414	3977
04:38	ZZZZZZ	2179	63102	9050	3275
04:44	ZZZZZZ	2387	65419	9087	3348
04:50	ZZZZZZ	2193	59993	8644	3015
04:56	ZZZZZZ	1692 !a	51811	7972	2514 !a
05:02	MA34311-CCV13	2507	66084	9032	3509
05:08	MA34311-CCB14	2661	68367	9307	3981
05:14	MA34311-CRI4	2605	67238	9257	3867
05:20	MA34311-CRID5	2643	68107	9226	3939
05:26	MA34311-CRIA4	2649	68057	9319	3960
05:32	MA34311-CCV14	2504	66188	9126	3504
05:38	MA34311-CCB15	2667	68460	9287	3983
05:44	ZZZZZZ	2581	66091	9249	3538
05:50	ZZZZZZ	2646	67945	9262	3930
05:57	ZZZZZZ	2656	67701	9233	3957
06:03	ZZZZZZ	2660	67541	9192	3988
06:09	ZZZZZZ	2641	67625	9290	3935
06:15	ZZZZZZ	2646	68422	9268	3965
06:21	ZZZZZZ	2358	63464	8830	3208
06:27	ZZZZZZ	2663	68337	9324	4051

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34311 Units: ug/l

Time: / Sample ID:			15:31 ICB1		16:15 CCB1		17:15 CCB2		18:21 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12	-0.60	<200	-1.7	<200	-2.9	<200	4.3	<200
Antimony	6.0	1.2	-0.40	<6.0	0.10	<6.0	0.70	<6.0	0.90	<500
Arsenic	3.0	1.3	0.90	<3.0	0.60	<3.0	1.1	<3.0	0.80	<500
Barium	200	.37	0.20	<200	0.0	<200	0.10	<200	0.30	<1000
Beryllium	1.0	.1	0.20	<1.0	0.20	<1.0	0.20	<1.0	0.30	<5.0
Bismuth	20	2								
Boron	100	.75	anr							
Cadmium	3.0	.23	0.10	<3.0	-0.10	<3.0	0.10	<3.0	0.0	<5.0
Calcium	5000	32	4.0	<5000	3.3	<5000	2.4	<5000	2.3	<10000
Chromium	10	.5	0.0	<10	0.20	<10	0.70	<10	0.30	<10
Cobalt	50	.28	0.30	<50	0.0	<50	0.10	<50	0.30	<50
Copper	10	.67	0.0	<10	0.10	<10	-0.20	<10	-0.10	<10
Iron	100	9.7	6.4	<100	1.7	<100	9.9	<100	11.2	<100
Lead	3.0	1	0.50	<3.0	-0.40	<3.0	0.20	<3.0	0.80	<500
Lithium	20	1.3								
Magnesium	5000	38	30.7	<5000	16.0	<5000	20.8	<5000	36.5	<10000
Manganese	15	.1	0.20	<15	0.10	<15	0.30	<15	0.30	<15
Molybdenum	20	.39								
Nickel	10	.32	0.0	<10	0.10	<10	0.0	<10	0.10	<10
Palladium	50	1.6								
Potassium	10000	23	10.4	<10000	-20	<10000	-14	<10000	14.2	<10000
Selenium	10	2.2	-1.4	<10	-0.70	<10	-0.90	<10	0.70	<500
Silicon	200	7								
Silver	10	.8	0.50	<10	0.0	<10	-0.10	<10	-0.10	<10
Sodium	10000	6.8	10.5	<10000	5.1	<10000	3.8	<10000	1.9	<10000
Sulfur	50	2.9								
Strontium	10	.13								
Thallium	2.0	1.1	-0.40	<2.0	-0.30	<2.0	0.10	<2.0	0.20	<500
Tin	10	.83	anr							
Titanium	10	.39								
Tungsten	50	8.2								
Vanadium	50	.41	0.30	<50	0.0	<50	0.40	<50	0.50	<50
Zinc	20	4.9	0.20	<20	0.0	<20	0.10	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34311 Units: ug/l

Time: / Sample ID:			15:31 ICB1		16:15 CCB1		17:15 CCB2		18:21 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.53								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34311 Units: ug/l

Time: / Sample ID:			19:27 CCB4		20:33 CCB5		21:38 CCB6		22:20 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	12	-1.3	<200	4.0	<200	2.1	<200	8.4	<200
Antimony	6.0	1.2	-0.20	<500	0.50	<6.0	0.90	<6.0	-0.10	<6.0
Arsenic	3.0	1.3	0.20	<500	1.2	<3.0	1.1	<3.0	1.1	<3.0
Barium	200	.37	0.40	<1000	0.10	<200	0.10	<200	0.20	<200
Beryllium	1.0	.1	0.10	<5.0	0.20	<1.0	0.20	<1.0	0.10	<1.0
Bismuth	20	2								
Boron	100	.75	anr							
Cadmium	3.0	.23	0.0	<5.0	0.20	<3.0	-0.10	<3.0	0.0	<3.0
Calcium	5000	32	1.8	<10000	2.0	<5000	-0.20	<5000	-0.60	<5000
Chromium	10	.5	0.50	<10	0.50	<10	0.10	<10	0.10	<10
Cobalt	50	.28	0.30	<50	0.20	<50	0.20	<50	0.20	<50
Copper	10	.67	-0.30	<10	0.10	<10	0.10	<10	0.30	<10
Iron	100	9.7	4.4	<100	16.4	<100	17.4	<100	18.1	<100
Lead	3.0	1	0.10	<500	0.90	<3.0	0.40	<3.0	1.0	<3.0
Lithium	20	1.3								
Magnesium	5000	38	34.5	<10000	46.0	<5000	40.6	<5000	25.8	<5000
Manganese	15	.1	0.30	<15	0.60	<15	0.30	<15	0.20	<15
Molybdenum	20	.39								
Nickel	10	.32	0.10	<10	0.10	<10	-0.10	<10	-0.10	<10
Palladium	50	1.6								
Potassium	10000	23	9.2	<10000	16.8	<10000	21.2	<10000	6.0	<10000
Selenium	10	2.2	-1.1	<500	0.0	<10	-0.90	<10	-1.8	<10
Silicon	200	7								
Silver	10	.8	0.30	<10	0.20	<10	-0.10	<10	0.20	<10
Sodium	10000	6.8	12.2	<10000	4.4	<10000	4.6	<10000	-0.50	<10000
Sulfur	50	2.9								
Strontium	10	.13								
Thallium	2.0	1.1	0.40	<500	0.20	<2.0	0.20	<2.0	-0.10	<2.0
Tin	10	.83	anr							
Titanium	10	.39								
Tungsten	50	8.2								
Vanadium	50	.41	0.50	<50	0.30	<50	0.10	<50	0.0	<50
Zinc	20	4.9	0.20	<20	0.30	<20	0.10	<20	0.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34311 Units: ug/l

Time:			19:27		20:33		21:38		22:20	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.53								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		15:43	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39300	98.3
Antimony	2000	1980	99.0
Arsenic	2000	1970	98.5
Barium	2000	2010	100.5
Beryllium	2000	2020	101.0
Bismuth			
Boron	anr		
Cadmium	2000	1980	99.0
Calcium	40000	40100	100.3
Chromium	2000	2050	102.5
Cobalt	2000	2020	101.0
Copper	2000	1940	97.0
Iron	40000	40500	101.3
Lead	2000	2030	101.5
Lithium			
Magnesium	40000	39800	99.5
Manganese	2000	2060	103.0
Molybdenum			
Nickel	2000	2030	101.5
Palladium			
Potassium	40000	39200	98.0
Selenium	2000	1970	98.5
Silicon			
Silver	250	244	97.6
Sodium	40000	39600	99.0
Sulfur			
Strontium			
Thallium	2000	2080	104.0
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2010	100.5
Zinc	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		15:43	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		15:17			17:09			18:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	38600	96.5	40000	39300	98.3
Antimony	2000	2000	100.0	2000	2000	100.0	2000	1970	98.5
Arsenic	2000	1990	99.5	2000	2000	100.0	2000	1970	98.5
Barium	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Beryllium	2000	2030	101.5	2000	1980	99.0	2000	2020	101.0
Bismuth									
Boron	anr								
Cadmium	2000	2000	100.0	2000	1990	99.5	2000	1970	98.5
Calcium	40000	40300	100.8	40000	39200	98.0	40000	40200	100.5
Chromium	2000	2060	103.0	2000	2040	102.0	2000	2070	103.5
Cobalt	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Copper	2000	1950	97.5	2000	1930	96.5	2000	1940	97.0
Iron	40000	40700	101.8	40000	39900	99.8	40000	40200	100.5
Lead	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Lithium									
Magnesium	40000	40000	100.0	40000	39300	98.3	40000	39900	99.8
Manganese	2000	2070	103.5	2000	2080	104.0	2000	2080	104.0
Molybdenum									
Nickel	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Palladium									
Potassium	40000	39300	98.3	40000	38800	97.0	40000	39600	99.0
Selenium	2000	1990	99.5	2000	2010	100.5	2000	1980	99.0
Silicon									
Silver	250	245	98.0	250	244	97.6	250	245	98.0
Sodium	40000	39700	99.3	40000	40000	100.0	40000	40000	100.0
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2090	104.5	2000	2090	104.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Zinc	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		15:17			17:09			18:16	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		19:21			20:27			21:32	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
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	1950	97.5	2000	1980	99.0	2000	1970	98.5
Arsenic	2000	1950	97.5	2000	1980	99.0	2000	1970	98.5
Barium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Beryllium	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Bismuth									
Boron	anr								
Cadmium	2000	1960	98.0	2000	1990	99.5	2000	1980	99.0
Calcium	40000	39800	99.5	40000	40100	100.3	40000	40000	100.0
Chromium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Cobalt	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5
Copper	2000	1920	96.0	2000	1940	97.0	2000	1930	96.5
Iron	40000	39900	99.8	40000	40200	100.5	40000	39900	99.8
Lead	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Lithium									
Magnesium	40000	39500	98.8	40000	39600	99.0	40000	39400	98.5
Manganese	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Palladium									
Potassium	40000	39200	98.0	40000	40100	100.3	40000	40200	100.5
Selenium	2000	1960	98.0	2000	1980	99.0	2000	1970	98.5
Silicon									
Silver	250	242	96.8	250	243	97.2	250	242	96.8
Sodium	40000	39600	99.0	40000	40300	100.8	40000	40200	100.5
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2090	104.5	2000	2080	104.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2010	100.5	2000	2010	100.5
Zinc	2000	2020	101.0	2000	2050	102.5	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		19:21			20:27			21:32	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		22:14	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	40000	39800	99.5
Antimony	2000	1970	98.5
Arsenic	2000	1980	99.0
Barium	2000	2010	100.5
Beryllium	2000	2010	100.5
Bismuth			
Boron	anr		
Cadmium	2000	1980	99.0
Calcium	40000	40000	100.0
Chromium	2000	2070	103.5
Cobalt	2000	2050	102.5
Copper	2000	1940	97.0
Iron	40000	39800	99.5
Lead	2000	2060	103.0
Lithium			
Magnesium	40000	39300	98.3
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2050	102.5
Palladium			
Potassium	40000	40500	101.3
Selenium	2000	1970	98.5
Silicon			
Silver	250	243	97.2
Sodium	40000	40200	100.5
Sulfur			
Strontium			
Thallium	2000	2090	104.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2020	101.0
Zinc	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34311 Units: ug/l

Time:		22:14	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34311 Units: ug/l

Time:				16:21		16:33		16:39	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	211	105.5	488	97.6	106	106.0
Antimony	6.0	20	3.0	6.9	115.0	19.6	98.0	2.2	73.3
Arsenic	8.0	20	3.0	8.6	107.5	20.9	104.5	3.2	106.7
Barium	200		4.0	210	105.0			4.2	105.0
Beryllium	2.0		1.0	2.2	110.0			1.1	110.0
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.2	106.7			0.90	90.0
Calcium	5000		1000	5200	104.0			1050	105.0
Chromium	10		2.0	11.3	113.0			2.2	110.0
Cobalt	50		3.0	51.9	103.8			3.3	110.0
Copper	10		2.0	10.0	100.0			1.9	95.0
Iron	100	500		108	108.0	533	106.6		
Lead	3.0	20	2.5	3.6	120.0	20.9	104.5	2.4	96.0
Lithium	20								
Magnesium	5000		100	5260	105.2			149	149.0*(a
Manganese	15		3.0	16.8	112.0			3.3	110.0
Molybdenum	20								
Nickel	10		4.0	10.5	105.0			4.1	102.5
Palladium	50								
Potassium	5000		2000	4930	98.6			1970	98.5
Selenium	10	20	5.0	10.0	100.0	19.5	97.5	3.6	72.0
Silicon	200								
Silver	5.0		1.0	4.8	96.0			0.90	90.0
Sodium	5000		1000	5130	102.6			1020	102.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.4	104.0			1.8	90.0
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	56.0	112.0			1.9	95.0
Zinc	20		10	24.1	120.5			13.6	136.0*(a

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34311 Units: ug/l

Time:				16:21		16:33		16:39	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34311 Units: ug/l

Time:				21:44		21:50		21:56	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	207	103.5	103	103.0	502	100.4
Antimony	6.0	20	3.0	6.5	108.3	2.8	93.3	19.9	99.5
Arsenic	8.0	20	3.0	8.7	108.8	3.1	103.3	20.7	103.5
Barium	200		4.0	207	103.5	4.3	107.5		
Beryllium	2.0		1.0	2.2	110.0	1.1	110.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.3	110.0	1.0	100.0		
Calcium	5000		1000	5110	102.2	1060	106.0		
Chromium	10		2.0	11.1	111.0	2.5	125.0		
Cobalt	50		3.0	52.6	105.2	3.3	110.0		
Copper	10		2.0	9.8	98.0	1.5	75.0		
Iron	100	500		116	116.0			535	107.0
Lead	3.0	20	2.5	2.7	90.0	2.9	116.0	21.5	107.5
Lithium	20								
Magnesium	5000		100	5180	103.6	127	127.0		
Manganese	15		3.0	16.8	112.0	3.4	113.3		
Molybdenum	20								
Nickel	10		4.0	10.4	104.0	3.9	97.5		
Palladium	50								
Potassium	5000		2000	4960	99.2	2010	100.5		
Selenium	10	20	5.0	11.1	111.0	3.8	76.0	19.6	98.0
Silicon	200								
Silver	5.0		1.0	5.5	110.0	1.1	110.0		
Sodium	5000		1000	5120	102.4	1040	104.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.4	104.0	1.9	95.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	55.5	111.0	2.2	110.0		
Zinc	20		10	24.4	122.0	13.8	138.0*(a		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34311 Units: ug/l

Time:				21:44		21:50		21:56	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34311 Units: ug/l

Time:			16:45		16:52		22:02		22:08	
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	507000	101.4	519000	103.8	508000	101.6
Antimony		1000	0.70		1050	105.0	0.40		1040	104.0
Arsenic		1000	2.4		1120	112.0	3.2		1100	110.0
Barium		500	-1.4		527	105.4	-1.1		521	104.2
Beryllium		500	0.70		512	102.4	0.80		507	101.4
Bismuth		500	28.2		577	115.4	27.6		568	113.6
Boron			-0.10		5.1		-0.20		4.9	
Cadmium		1000	1.4		1030	103.0	1.5		1030	103.0
Calcium	400000	400000	376000	94.0	371000	92.8	383000	95.8	372000	93.0
Chromium		500	-1.7		478	95.6	-1.6		492	98.4
Cobalt		500	-0.20		488	97.6	-0.10		491	98.2
Copper		500	-2.9		515	103.0	-3.7		523	104.6
Iron	200000	200000	184000	92.0	189000	94.5	186000	93.0	186000	93.0
Lead		1000	5.5		974	97.4	2.9		975	97.5
Lithium		500	18.0		588	117.6	18.5		591	118.2
Magnesium	500000	500000	503000	100.6	507000	101.4	510000	102.0	502000	100.4
Manganese		500	1.4		506	101.2	1.6		516	103.2
Molybdenum		500	1.1		515	103.0	0.50		513	102.6
Nickel		1000	1.1		966	96.6	1.0		966	96.6
Palladium		500	-8.9		528	105.6	-12		545	109.0
Potassium			-55		-28		-18		4.9	
Selenium		1000	3.1		1120	112.0	3.8		1100	110.0
Silicon			-7.2		-9.1		-8.0		-6.5	
Silver		1000	4.8		1020	102.0	6.3		1040	104.0
Sodium			-8.4		-4.5		-3.0		1.8	
Sulfur		500	-33		466	93.2	-32		465	93.0
Strontium			-4.5		-4.2		-4.5		-4.3	
Thallium		1000	0.80		968	96.8	2.6		975	97.5
Tin			-2.3		-1.5		-1.6		-0.90	
Titanium			1.6		1.6		2.3		1.9	
Tungsten		500	-35		508	101.6	-35		500	100.0
Vanadium		500	3.5		496	99.2	3.4		507	101.4
Zinc		1000	2.0		967	96.7	1.6		986	98.6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC062414M2.ICP Date Analyzed: 06/24/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34311 Units: ug/l

Time:			16:45		16:52		22:02		22:08	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	2.2		540	108.0	2.3		546	109.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:16	MA34313-STD1	1		STDA
09:22	MA34313-STD2	1		STDB
09:28	ZZZZZZ	1		
09:34	ZZZZZZ	1		
09:41	MA34313-ICV1	1		
09:54	MA34313-ICB1	1		
10:00	MA34313-ICCV1	1		
10:23	MA34313-CCB1	1		
10:28	MA34313-CRI1	1		
10:34	MA34313-CRID1	1		
10:40	MA34313-CRIA1	1		
10:46	ZZZZZZ	5		
10:56	MA34313-CRIA2	1		
11:02	MA34313-ICSA1	1		
11:09	MA34313-ICSAB1	1		
11:14	ZZZZZZ	1		
11:21	ZZZZZZ	1		
11:27	MA34313-CCV1	1		
11:35	MA34313-CCB2	1		
11:41	ZZZZZZ	1		
11:47	MA34313-CRID2	1		
11:53	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:18	ZZZZZZ	10		
12:24	ZZZZZZ	10		
12:30	ZZZZZZ	2		
12:36	MA34313-CCV2	1		
12:42	MA34313-CCB3	1		
12:48	ZZZZZZ	2		
12:55	ZZZZZZ	5		
13:01	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:07	ZZZZZZ	5		
13:13	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:25	ZZZZZZ	5		
13:32	ZZZZZZ	1		
13:38	ZZZZZZ	5		
13:44	MA34313-CCV3	1		
13:50	MA34313-CCB4	1		
13:56	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:52	MA34313-CCV4	1		
14:58	MA34313-CCB5	1		
15:04	ZZZZZZ	3		
15:10	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:28	ZZZZZZ	2		
15:34	ZZZZZZ	2		
15:40	JB69534-10	1		
---------->	Last reportable sample/prep for job JB69534			
15:46	MP80233-MB2	1		
15:52	MP80233-B2	1		
15:58	MA34313-CCV5	1		
16:04	MA34313-CCB6	1		
16:10	MP80233-LC2	1		
16:16	ZZZZZZ	1		
16:23	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:29	ZZZZZZ	1		
	16:35	MP80250-S1	5		
	16:41	MP80250-S1	10		
	16:47	MP80250-S2	5		
	16:53	MP80250-S2	10		
	16:59	JB69676-26F	5		(sample used for QC only; not part of login JB69534)
	17:06	MA34313-CCV6	1		
	17:11	MA34313-CCB7	1		
	17:18	MA34313-CRI2	1		
	17:24	MA34313-CRID3	1		
	17:30	MA34313-CRIA3	1		
	17:36	MA34313-ICSA2	1		
	17:42	MA34313-ICSAB2	1		
	17:48	MA34313-CCV7	1		
	17:54	MA34313-CCB8	1		
---------->	Last reportable CCB for job JB69534				
	18:00	JB69676-26F	10		(sample used for QC only; not part of login JB69534)
	18:06	MP80250-SD1	25		
	18:13	MP80250-SD1	50		
	18:19	ZZZZZZ	5		
	18:25	ZZZZZZ	1		
	18:31	ZZZZZZ	2		
	18:37	ZZZZZZ	2		
	18:43	MP80242-MB1	1		
	18:49	MP80242-LC1	1		
	18:56	MA34313-CCV8	1		
	19:01	MA34313-CCB9	1		
	19:08	MP80242-S1	1		
	19:14	MP80242-S2	1		
	19:20	JB69654-1	1		(sample used for QC only; not part of login JB69534)
	19:26	MP80242-SD1	5		
	19:32	ZZZZZZ	1		
	19:38	ZZZZZZ	1		
	19:44	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:50	ZZZZZZ	1		
19:56	ZZZZZZ	1		
20:02	MA34313-CCV9	1		
20:08	MA34313-CCB10	1		
20:14	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:09	MA34313-CCV10	1		
21:15	MA34313-CCB11	1		
21:21	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:40	ZZZZZZ	1		
21:46	ZZZZZZ	1		
21:52	MP80267-MB1	1		
21:58	MP80267-B1	1		
22:04	MP80267-S1	1		
22:10	MP80267-S2	1		
22:16	MA34313-CCV11	1		
22:22	MA34313-CCB12	1		
22:28	JB69910-4A	1		(sample used for QC only; not part of login JB69534)
22:34	MP80267-SD1	5		
22:40	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:58	ZZZZZZ	1		
23:04	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:10	ZZZZZZ	1		
23:16	ZZZZZZ	1		
23:22	MA34313-CCV12	1		
23:28	MA34313-CCB13	1		
23:34	ZZZZZZ	1		
23:40	ZZZZZZ	1		
23:46	ZZZZZZ	1		
23:52	ZZZZZZ	1		
23:58	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:10	ZZZZZZ	1		
00:17	ZZZZZZ	1		
00:23	ZZZZZZ	1		
00:29	MA34313-CCV13	1		
00:35	MA34313-CCB14	1		
00:41	ZZZZZZ	1		
00:47	ZZZZZZ	1		
00:53	ZZZZZZ	1		
00:59	ZZZZZZ	10		
01:05	MA34313-CCV14	1		
01:11	MA34313-CCB15	1		
01:17	MA34313-CRI3	1		
01:23	MA34313-CRID4	1		
01:29	MA34313-CRIA4	1		
01:36	MA34313-CCV15	1		
01:42	MA34313-CCB16	1		
01:48	ZZZZZZ	1		
01:54	ZZZZZZ	1		
02:00	ZZZZZZ	1		
02:06	ZZZZZZ	1		
02:12	ZZZZZZ	1		
02:19	ZZZZZZ	1		
02:25	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:16	MA34313-STD1	1866 R	56196 R	8758 R	4051 R
09:22	MA34313-STD2	1702	50644	8553	3364
09:28	ZZZZZZ	1743	53295	8619	3502
09:34	ZZZZZZ	1821	56938	9012	3971
09:41	MA34313-ICV1	1742	53272	8981	3508
09:54	MA34313-ICB1	1830	56942	9165	3986
10:00	MA34313-ICCV1	1754	53524	9022	3528
10:23	MA34313-CCB1	1831	56607	8865	3984
10:28	MA34313-CRI1	1805	55754	9316	3874
10:34	MA34313-CRID1	No results reported for the elements associated with this internal standard.			
10:40	MA34313-CRIA1	No results reported for the elements associated with this internal standard.			
10:46	ZZZZZZ	1828	55756	9220	3962
10:56	MA34313-CRIA2	1839	56915	9446	3990
11:02	MA34313-ICSA1	1582	48402	8629	3012
11:09	MA34313-ICSAB1	1588	48532	8531	3032
11:14	ZZZZZZ	1790	55478	9373	3888
11:21	ZZZZZZ	1786	56459	9414	3954
11:27	MA34313-CCV1	1728	53441	9026	3468
11:35	MA34313-CCB2	1821	56218	9306	3953
11:41	ZZZZZZ	1849	57395	9570	4066
11:47	MA34313-CRID2	1812	56277	9265	3922
11:53	ZZZZZZ	1839	57354	9591	4041
11:59	ZZZZZZ	1843	55733	9727	4055
12:06	ZZZZZZ	1854	56548	9544	4077
12:12	ZZZZZZ	1805	56273	9452	3946
12:18	ZZZZZZ	1641	49258	9072	3235
12:24	ZZZZZZ	1635	49186	8942	3197
12:30	ZZZZZZ	1794	55072	9469	3616
12:36	MA34313-CCV2	1734	52812	9190	3483
12:42	MA34313-CCB3	1836	56150	9382	3968
12:48	ZZZZZZ	1579	47372	8942	3073
12:55	ZZZZZZ	1674	50711	9046	3349
13:01	ZZZZZZ	1570	47798	8916	3066

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:07	ZZZZZZ	1674	50910	9092	3346
13:13	ZZZZZZ	1809	55248	9327	3934
13:19	ZZZZZZ	1582	49442	9017	3126
13:25	ZZZZZZ	1551	46760	8892	2969
13:32	ZZZZZZ	1502	44299	8944	2906
13:38	ZZZZZZ	1633	48565	8993	3193
13:44	MA34313-CCV3	1727	52050	9019	3465
13:50	MA34313-CCB4	1832	55706	9402	3961
13:56	ZZZZZZ	1516	46836	8872	2950
14:02	ZZZZZZ	1822	55972	9397	3959
14:08	ZZZZZZ	1646	49493	8765	3037
14:15	ZZZZZZ	1660	49843	8919	3053
14:21	ZZZZZZ	1644	49712	8908	3008
14:27	ZZZZZZ	1556	50403	9250	3286
14:33	ZZZZZZ	1518	50381	9503	3223
14:39	ZZZZZZ	1652	50166	9027	3000
14:46	ZZZZZZ	1658	49801	8918	3110
14:52	MA34313-CCV4	1729	52341	9170	3474
14:58	MA34313-CCB5	1833	56150	9444	3965
15:04	ZZZZZZ	1749	52975	9289	3500
15:10	ZZZZZZ	1811	55395	9415	3934
15:16	ZZZZZZ	1649	48980	8897	3065
15:22	ZZZZZZ	1679	50509	8755	3155
15:28	ZZZZZZ	1687	50392	8873	3204
15:34	ZZZZZZ	1695	50139	8935	3210
15:40	JB69534-10	1734	52135	9342	3370
15:46	MP80233-MB2	1813	55586	9391	3936
15:52	MP80233-B2	1728	52933	9153	3578
15:58	MA34313-CCV5	1738	52090	9082	3486
16:04	MA34313-CCB6	1835	54111	9419	3964
16:10	MP80233-LC2	1772	54017	9147	3736
16:16	ZZZZZZ	1637	49344	8926	3254
16:23	ZZZZZZ	1681	51066	8916	3427

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:29	ZZZZZZ	1819	55637	9319	3940
16:35	MP80250-S1	1653	51732	9000	3280
16:41	MP80250-S1	1716	52109	9111	3465
16:47	MP80250-S2	1654	50231	9130	3273
16:53	MP80250-S2	1705	51284	9097	3451
16:59	JB69676-26F	1641	50076	9025	3252
17:06	MA34313-CCV6	1725	51327	8911	3462
17:11	MA34313-CCB7	1845	55597	9140	3980
17:18	MA34313-CRI2	1814	54359	9048	3854
17:24	MA34313-CRID3	1835	55398	9182	3944
17:30	MA34313-CRIA3	1852	55356	9249	3980
17:36	MA34313-ICSA2	1583	47222	8459	3024
17:42	MA34313-ICSAB2	1595	46947	8481	3054
17:48	MA34313-CCV7	1744	51216	8730	3494
17:54	MA34313-CCB8	1849	54847	9127	3972
18:00	JB69676-26F	1732	51230	8889	3495
18:06	MP80250-SD1	1780	52840	9001	3684
18:13	MP80250-SD1	1814	55115	8917	3805
18:19	ZZZZZZ	1631	48294	8478	3154
18:25	ZZZZZZ	1546	47062	8634	3115
18:31	ZZZZZZ	1833	54597	9087	3950
18:37	ZZZZZZ	1414	43938	8525	2768 !
18:43	MP80242-MB1	1828	55219	8837	3944
18:49	MP80242-LC1	1791	53403	9017	3759
18:56	MA34313-CCV8	1756	51162	8860	3517
19:01	MA34313-CCB9	1845	54751	8869	3964
19:08	MP80242-S1	1727	51838	8619	3544
19:14	MP80242-S2	1718	51993	9065	3539
19:20	JB69654-1	1765	53892	9163	3725
19:26	MP80242-SD1	1843	54659	9109	3938
19:32	ZZZZZZ	1795	52733	8929	3774
19:38	ZZZZZZ	1815	53920	8948	3824
19:44	ZZZZZZ	1800	53358	9013	3772

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:50	ZZZZZZ	1794	52539	9049	3781
19:56	ZZZZZZ	1811	53146	9000	3722
20:02	MA34313-CCV9	1768	51875	8898	3529
20:08	MA34313-CCB10	1898	55469	9128	4049
20:14	ZZZZZZ	1822	53224	8861	3783
20:20	ZZZZZZ	1812	53240	9008	3797
20:26	ZZZZZZ	1818	54845	9068	3886
20:33	ZZZZZZ	1810	54861	8978	3865
20:39	ZZZZZZ	1803	54776	9114	3841
20:45	ZZZZZZ	1792	54360	9062	3808
20:51	ZZZZZZ	1809	54781	9064	3852
20:57	ZZZZZZ	1769	54020	9118	3730
21:03	ZZZZZZ	1739	52069	9047	3572
21:09	MA34313-CCV10	1760	52228	8970	3527
21:15	MA34313-CCB11	1852	55832	9198	3998
21:21	ZZZZZZ	1785	53661	9046	3760
21:27	ZZZZZZ	1783	53790	9090	3745
21:33	ZZZZZZ	1744	52309	8946	3568
21:40	ZZZZZZ	1805	55863	9394	3835
21:46	ZZZZZZ	1847	56593	9326	4018
21:52	MP80267-MB1	1849	55603	9809	4024
21:58	MP80267-B1	1798	53696	9080	3679
22:04	MP80267-S1	1648	51988	8926	3414
22:10	MP80267-S2	1648	52142	8726	3402
22:16	MA34313-CCV11	1743	52244	8927	3490
22:22	MA34313-CCB12	1854	54788	9144	3999
22:28	JB69910-4A	1668	52468	9041	3470
22:34	MP80267-SD1	1797	54073	8926	3769
22:40	ZZZZZZ	1824	54546	9038	3639
22:46	ZZZZZZ	1879	55820	9399	3618
22:52	ZZZZZZ	1924	57266	9652	3621
22:58	ZZZZZZ	1928	57313	9592	3672
23:04	ZZZZZZ	1904	57442	9693	3643

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:10	ZZZZZZ	1919	57047	9538	3646
23:16	ZZZZZZ	1911	56796	9802	3624
23:22	MA34313-CCV12	1767	52480	8934	3535
23:28	MA34313-CCB13	1864	55336	9094	4019
23:34	ZZZZZZ	1936	57865	9729	3634
23:40	ZZZZZZ	1919	56831	9566	3631
23:46	ZZZZZZ	1594	52143	8912	3698
23:52	ZZZZZZ	1618	52558	9163	3115
23:58	ZZZZZZ	1785	54008	9073	3662
00:04	ZZZZZZ	1697	50376	9130	3523
00:10	ZZZZZZ	1277 !a	44575	7994	2987
00:17	ZZZZZZ	1771	53731	9151	3720
00:23	ZZZZZZ	1832	54450	9208	3717
00:29	MA34313-CCV13	1752	52657	8823	3505
00:35	MA34313-CCB14	1864	55315	9114	4013
00:41	ZZZZZZ	1835	54625	9220	3726
00:47	ZZZZZZ	1790	53858	9156	3571
00:53	ZZZZZZ	1796	53628	9027	3696
00:59	ZZZZZZ	1671	49045	8691	3247
01:05	MA34313-CCV14	1775	51001	8843	3544
01:11	MA34313-CCB15	1874	55784	9103	4020
01:17	MA34313-CRI3	1851	54477	9019	3909
01:23	MA34313-CRID4	1857	54137	9289	3968
01:29	MA34313-CRIA4	1889	55507	9072	4037
01:36	MA34313-CCV15	1766	51142	8750	3529
01:42	MA34313-CCB16	1863	54793	9140	3994
01:48	ZZZZZZ	1875	55082	8969	4015
01:54	ZZZZZZ	1881	55245	8992	4013
02:00	ZZZZZZ	1877	54982	9071	4001
02:06	ZZZZZZ	1894	54103	9011	4030
02:12	ZZZZZZ	1886	55226	8950	4035
02:19	ZZZZZZ	1874	55902	9083	4006
02:25	ZZZZZZ	1863	54864	9047	4010

R = Reference for ISTD limits. ! = Outside limits.

10.5.1
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ACCUTEST LABORATORIES
JB69534

INTERNAL STANDARD SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34313
Parameters: Al,Ba,Ca,Fe,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34313 Units: ug/l

Time: / Sample ID:			09:54 ICB1		10:23 CCB1		11:35 CCB2		12:42 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	2.3	<200	7.0	<200	-0.70	<200	0.60	<200
Antimony	6.0	1.6	anr							
Arsenic	3.0	1.1	anr							
Barium	200	.2	0.0	<200	0.20	<200	-0.10	<200	0.10	<200
Beryllium	1.0	.2	anr							
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	-0.70	<5000	4.0	<5000	-2.6	<5000	-3.1	<5000
Chromium	10	.4	anr							
Cobalt	50	.2	anr							
Copper	10	.7	anr							
Iron	100	5.1	2.6	<100	5.6	<100	-2.3	<100	0.90	<100
Lead	3.0	1.5	anr							
Lithium	20	.9								
Magnesium	5000	37	-19	<5000	-3.6	<5000	9.2	<5000	13.6	<5000
Manganese	15	.2	anr							
Molybdenum	20	.3								
Nickel	10	.4	anr							
Palladium	50	2.1								
Potassium	10000	32	anr							
Selenium	10	2.6	anr							
Silicon	200	12								
Silver	10	.7	anr							
Sodium	10000	61	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	anr							
Tin	10	1.1	anr							
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	anr							
Zinc	20	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34313 Units: ug/l

Time:			09:54		10:23		11:35		12:42	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34313 Units: ug/l

Time: / Sample ID:			13:50 CCB4		14:58 CCB5		16:04 CCB6		17:11 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	1.0	<200	2.5	<200	3.7	<200	12.9	<200
Antimony	6.0	1.6	anr							
Arsenic	3.0	1.1	anr							
Barium	200	.2	0.10	<200	0.10	<200	0.20	<200	0.30	<200
Beryllium	1.0	.2	anr							
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	-6.1	<5000	-1.9	<5000	-0.10	<5000	4.2	<5000
Chromium	10	.4	anr							
Cobalt	50	.2	anr							
Copper	10	.7	anr							
Iron	100	5.1	1.4	<100	2.8	<100	3.9	<100	4.0	<100
Lead	3.0	1.5	anr							
Lithium	20	.9								
Magnesium	5000	37	-9.7	<5000	15.0	<5000	8.4	<5000	-2.5	<5000
Manganese	15	.2	anr							
Molybdenum	20	.3								
Nickel	10	.4	anr							
Palladium	50	2.1								
Potassium	10000	32	anr							
Selenium	10	2.6	anr							
Silicon	200	12								
Silver	10	.7	anr							
Sodium	10000	61	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	anr							
Tin	10	1.1	anr							
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	anr							
Zinc	20	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34313 Units: ug/l

Time:			13:50		14:58		16:04		17:11	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34313 Units: ug/l

Time:			17:54	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	6.3	3.1	<200
Antimony	6.0	1.6	anr	
Arsenic	3.0	1.1	anr	
Barium	200	.2	0.10	<200
Beryllium	1.0	.2	anr	
Bismuth	20	1.1		
Boron	100	1		
Cadmium	3.0	.2	anr	
Calcium	5000	8.7	0.0	<5000
Chromium	10	.4	anr	
Cobalt	50	.2	anr	
Copper	10	.7	anr	
Iron	100	5.1	3.8	<100
Lead	3.0	1.5	anr	
Lithium	20	.9		
Magnesium	5000	37	8.8	<5000
Manganese	15	.2	anr	
Molybdenum	20	.3		
Nickel	10	.4	anr	
Palladium	50	2.1		
Potassium	10000	32	anr	
Selenium	10	2.6	anr	
Silicon	200	12		
Silver	10	.7	anr	
Sodium	10000	61	anr	
Sulfur	50	4.1		
Strontium	10	.1		
Thallium	2.0	1.2	anr	
Tin	10	1.1	anr	
Titanium	10	.6		
Tungsten	50	4.3		
Vanadium	50	.3	anr	
Zinc	20	.5	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34313 Units: ug/l

Time:			17:54	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zirconium	10	.3		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		10:00	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	38900	97.3
Antimony	anr		
Arsenic	anr		
Barium	2000	1940	97.0
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	40000	40200	100.5
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	41800	104.5
Lead	anr		
Lithium			
Magnesium	40000	40300	100.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		10:00	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		09:41			11:27			12:36	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38400	96.0	40000	39600	99.0	40000	38800	97.0
Antimony	anr								
Arsenic	anr								
Barium	2000	1930	96.5	2000	1970	98.5	2000	1910	95.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	40000	40200	100.5	40000	40800	102.0	40000	40100	100.3
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	41900	104.8	40000	42500	106.3	40000	41600	104.0
Lead	anr								
Lithium									
Magnesium	40000	40600	101.5	40000	40900	102.3	40000	40000	100.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		09:41			11:27			12:36	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		13:44			14:52			15:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	38500	96.3	40000	38800	97.0
Antimony	anr								
Arsenic	anr								
Barium	2000	1940	97.0	2000	1890	94.5	2000	1910	95.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	40000	40900	102.3	40000	39900	99.8	40000	40000	100.0
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	41900	104.8	40000	40800	102.0	40000	40900	102.3
Lead	anr								
Lithium									
Magnesium	40000	40600	101.5	40000	39300	98.3	40000	39400	98.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		13:44			14:52			15:58	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		17:06			17:48	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39900	99.8
Antimony	anr					
Arsenic	anr					
Barium	2000	1950	97.5	2000	1960	98.0
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	40000	40400	101.0	40000	41500	103.8
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	40000	41300	103.3	40000	42000	105.0
Lead	anr					
Lithium						
Magnesium	40000	39900	99.8	40000	40800	102.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin	anr					
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34313 Units: ug/l

Time:		17:06			17:48	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34313 Units: ug/l

Time:				10:28		10:56		11:47	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA2		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	196	98.0	481	96.2	105	105.0
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	195	97.5			3.8	95.0
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000		1000	5060	101.2			1040	104.0
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		108	108.0	537	107.4		
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	5190	103.8			119	119.0
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			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34313 Units: ug/l

Time:				10:28		10:56		11:47	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA2		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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34313 Units: ug/l

Time:				17:18		17:24		17:30	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	210	105.0	95.9	95.9	484	96.8
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	197	98.5	3.8	95.0		
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000		1000	5100	102.0	1030	103.0		
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		109	109.0			532	106.4
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	5110	102.2	92.2	92.2		
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			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34313 Units: ug/l

Time:				17:18		17:24		17:30	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA3	
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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34313 Units: ug/l

Time:			11:02		11:09		17:36		17:42	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	501000	100.2	503000	100.6	503000	100.6	498000	99.6
Antimony		1000	5.9		1060	106.0	2.5		1060	106.0
Arsenic		1000	-3.5		1060	106.0	-4.5		1070	107.0
Barium		500	-1.5		502	100.4	-1.5		495	99.0
Beryllium		500	-0.10		505	101.0	-0.10		501	100.2
Bismuth		500	-15		540	108.0	-14		534	106.8
Boron			0.10		3.9		0.60		2.7	
Cadmium		1000	0.60		1020	102.0	0.80		1020	102.0
Calcium	400000	400000	392000	98.0	383000	95.8	393000	98.3	377000	94.3
Chromium		500	-0.10		460	92.0	0.90		477	95.4
Cobalt		500	0.50		482	96.4	0.90		477	95.4
Copper		500	-3.9		514	102.8	-4.5		527	105.4
Iron	200000	200000	191000	95.5	198000	99.0	187000	93.5	192000	96.0
Lead		1000	4.7		954	95.4	2.6		967	96.7
Lithium		500	3.7		536	107.2	3.7		525	105.0
Magnesium	500000	500000	538000	107.6	536000	107.2	527000	105.4	518000	103.6
Manganese		500	0.0		469	93.8	-1.5		492	98.4
Molybdenum		500	-2.1		502	100.4	-2.5		506	101.2
Nickel		1000	-2.1		968	96.8	-1.6		974	97.4
Palladium		500	1.2		546	109.2	1.3		550	110.0
Potassium			183		177		167		186	
Selenium		1000	-3.1		1070	107.0	-1.0		1090	109.0
Silicon			-7.9		-3.0		-7.3		-7.2	
Silver		1000	6.9		1020	102.0	0.0		1040	104.0
Sodium			-13		1.4		12.7		23.9	
Sulfur		500	-38		447	89.4	-28		448	89.6
Strontium			-5.5		-5.4		-5.5		-5.2	
Thallium		1000	-2.9		940	94.0	0.0		931	93.1
Tin			-2.9		-2.2		-4.9		-2.0	
Titanium			0.20		0.40		1.0		1.1	
Tungsten		500	12.5		533	106.6	10.7		538	107.6
Vanadium		500	1.3		468	93.6	2.0		489	97.8
Zinc		1000	-1.3		937	93.7	-1.5		940	94.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34313 Units: ug/l

Time:			11:02		11:09		17:36		17:42	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	1.6		550	110.0	0.60		562	112.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34315
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:41	MA34315-STD1	1		B=3.6110e-004,C=3.9579e-002,R=0.9996472
13:42	MA34315-STD2	1		STDB
13:44	MA34315-STD3	1		STDC
13:45	MA34315-STD4	1		STDD
13:46	MA34315-STD5	1		STDE
13:48	MA34315-STD6	1		STDF
14:37	MA34315-ICV1	1		
14:38	MA34315-ICB1	1		
14:39	MA34315-CCV1	1		
14:41	MA34315-CCB1	1		
14:42	MA34315-CRI1	1		
14:55	MP80285-MB1	1		
14:56	MP80285-LC1	1		
14:58	MP80285-S1	1		
14:59	MP80285-S2	1		
15:01	JB69485-1	1		(sample used for QC only; not part of login JB69534)
15:06	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:11	MA34315-CCV2	1		
15:12	MA34315-CCB2	1		
15:17	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:30	MA34315-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34315
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:31	MA34315-CCB3	1		
15:36	MA34315-CCV4	1		
15:37	MA34315-CCB4	1		
15:39	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:45	MP80286-MB1	1		
15:46	MP80286-LC1	1		
15:48	MP80286-S1	1		
15:49	MP80286-S2	1		
15:51	ZZZZZZ	1		
15:52	MA34315-CCV5	1		
15:54	MA34315-CCB5	1		
16:00	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:04	JB69560-15	1		(sample used for QC only; not part of login JB69534)
16:06	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:13	MA34315-CCV6	1		
16:15	MA34315-CCB6	1		
16:16	JB69534-6	1		
---------->	Last reportable sample/prep for job JB69534			
16:18	MP80287-MB1	1		
16:19	MP80287-B1	1		
16:20	MP80287-S1	1		
16:22	MP80287-S2	1		
16:23	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34315
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:25	JB69766-1A	1		(sample used for QC only; not part of login JB69534)
16:26	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:30	MA34315-CCV7	1		
16:31	MA34315-CCB7	1		
---------->	Last reportable CCB for job JB69534			
16:33	MP80195-MB2	1		
16:34	MP80195-LC1	1		
16:35	ZZZZZZ	1		
16:37	MP80200-MB2	1		
16:38	MP80200-LC1	1		
16:39	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:53	MA34315-CCV8	1		
16:55	MA34315-CCB8	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA34315 Units: ug/l

Time: / Sample ID:			14:38 ICB1		14:41 CCB1		15:12 CCB2		15:31 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.034	<0.20	-0.059	<0.20	-0.065	<0.20	-0.046	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA34315 Units: ug/l

Time: / Sample ID:			15:37 CCB4		15:54 CCB5		16:15 CCB6		16:31 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.042	<0.20	-0.060	<0.20	-0.053	<0.20	-0.053	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34315 Units: ug/l

Time:		14:37			14:39			15:11	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.8	93.3	2.5	2.6	104.0	2.5	2.7	108.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34315 Units: ug/l

Time:		15:30			15:36			15:52	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.7	108.0	2.5	2.4	96.0	2.5	2.3	92.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34315 Units: ug/l

Time:		16:13			16:30	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062514W1.CSV Date Analyzed: 06/25/14 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA34315 Units: ug/l

Time:			14:42	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.20	100.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.3
10

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	6.3	11	12.6	<200
Antimony	6.0	1.6	2.6	-1.3	<6.0
Arsenic	3.0	1.1	2.6	0.70	<3.0
Barium	200	.2	1	-0.30	<200
Beryllium	1.0	.2	.4	0.0	<1.0
Bismuth	20	1.1	2.4		
Boron	100	1	4.9		
Cadmium	3.0	.2	.7	0.0	<3.0
Calcium	5000	8.7	19	15.0	<5000
Chromium	10	.4	.89	0.60	<10
Cobalt	50	.2	.83	-0.20	<50
Copper	10	.7	1.2	1.8	<10
Iron	100	5.1	12	2.7	<100
Lead	3.0	1.5	1.3	-0.70	<3.0
Lithium	20	.9	2.8		
Magnesium	5000	37	41	-17	<5000
Manganese	15	.2	.48	0.0	<15
Molybdenum	20	.3	1.1		
Nickel	10	.4	.75	-0.20	<10
Palladium	50	2.1	3.2		
Potassium	10000	32	50	38.2	<10000
Selenium	10	2.6	3.6	0.90	<10
Silicon	200	12	24		
Silver	10	.7	1.2	-0.20	<10
Sodium	10000	61	19	5.5	<10000
Sulfur	50	4.1	10		
Strontium	10	.1	.76		
Thallium	2.0	1.2	1.8	-0.20	<2.0
Tin	10	1.1	3.6		
Titanium	10	.6	.93		
Tungsten	50	4.3	14		
Vanadium	50	.3	.87	-0.40	<50
Zinc	20	.5	7.6	1.6	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.3	1.9		

Associated samples MP80187: JB69534-6

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	JB69451-6F Original	MS	Spikelot MPIOW9	% Rec	QC Limits
Aluminum	117	2110	2000	99.7	75-125
Antimony	0.0	552	500	110.4	75-125
Arsenic	0.0	2160	2000	108.0	75-125
Barium	27.1	2080	2000	102.6	75-125
Beryllium	0.0	50.0	50	100.0	75-125
Bismuth					
Boron	anr				
Cadmium	0.20	60.4	50	120.4	75-125
Calcium	437000	460000	25000	92.0	75-125
Chromium	0.60	201	200	100.2	75-125
Cobalt	1.3	510	500	101.7	75-125
Copper	0.0	256	250	102.4	75-125
Iron	674	1670	1000	99.6	75-125
Lead	0.0	536	500	107.2	75-125
Lithium					
Magnesium	34700	59600	25000	99.6	75-125
Manganese	1420	1970	500	110.0	75-125
Molybdenum					
Nickel	0.50	516	500	103.1	75-125
Palladium					
Potassium	2150	27600	25000	101.8	75-125
Selenium	4.3	2260	2000	112.8	75-125
Silicon					
Silver	4.1	59.6	50	111.0	75-125
Sodium	111000	135000	25000	96.0	75-125
Sulfur					
Strontium					
Thallium	0.0	2160	2000	108.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium	1.6	501	500	99.9	75-125
Zinc	3.8	512	500	101.6	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	JB69451-6F Original MS	Spikelot MPIOW9	% Rec	QC Limits
Zirconium				

Associated samples MP80187: JB69534-6

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	JB69451-6F Original	MSD	Spikelot MPIOW9	% Rec	MSD RPD	QC Limit
Aluminum	117	2100	2000	99.2	0.5	20
Antimony	0.0	557	500	111.4	0.9	20
Arsenic	0.0	2170	2000	108.5	0.5	20
Barium	27.1	2070	2000	102.1	0.5	20
Beryllium	0.0	50.2	50	100.4	0.4	20
Bismuth						
Boron	anr					
Cadmium	0.20	60.7	50	121.0	0.5	20
Calcium	437000	467000	25000	120.0	1.5	20
Chromium	0.60	203	200	101.2	1.0	20
Cobalt	1.3	515	500	102.7	1.0	20
Copper	0.0	259	250	103.6	1.2	20
Iron	674	1680	1000	100.6	0.6	20
Lead	0.0	533	500	106.6	0.6	20
Lithium						
Magnesium	34700	60000	25000	101.2	0.7	20
Manganese	1420	2000	500	116.0	1.5	20
Molybdenum						
Nickel	0.50	522	500	104.3	1.2	20
Palladium						
Potassium	2150	27700	25000	102.2	0.4	20
Selenium	4.3	2270	2000	113.3	0.4	20
Silicon						
Silver	4.1	60.8	50	113.4	2.0	20
Sodium	111000	138000	25000	108.0	2.2	20
Sulfur						
Strontium						
Thallium	0.0	2180	2000	109.0	0.9	20
Tin						
Titanium						
Tungsten						
Vanadium	1.6	508	500	101.3	1.4	20
Zinc	3.8	518	500	102.8	1.2	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	JB69451-6F Original MSD	Spikelot MPIOW9	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP80187: JB69534-6

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/20/14				06/20/14	
Metal	BSP Result	Spikelot MPIOW9	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	1910	2000	95.5	80-120	4780	5000	95.6	80-120
Antimony	525	500	105.0	80-120	490	500	98.0	80-120
Arsenic	2160	2000	108.0	80-120	494	500	98.8	80-120
Barium	2000	2000	100.0	80-120	502	500	100.4	80-120
Beryllium	49.5	50	99.0	80-120	465	500	93.0	80-120
Bismuth								
Boron	anr							
Cadmium	57.8	50	115.6	80-120	489	500	97.8	80-120
Calcium	23500	25000	94.0	80-120	5390	5500	98.0	80-120
Chromium	207	200	103.5	80-120	501	500	100.2	80-120
Cobalt	506	500	101.2	80-120	476	500	95.2	80-120
Copper	255	250	102.0	80-120	485	500	97.0	80-120
Iron	989	1000	98.9	80-120	5270	5500	95.8	80-120
Lead	526	500	105.2	80-120	495	500	99.0	80-120
Lithium								
Magnesium	23700	25000	94.8	80-120	5070	5500	92.2	80-120
Manganese	531	500	106.2	80-120	517	500	103.4	80-120
Molybdenum								
Nickel	512	500	102.4	80-120	490	500	98.0	80-120
Palladium								
Potassium	23800	25000	95.2	80-120	9410	10000	94.1	80-120
Selenium	2170	2000	108.5	80-120	498	500	99.6	80-120
Silicon								
Silver	53.8	50	107.6	80-120	185	200	92.5	80-120
Sodium	24500	25000	98.0	80-120	9700	10000	97.0	80-120
Sulfur								
Strontium								
Thallium	2180	2000	109.0	80-120	518	500	103.6	80-120
Tin								
Titanium								
Tungsten								
Vanadium	504	500	100.8	80-120	486	500	97.2	80-120
Zinc	513	500	102.6	80-120	493	500	98.6	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				06/20/14				06/20/14
Metal	BSP Result	Spikelot MPIOW9	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Zirconium								

Associated samples MP80187: JB69534-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	JB69451-6F Original	SDL 1:5	%DIF	QC Limits
Aluminum	117	144	23.1 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	27.1	27.2	0.4	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron	anr			
Cadmium	0.200	0.00	100.0(a)	0-10
Calcium	437000	445000	1.9	0-10
Chromium	0.600	0.00	100.0(a)	0-10
Cobalt	1.30	1.00	23.1 (a)	0-10
Copper	0.00	0.00	NC	0-10
Iron	674	697	3.4	0-10
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	34700	34900	0.5	0-10
Manganese	1420	1440	1.4	0-10
Molybdenum				
Nickel	0.500	0.00	100.0(a)	0-10
Palladium				
Potassium	2150	2260	4.9	0-10
Selenium	4.30	0.00	100.0(a)	0-10
Silicon				
Silver	4.10	0.00	100.0(a)	0-10
Sodium	111000	109000	1.6	0-10
Sulfur				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	1.60	0.00	100.0(a)	0-10
Zinc	3.80	4.00	5.3	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80187
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/14

Metal	JB69451-6F Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP80187: JB69534-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/24/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	45	1.1	1.2	0.60	<45
Antimony	1.8	.11	.24	0.018	<1.8
Arsenic	1.8	.12	.26	0.045	<1.8
Barium	18	.033	.071	0.063	<18
Beryllium	0.18	.0089	.018	0.0	<0.18
Bismuth	1.8	.18	.21		
Boron	8.9	.067	.16		
Cadmium	0.45	.021	.045	0.0089	<0.45
Calcium	450	2.8	2.7	12.4	<450
Chromium	0.89	.045	.063	0.18	<0.89
Cobalt	4.5	.025	.054	0.018	<4.5
Copper	2.2	.06	.13	0.027	<2.2
Iron	45	.87	.86	4.1	<45
Lead	1.8	.092	.19	-0.0089	<1.8
Lithium	1.8	.11	.18		
Magnesium	450	3.4	3	2.0	<450
Manganese	1.3	.0089	.054	0.063	<1.3
Molybdenum	1.8	.035	.063		
Nickel	3.6	.029	.089	0.027	<3.6
Palladium	4.5	.14	.23		
Potassium	890	2.1	3.6	3.0	<890
Selenium	1.8	.2	.29	0.0089	<1.8
Silicon	18	.63	3.5		
Silver	0.45	.071	.13	0.0	<0.45
Sodium	890	.61	1.7	1.7	<890
Strontium	0.89	.012	.027		
Sulfur	4.5	.26	.92		
Thallium	0.89	.096	.37	-0.036	<0.89
Tin	4.5	.074	1.1		
Titanium	0.89	.035	.089		
Tungsten	4.5	.73	4		
Vanadium	4.5	.037	.08	0.0089	<4.5
Zinc	1.8	.44	.34	0.36	<1.8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/24/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	1.8	.047	.23		

Associated samples MP80244: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/24/14

Metal	JB69534-1 Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	6360	11500	5540	92.7	75-125
Antimony	0.17	65.9	103	64.0N(a)	75-125
Arsenic	2.5	397	411	96.1	75-125
Barium	69.3	473	411	98.3	75-125
Beryllium	0.70	10.4	10.3	94.5	75-125
Bismuth					
Boron					
Cadmium	0.13	9.7	10.3	93.2	75-125
Calcium	6790	6940	1280	11.7 (b)	75-125
Chromium	17.2	56.0	41.1	94.5	75-125
Cobalt	6.0	104	103	95.5	75-125
Copper	12.0	57.4	51.3	88.5	75-125
Iron	14100	18000	5340	73.1N(a)	75-125
Lead	51.7	131	103	77.3	75-125
Lithium					
Magnesium	6080	7270	1280	92.7	75-125
Manganese	280	359	103	77.0	75-125
Molybdenum					
Nickel	11.4	111	103	97.0	75-125
Palladium					
Potassium	1020	2260	1280	96.6	75-125
Selenium	1.2	401	411	97.4	75-125
Silicon					
Silver	1.1	10.7	10.3	93.5	75-125
Sodium	241	1480	1280	96.6	75-125
Strontium					
Sulfur					
Thallium	0.80	416	411	101.1	75-125
Tin					
Titanium					
Tungsten					
Vanadium	30.3	124	103	91.3	75-125
Zinc	44.8	142	103	94.7	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/24/14

Metal	JB69534-1 Original MS	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP80244: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/24/14

Metal	JB69534-1 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	6360	10400	5650	71.5N(a)	10.0	20
Antimony	0.17	63.8	105	60.8N(a)	3.2	20
Arsenic	2.5	407	418	96.7	2.5	20
Barium	69.3	466	418	94.8	1.5	20
Beryllium	0.70	10.6	10.5	94.7	1.9	20
Bismuth						
Boron						
Cadmium	0.13	10	10.5	94.4	3.0	20
Calcium	6790	7710	1310	70.4 (b)	10.5	20
Chromium	17.2	54.2	41.8	88.4	3.3	20
Cobalt	6.0	106	105	95.6	1.9	20
Copper	12.0	57.1	52.3	86.2	0.5	20
Iron	14100	15800	5440	31.3N(a)	13.0	20
Lead	51.7	173	105	116.0	27.6 (c)	20
Lithium						
Magnesium	6080	5980	1310	-7.6 (b)	19.5	20
Manganese	280	333	105	50.7N(a)	7.5	20
Molybdenum						
Nickel	11.4	111	105	95.2	0.0	20
Palladium						
Potassium	1020	2130	1310	84.9	5.9	20
Selenium	1.2	412	418	98.2	2.7	20
Silicon						
Silver	1.1	10.7	10.5	91.8	0.0	20
Sodium	241	1520	1310	97.8	2.7	20
Strontium						
Sulfur						
Thallium	0.80	428	418	102.1	2.8	20
Tin						
Titanium						
Tungsten						
Vanadium	30.3	122	105	87.7	1.6	20
Zinc	44.8	138	105	89.1	2.9	20

10.8.2 10

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ACCUTEST LABORATORIES
JB69534

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/24/14

Metal	JB69534-1 Original MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP80244: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			06/24/14				06/24/14	
Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits	LCS Result	Spikelot MPLC54082	% Rec	QC Limits
Aluminum	4860	5000	97.2	80-120	8240	8740	94.3	54-146
Antimony	91.3	92.6	98.6	80-120	81.1	108	75.1	2-215
Arsenic	374	370	101.0	80-120	152	151	100.7	81-120
Barium	377	370	101.8	80-120	261	262	99.6	83-117
Beryllium	9.5	9.26	102.6	80-120	130	133	97.7	82-118
Bismuth								
Boron								
Cadmium	9.2	9.26	99.4	80-120	150	152	98.7	82-118
Calcium	1190	1160	102.8	80-120	6210	6400	97.0	82-118
Chromium	38.7	37	104.5	80-120	117	117	100.0	79-121
Cobalt	93.4	92.6	100.9	80-120	71.9	68.7	104.7	83-117
Copper	44.3	46.3	95.7	80-120	65.7	68.6	95.8	81-119
Iron	4940	4810	102.6	80-120	11700	12300	95.1	40-160
Lead	96.7	92.6	104.4	80-120	265	254	104.3	81-119
Lithium								
Magnesium	1210	1160	104.5	80-120	3490	3600	96.9	77-123
Manganese	97.0	92.6	104.8	80-120	545	563	96.8	81-118
Molybdenum								
Nickel	94.3	92.6	101.8	80-120	328	315	104.1	82-118
Palladium								
Potassium	1170	1160	101.1	80-120	2960	3040	97.4	70-130
Selenium	382	370	103.1	80-120	169	162	104.3	77-122
Silicon								
Silver	9.2	9.26	99.4	80-120	43.8	44.3	98.9	74-126
Sodium	1210	1160	104.5	80-120	740	746	99.2	72-128
Strontium								
Sulfur								
Thallium	403	370	108.8	80-120	286	259	110.4	79-122
Tin								
Titanium								
Tungsten								
Vanadium	93.4	92.6	100.9	80-120	113	116	97.4	77-122
Zinc	94.1	92.6	101.6	80-120	301	306	98.4	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:				06/24/14				06/24/14
Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits	LCS Result	Spikelot MPLC54082	% Rec	QC Limits
Zirconium								

Associated samples MP80244: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/24/14

Metal	JB69534-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	63100	65200	3.3	0-10
Antimony	1.70	0.00	100.0(a)	0-10
Arsenic	25.0	30.2	20.8 (a)	0-10
Barium	687	713	3.7	0-10
Beryllium	6.90	7.20	4.3	0-10
Bismuth				
Boron				
Cadmium	1.30	0.00	100.0(a)	0-10
Calcium	67300	71500	6.2	0-10
Chromium	170	183	7.6	0-10
Cobalt	59.9	61.1	2.0	0-10
Copper	119	117	1.4	0-10
Iron	140000	152000	9.0	0-10
Lead	513	533	3.9	0-10
Lithium				
Magnesium	60300	63000	4.5	0-10
Manganese	2780	3010	8.3	0-10
Molybdenum				
Nickel	113	116	1.9	0-10
Palladium				
Potassium	10100	10300	1.7	0-10
Selenium	12.3	0.00	100.0(a)	0-10
Silicon				
Silver	11.1	13.9	25.2 (a)	0-10
Sodium	2400	2430	1.3	0-10
Strontium				
Sulfur				
Thallium	7.90	10.2	29.1 (a)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	301	318	5.7	0-10
Zinc	445	491	10.2*(b)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80244 Methods: SW846 6010C
Matrix Type: SOLID Units: ug/l

Prep Date: 06/24/14

Metal	JB69534-1 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP80244: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) High rpd due to possible sample nonhomogeneity.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80262 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/25/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.004	.0075	0.00085	<0.033

Associated samples MP80262: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80262
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/25/14

Metal	JB69534-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.098	0.41	0.324	96.3	75-125

Associated samples MP80262: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80262 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/25/14

Metal	JB69534-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.098	0.42	0.334	96.3	2.4	20

Associated samples MP80262: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80262
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/25/14

Metal	LCS Result	Spikelot HGLCS54082	% Rec	QC Limits
Mercury	5.4	5.76	93.8	71-129

Associated samples MP80262: JB69534-1, JB69534-2, JB69534-3, JB69534-4, JB69534-5, JB69534-8, JB69534-9, JB69534-10

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80286
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/25/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.031	.064	0.079	<0.20

Associated samples MP80286: JB69534-6

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80286
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/25/14

Metal	JB69560-15 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.063	2.0	2	96.9	75-125

Associated samples MP80286: JB69534-6

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: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80286 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/25/14

Metal	JB69560-15 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.063	2.5	2	121.9	22.2 (a)	20

Associated samples MP80286: JB69534-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69534
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80286
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/25/14

Metal	LCS Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP80286: JB69534-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG7 **Effective Date:** 05/20/14

Analyte	IDL ug/l
Mercury	.02387

The above applies to the following instrument runs:
MA34307

Instrument Detection Limits

Job Number: JB69534
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:
MA34315

Instrument Detection Limits

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE3 **Effective Date:** 06/24/14

Analyte	IDL ug/l
Aluminum	12
Antimony	1.24
Arsenic	1.34
Barium	.37
Beryllium	.1
Bismuth	2
Boron	.75
Cadmium	.23
Calcium	31.66
Chromium	.5
Cobalt	.28
Copper	.67
Iron	9.71
Lead	1.03
Lithium	1.26
Magnesium	37.6
Manganese	.1
Molybdenum	.39
Nickel	.32
Palladium	1.57
Potassium	23
Selenium	2.23
Silicon	7.02
Silver	.8
Sodium	6.83
Sulfur	2.92
Strontium	.13
Thallium	1.07
Tin	.83
Titanium	.39
Tungsten	8.15
Vanadium	.41
Zinc	4.91
Zirconium	.53

The above applies to the following instrument runs:
MA34311

Instrument Detection Limits

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE4 **Effective Date:** 06/19/14

Analyte	IDL ug/l
Aluminum	6.3
Antimony	1.6
Arsenic	1.1
Barium	.2
Beryllium	.2
Bismuth	1.1
Boron	1
Cadmium	.2
Calcium	8.7
Chromium	.4
Cobalt	.2
Copper	.7
Iron	5.1
Lead	1.5
Lithium	.9
Magnesium	37
Manganese	.2
Molybdenum	.3
Nickel	.4
Palladium	2.1
Potassium	32.3
Selenium	2.6
Silicon	12.2
Silver	.7
Sodium	61.3
Sulfur	4.1
Strontium	.1
Thallium	1.2
Tin	1.1
Titanium	.6
Tungsten	4.3
Vanadium	.3
Zinc	.5
Zirconium	.3

The above applies to the following instrument runs:
MA34289,MA34299,MA34313

Instrument Linear Ranges

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG7 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34307

Instrument Linear Ranges

Job Number: JB69534
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:
MA34315

Instrument Linear Ranges

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE3 **Effective Date:** 06/24/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	50000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	500000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	500000
Lead	50000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	25000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Sulfur	100000
Strontium	50000
Thallium	50000
Tin	50000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	50000

The above applies to the following instrument runs:
MA34311

Instrument Linear Ranges

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE4 **Effective Date:** 02/26/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	400000
Lead	50000
Lithium	50000
Magnesium	500000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	500000
Sulfur	100000
Strontium	50000
Thallium	50000
Tin	50000
Titanium	50000
Tungsten	25000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34289,MA34299,MA34313

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/20/2014 11:22:43 Type: Cal
Method: Accutest1(v281) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0072**	**-.0002**	**.0005**	**-.0000**	**-.0000**	**.0023**	**-.0000**	**.0001**	**-.0001**
Stddev	.0006	.0001	.0000	.0000	.0000	.0001	.0000	.0002	.0000
%RSD	8.118	38.53	6.475	171.2	625.3	3.844	139.5	192.8	34.25
#1	.0067	-.0003	.0005	.0000	-.0000	.0024	-.0000	-.0000	-.0001
#2	.0076	-.0001	.0005	-.0000	.0000	.0023	-.0000	.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	**.0001**	**.0005**	**-.0002**	**-.0001**	**.0001**	**.0005**	**-.0002**	**.0002**	**.0027**
Stddev	.0000	.0000	.0002	.0000	.0001	.0000	.0001	.0002	.0002
%RSD	52.73	2.538	73.15	88.62	113.4	5.421	26.20	146.6	7.593
#1	.0000	.0005	-.0004	-.0001	.0000	.0005	-.0002	.0003	.0026
#2	.0001	.0005	-.0001	-.0000	.0002	.0005	-.0003	-.0000	.0029

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0000**	**-.0008**	**.0021**	**.0006**	**.0003**	**-.0002**	**.0038**	**.0001**
Stddev	.0000	.0001	.0004	.0006	.0000	.0000	.0000	.0002	.0000
%RSD	59.98	182.5	55.40	29.62	.4679	14.97	5.147	6.099	28.54
#1	.0000	-.0001	-.0010	.0016	.0006	.0003	-.0002	.0040	.0001
#2	.0001	.0000	-.0005	.0025	.0006	.0004	-.0002	.0036	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0011**	**-.0001**	**.0048**	**-.0001**	**.0019**	**-.0003**	**.0017**
Stddev	.0003	.0000	.0002	.0000	.0000	.0002	.0006
%RSD	26.77	38.99	4.203	5.873	.9008	63.80	34.37
#1	-.0009	-.0001	.0046	-.0002	.0019	-.0005	.0013
#2	-.0013	-.0001	.0049	-.0001	.0019	-.0002	.0021

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/20/2014 11:22:43 Type: Cal
Method: Accutest1(v281) 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	**59854.**	**8801.3**	**1907.6**	**4099.8**
Stddev	3082.	219.7	27.3	48.9
%RSD	5.1486	2.4959	1.4304	1.1919
#1	57675.	8956.7	1888.3	4065.3
#2	62033.	8646.0	1926.9	4134.4

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/20/2014 11:28:50 Type: Cal
Method: Accutest1(v281) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.51**	**6.512**	**4.303**	**2.119**	**.3267**	**.8987**	**1.745**	**1.502**	**.0552**
Stddev	.01	.002	.014	.006	.0005	.0007	.002	.004	.0002
%RSD	.1207	.0228	.3269	.2960	.1607	.0812	.0921	.2679	.2738
#1	11.52	6.513	4.293	2.114	.3270	.8982	1.746	1.499	.0551
#2	11.50	6.511	4.313	2.123	.3263	.8992	1.744	1.504	.0553

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	**.4058**	**3.769**	**.4446**	**.2230**	**.6071**	**.3372**	**.8209**	**3.383**	**3.297**
Stddev	.0007	.004	.0007	.0008	.0013	.0012	.0028	.007	.010
%RSD	.1620	.1018	.1527	.3658	.2153	.3452	.3367	.1938	.2917
#1	.4062	3.766	.4441	.2225	.6062	.3364	.8190	3.379	3.290
#2	.4053	3.772	.4451	.2236	.6080	.3380	.8229	3.388	3.303

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	**2.141**	**.2596**	**5.449**	**17.43**	**1.074**	**3.559**	**.1730**	**2.884**	**.6498**
Stddev	.007	.0006	.006	.01	.004	.008	.0002	.009	.0022
%RSD	.3146	.2222	.1045	.0391	.3553	.2231	.1422	.3018	.3321
#1	2.136	.2592	5.453	17.42	1.071	3.553	.1728	2.878	.6483
#2	2.145	.2600	5.445	17.43	1.076	3.564	.1731	2.890	.6514

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	**21.38**	**.4750**	**1.569**	**1.103**	**.2212**	**1.103**	**6.007**
Stddev	.01	.0002	.013	.001	.0010	.005	.005
%RSD	.0604	.0369	.8319	.0735	.4656	.5001	.0850
#1	21.39	.4751	1.560	1.104	.2204	1.100	6.011
#2	21.37	.4749	1.578	1.103	.2219	1.107	6.004

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/20/2014 11:28:50 Type: Cal
Method: Accutest1(v281) 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	**52912.**	**8432.5**	**1724.7**	**3441.5**
Stddev	81.	12.7	4.4	10.2
%RSD	.15333	.15001	.25235	.29700
#1	52855.	8441.5	1727.8	3448.8
#2	52969.	8423.6	1721.7	3434.3

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/20/2014 11:34:43 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.008**	**2.018**	**2.017**	**2.038**	**1.958**	**2.047**	**2.057**	**.2409**
Stddev	.001	.000	.010	.012	.013	.002	.002	.012	.0010
%RSD	.0339	.0153	.4880	.5949	.6399	.0865	.0840	.5800	.4343
#1	1.999	2.008	2.011	2.009	2.028	1.957	2.046	2.048	.2402
#2	1.998	2.007	2.025	2.026	2.047	1.959	2.049	2.065	.2417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.991**	**2.059**	**1.997**	**2.096**	**2.077**	**1.997**	**2.015**	**39.25**	**39.88**
Stddev	.011	.011	.010	.012	.012	.009	.009	.05	.12
%RSD	.5412	.5371	.4837	.5849	.5704	.4713	.4607	.1232	.2904
#1	1.984	2.052	1.990	2.088	2.069	1.990	2.008	39.22	39.96
#2	1.999	2.067	2.004	2.105	2.085	2.004	2.021	39.29	39.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.09**	**39.08**	**38.76**	**39.20**	**2.048**	**2.042**	**1.991**	**4.939**	**2.075**
Stddev	.02	.10	.05	.02	.013	.012	.005	.039	.012
%RSD	.0423	.2460	.1183	.0470	.6248	.5857	.2740	.7833	.5971
#1	40.10	39.14	38.73	39.19	2.039	2.034	1.987	4.912	2.066
#2	40.08	39.01	38.79	39.22	2.057	2.051	1.995	4.967	2.083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/20/2014 11:34:43 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**2.017**	**2.001**	**2.005**	**1.944**	**1.993**	**1.942**
Stddev	.000	.002	.018	.008	.014	.011	.001
%RSD	.0091	.1024	.9212	.4012	.7120	.5281	.0356
#1	2.010	2.016	1.988	1.999	1.934	1.985	1.942
#2	2.010	2.019	2.014	2.010	1.954	2.000	1.941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55523.**	**8649.5**	**1806.4**	**3641.0**
Stddev	231.	31.1	8.6	17.1
%RSD	.41574	.35975	.47672	.46932
#1	55686.	8627.5	1812.5	3653.1
#2	55359.	8671.5	1800.3	3628.9

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/20/2014 11:40:38 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0000**	**-.0001**	**.0001**	**.0001**	**.0001**	**-.0000**	**-.0001**
Stddev	.0000	.0001	.0001	.0001	.0001	.0002	.0000	.0002
%RSD	51.05	193.8	197.5	106.2	90.86	233.0	113.1	160.9
#1	.0001	.0000	.0000	.0002	.0001	-.0000	-.0000	-.0002
#2	.0000	-.0001	-.0002	.0000	.0002	.0002	-.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0001**	**.0001**	**-.0002**	**-.0011**	**-.0006**	**-.0000**	**-.0002**
Stddev	.0007	.0001	.0001	.0004	.0008	.0002	.0001	.0001
%RSD	12960.	76.88	49.63	148.9	77.05	33.05	226.8	63.52
#1	.0005	-.0000	.0002	.0000	-.0017	-.0007	-.0001	-.0003
#2	-.0005	-.0002	.0001	-.0005	-.0005	-.0004	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**-.0045**	**.0010**	**.0340**	**.0650**	**.0164**	**.0005**	**.0008**
Stddev	.0014	.0021	.0000	.0301	.0052	.0009	.0000	.0002
%RSD	61.86	47.29	4.921	88.61	8.065	5.469	3.629	27.79
#1	-.0013	-.0060	.0009	.0127	.0687	.0157	.0005	.0007
#2	-.0033	-.0030	.0010	.0553	.0613	.0170	.0005	.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: ccbconf Acquired: 6/20/2014 11:40:38 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0002**	**.0009**	**.0001**	**-.0001**	W **.0249**	**.0008**	**-.0018**
Stddev	.0010	.0001	.0000	.0001	.0007	.0027	.0003	.0011
%RSD	175.9	58.11	4.621	77.25	1200.	10.80	30.66	61.54
#1	.0013	.0001	.0008	.0001	.0004	.0268	.0006	-.0010
#2	-.0001	.0002	.0009	.0000	-.0005	.0230	.0010	-.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit						.0159		
Low Limit						-.0159		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**.0011**
Stddev	.0004	.0003
%RSD	238.7	24.28
#1	-.0005	.0009
#2	.0001	.0013
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58257.**	**8653.8**	**1887.5**	**4059.4**
Stddev	851.	40.6	10.5	23.7
%RSD	1.4616	.46911	.55570	.58316
#1	58859.	8625.1	1895.0	4076.2
#2	57654.	8682.5	1880.1	4042.7

Zoom In Zoom Out

Sample Name: criconf Acquired: 6/20/2014 11:46:49 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2028**	**.0020**	**.0034**	**.0507**	**.0114**	**.0106**	**.0160**	**.0102**	**.0051**
Stddev	.0003	.0000	.0001	.0002	.0001	.0004	.0001	.0003	.0000
%RSD	.1266	.6524	2.697	.3859	1.009	3.889	.5929	3.266	.7711
#1	.2030	.0020	.0035	.0506	.0115	.0103	.0160	.0105	.0051
#2	.2026	.0020	.0034	.0509	.0113	.0109	.0159	.0100	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0535**	**.0239**	**.0080**	**.0104**	F **.0020**	**.0109**	**.0053**	**.2074**	**4.995**
Stddev	.0006	.0000	.0004	.0016	.0005	.0004	.0005	.0022	.006
%RSD	1.150	.0528	4.621	15.79	26.33	3.603	10.28	1.067	.1233
#1	.0540	.0239	.0083	.0115	.0016	.0106	.0049	.2090	5.000
#2	.0531	.0240	.0077	.0092	.0024	.0111	.0057	.2059	4.991
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**	**4.908**	**4.832**	**4.973**	**.1055**	**.0211**	**.0555**	**.2082**	**.0109**
Stddev	.0026	.014	.005	.010	.0002	.0000	.0003	.0007	.0000
%RSD	2.341	.2839	.1085	.1960	.2012	.0723	.5275	.3552	.2684
#1	.1118	4.898	4.828	4.980	.1054	.0211	.0553	.2077	.0109
#2	.1082	4.918	4.835	4.966	.1057	.0211	.0557	.2087	.0109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: criconf Acquired: 6/20/2014 11:46:49 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0105**	**.0600**	**.0106**	**.0423**	**.0211**	**.0209**
Stddev	.0000	.0003	.0010	.0001	.0006	.0004	.0002
%RSD	.2408	2.615	1.717	.9559	1.482	1.839	.7258
#1	.0106	.0103	.0608	.0106	.0419	.0209	.0210
#2	.0106	.0107	.0593	.0105	.0427	.0214	.0208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58587.**	**8783.0**	**1904.0**	**4028.9**
Stddev	180.	42.4	3.0	2.6
%RSD	.30709	.48291	.15752	.06373
#1	58714.	8753.0	1906.1	4030.7
#2	58460.	8813.0	1901.9	4027.1

Zoom In Zoom Out

Sample Name: icv Acquired: 6/20/2014 11:54:18 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**2.010**	**2.023**	**2.021**	**2.042**	**1.963**	**2.045**	**2.067**	**.2402**
Stddev	.010	.008	.022	.020	.005	.004	.009	.021	.0011
%RSD	.4978	.3860	1.097	.9936	.2422	.2021	.4158	1.004	.4457
#1	2.012	2.018	2.000	2.001	2.044	1.959	2.047	2.045	.2394
#2	1.994	2.004	2.044	2.041	2.046	1.965	2.052	2.086	.2398
#3	1.994	2.007	2.024	2.022	2.036	1.967	2.036	2.070	.2414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.059**	**1.991**	**2.098**	**2.083**	**1.993**	**2.026**	**39.60**	**39.97**
Stddev	.004	.022	.024	.022	.026	.026	.022	.13	.10
%RSD	.2187	1.064	1.197	1.065	1.266	1.301	1.080	.3339	.2492
#1	1.993	2.037	1.967	2.076	2.056	1.968	2.002	39.75	40.08
#2	2.001	2.081	2.015	2.121	2.109	2.019	2.045	39.55	39.94
#3	1.994	2.061	1.991	2.097	2.083	1.992	2.031	39.50	39.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.28**	**39.01**	**38.88**	**39.45**	**2.059**	**2.045**	**1.991**	**4.972**	**2.087**
Stddev	.20	.16	.14	.16	.020	.023	.003	.058	.024
%RSD	.4847	.4079	.3592	.4046	.9764	1.124	.1608	1.159	1.168
#1	40.49	39.04	39.04	39.63	2.037	2.022	1.993	4.914	2.061
#2	40.26	39.15	38.78	39.33	2.077	2.068	1.992	5.029	2.110
#3	40.10	38.83	38.81	39.38	2.062	2.045	1.987	4.974	2.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/20/2014 11:54:18 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.021**	**2.017**	**2.001**	**2.011**	**1.945**	**1.995**	**1.938**
Stddev	.009	.006	.027	.002	.013	.023	.010
%RSD	.4431	.2761	1.343	.1147	.6632	1.160	.5064
#1	2.031	2.017	1.970	2.008	1.932	1.972	1.949
#2	2.017	2.023	2.015	2.013	1.958	2.018	1.931
#3	2.014	2.012	2.018	2.010	1.945	1.996	1.934
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	**55374.**	**8655.1**	**1803.1**	**3631.9**
Stddev	43.	5.3	17.0	31.1
%RSD	.07737	.06145	.94084	.85550
#1	55423.	8653.9	1820.5	3663.2
#2	55343.	8650.5	1786.6	3601.1
#3	55357.	8660.9	1802.3	3631.5

Zoom In Zoom Out

Sample Name: icb Acquired: 6/20/2014 12:04:45 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**.0002**	**.0000**	**-.0001**	**.0001**
Stddev	.0002	.0001	.0000	.0001	.0004	.0002	.0000	.0000	.0003
%RSD	95.52	41.16	3.717	107.1	141.1	66.75	216.4	19.55	393.6
#1	.0003	-.0001	.0000	-.0001	.0000	.0001	-.0000	-.0001	.0003
#2	.0001	-.0002	.0000	-.0000	.0006	.0004	.0000	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0005**	**-.0012**	**-.0002**	**.0003**	**-.0001**	**-.0034**	**-.0007**
Stddev	.0000	.0000	.0004	.0002	.0003	.0007	.0008	.0040	.0024
%RSD	23.01	134.7	87.41	16.89	141.5	216.5	767.3	115.9	357.5
#1	-.0002	.0000	.0008	-.0010	.0000	-.0002	-.0007	-.0062	.0010
#2	-.0001	.0000	.0002	-.0013	-.0005	.0009	.0005	-.0006	-.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	**.0008**	**-.0190**	**.0373**	**.0110**	**.0005**	**.0005**	**-.0004**	**.0002**	**.0006**
Stddev	.0001	.0336	.0086	.0012	.0004	.0001	.0000	.0003	.0004
%RSD	7.517	177.1	22.94	10.98	83.03	20.10	1.245	123.5	60.87
#1	.0008	.0048	.0434	.0101	.0007	.0004	-.0004	.0000	.0003
#2	.0007	-.0427	.0313	.0118	.0002	.0005	-.0004	.0004	.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: icb Acquired: 6/20/2014 12:04:45 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0166**	**.0005**	**-.0039**	**-.0005**	**.0011**
Stddev	.0001	.0005	.0008	.0001	.0013	.0005	.0004
%RSD	90.82	945.6	4.937	21.11	32.45	94.05	37.29
#1	.0001	-.0004	.0171	.0006	-.0048	-.0009	.0008
#2	.0000	.0003	.0160	.0005	-.0030	-.0002	.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	**58346.**	**8592.0**	**1892.1**	**4064.6**
Stddev	422.	70.7	9.1	13.7
%RSD	.72244	.82318	.48188	.33582
#1	58048.	8542.0	1898.5	4074.2
#2	58644.	8642.1	1885.6	4054.9

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/20/2014 12:10:31 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.032**	**2.041**	**2.043**	**2.079**	**2.002**	**2.081**	**2.089**	**.2451**
Stddev	.003	.002	.003	.001	.003	.003	.002	.002	.0007
%RSD	.1398	.1054	.1605	.0703	.1658	.1304	.1061	.0770	.2877
#1	2.017	2.029	2.043	2.042	2.083	2.000	2.080	2.086	.2452
#2	2.017	2.033	2.039	2.042	2.077	2.000	2.084	2.089	.2443
#3	2.022	2.031	2.045	2.045	2.076	2.002	2.081	2.090	.2449
#4	2.022	2.034	2.038	2.042	2.080	2.006	2.079	2.090	.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.084**	**2.013**	F **2.120**	F **2.104**	**2.017**	**2.048**	**40.01**	**40.56**
Stddev	.003	.004	.002	.001	.002	.004	.004	.11	.11
%RSD	.1510	.1997	.1184	.0362	.0870	.1969	.1799	.2693	.2764
#1	2.031	2.087	2.010	2.119	2.107	2.015	2.046	39.86	40.40
#2	2.025	2.088	2.016	2.120	2.103	2.012	2.044	40.01	40.65
#3	2.024	2.082	2.014	2.120	2.103	2.019	2.052	40.09	40.56
#4	2.025	2.079	2.012	2.120	2.104	2.021	2.050	40.09	40.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000	2.000				
Range				5.000%	5.000%				

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/20/2014 12:10:31 Type: QC
Method: Accutest1(v281) 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	**40.77**	**39.72**	**39.26**	**39.82**	**2.078**	**2.065**	**2.031**	**5.020**	F **2.106**
Stddev	.12	.18	.08	.10	.005	.001	.005	.003	.003
%RSD	.2853	.4626	.1987	.2604	.2391	.0531	.2249	.0669	.1286
#1	40.63	39.55	39.17	39.70	2.076	2.066	2.033	5.020	2.107
#2	40.88	39.98	39.22	39.78	2.074	2.064	2.028	5.016	2.102
#3	40.72	39.71	39.27	39.91	2.085	2.064	2.027	5.024	2.109
#4	40.85	39.65	39.36	39.90	2.078	2.064	2.037	5.020	2.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									2.000
Range									5.000%

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.055**	**2.028**	**2.049**	**1.965**	**2.016**	**1.962**
Stddev	.004	.001	.007	.003	.001	.001	.004
%RSD	.1882	.0536	.3696	.1533	.0466	.0517	.2213
#1	2.039	2.054	2.018	2.051	1.965	2.015	1.961
#2	2.040	2.056	2.027	2.046	1.965	2.015	1.956
#3	2.047	2.056	2.034	2.046	1.963	2.015	1.966
#4	2.043	2.054	2.034	2.051	1.965	2.017	1.964
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: 6/20/2014 12:10:31 Type: QC
Method: Accutest1(v281) 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	**54637.**	**8505.8**	**1791.7**	**3608.5**
Stddev	46.	24.6	2.9	6.4
%RSD	.08505	.28883	.15931	.17637
#1	54577.	8539.9	1791.6	3611.1
#2	54659.	8483.4	1795.2	3615.6
#3	54625.	8505.9	1788.2	3600.8
#4	54684.	8493.8	1791.9	3606.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 12:24:40 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**.0000**	**.0000**	**.0003**	**.0005**	**.0000**	**-.0002**	**.0005**
Stddev	.0001	.0000	.0001	.0002	.0000	.0000	.0000	.0001	.0010
%RSD	64.34	26.36	245.0	17080.	2.268	4.677	52.15	72.48	191.2
#1	.0001	-.0000	-.0000	.0001	.0003	.0005	.0000	-.0001	-.0002
#2	.0001	-.0000	.0001	-.0001	.0003	.0005	.0000	-.0003	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0001**	**.0006**	**-.0013**	**-.0004**	**-.0008**	**.0004**	**.0022**	**.0030**
Stddev	.0002	.0002	.0016	.0009	.0002	.0004	.0001	.0025	.0026
%RSD	60.14	161.9	276.7	71.91	60.64	51.86	21.01	116.6	86.70
#1	-.0004	.0003	.0017	-.0019	-.0002	-.0011	.0005	.0004	.0012
#2	-.0002	-.0000	-.0005	-.0006	-.0005	-.0005	.0004	.0040	.0049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**-.0236**	**.0544**	**.0126**	**.0007**	**.0004**	**-.0006**	**.0003**	**.0001**
Stddev	.0020	.0107	.0009	.0034	.0004	.0000	.0002	.0008	.0005
%RSD	86.52	45.48	1.681	27.14	55.47	8.832	43.60	261.1	383.8
#1	.0009	-.0160	.0538	.0150	.0004	.0003	-.0004	-.0003	.0005
#2	.0037	-.0312	.0551	.0102	.0010	.0004	-.0007	.0009	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 12:24:40 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0147**	**.0004**	**-.0042**	**.0007**	**.0005**
Stddev	.0000	.0000	.0009	.0001	.0033	.0003	.0003
%RSD	10.20	11.27	6.174	20.46	78.05	34.04	52.21
#1	.0001	.0003	.0154	.0005	-.0019	.0006	.0003
#2	.0002	.0003	.0141	.0004	-.0066	.0009	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58556.**	**8693.8**	**1919.4**	**4114.3**
Stddev	119.	29.1	14.7	33.3
%RSD	.20371	.33422	.76426	.80848
#1	58472.	8673.2	1929.7	4137.8
#2	58640.	8714.3	1909.0	4090.8

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/20/2014 12:30:42 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2035**	**.0022**	**.0035**	**.0518**	**.0093**	**.0069**	**.0134**	**.0104**	**.0045**
Stddev	.0014	.0002	.0002	.0020	.0026	.0050	.0039	.0001	.0011
%RSD	.6666	8.280	4.511	3.814	28.24	73.29	28.86	.5287	24.10
#1	.2025	.0021	.0036	.0504	.0112	.0104	.0162	.0105	.0052
#2	.2044	.0023	.0034	.0532	.0075	.0033	.0107	.0104	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0446**	**.0244**	**.0095**	**.0108**	**.0032**	**.0138**	**.0058**	**.2044**	**5.003**
Stddev	.0137	.0009	.0020	.0010	.0007	.0036	.0019	.0051	.028
%RSD	30.78	3.535	20.71	8.871	22.56	25.82	32.42	2.507	.5602
#1	.0543	.0238	.0081	.0101	.0027	.0113	.0045	.2007	4.983
#2	.0349	.0250	.0109	.0115	.0037	.0164	.0071	.2080	5.023

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1126**	**4.909**	**4.853**	**4.993**	**.1065**	**.0214**	**.0462**	**.2110**	**.0112**
Stddev	.0023	.002	.018	.026	.0041	.0007	.0137	.0088	.0004
%RSD	2.067	.0409	.3739	.5221	3.874	3.108	29.66	4.181	3.459
#1	.1143	4.907	4.840	4.975	.1036	.0209	.0559	.2048	.0110
#2	.1110	4.910	4.866	5.012	.1094	.0219	.0365	.2173	.0115

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0109**	**.0088**	**.0600**	**.0090**	**.0472**	**.0213**	**.0204**
Stddev	.0002	.0022	.0021	.0024	.0033	.0007	.0008
%RSD	1.472	25.36	3.547	26.58	6.912	3.496	3.938
#1	.0108	.0104	.0585	.0107	.0449	.0207	.0198
#2	.0110	.0072	.0615	.0073	.0496	.0218	.0209

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**8750.9**	**1886.9**	**3993.0**
Stddev	-----	8.3	54.2	112.8
%RSD	-----	.09454	2.8702	2.8250
#1	58137.	8745.0	1925.2	4072.7
#2	-----	8756.7	1848.6	3913.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 12:36:50 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2074**	**.0021**	**.0035**	**.0513**	**.0114**	**.0107**	**.0163**	**.0104**	**.0054**
Stddev	.0009	.0002	.0001	.0000	.0004	.0000	.0000	.0001	.0001
%RSD	.4387	10.11	2.612	.0786	3.537	.3292	.0827	.7034	2.567
#1	.2080	.0019	.0034	.0514	.0116	.0107	.0163	.0103	.0055
#2	.2068	.0022	.0035	.0513	.0111	.0106	.0163	.0104	.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	**.0540**	**.0245**	**.0088**	**.0108**	**.0026**	**.0110**	**.0052**	**.2088**	**5.101**
Stddev	.0003	.0000	.0000	.0011	.0012	.0024	.0008	.0064	.030
%RSD	.5897	.1172	.4325	9.964	48.14	21.61	14.56	3.058	.5858
#1	.0543	.0245	.0089	.0115	.0017	.0094	.0057	.2134	5.122
#2	.0538	.0245	.0088	.0100	.0035	.0127	.0046	.2043	5.080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1108**	**5.012**	**4.918**	**5.087**	**.1068**	**.0212**	**.0568**	**.2118**	**.0111**
Stddev	.0029	.096	.018	.002	.0001	.0003	.0010	.0015	.0004
%RSD	2.603	1.911	.3565	.0472	.1231	1.430	1.747	.6913	3.676
#1	.1129	5.080	4.930	5.088	.1067	.0214	.0561	.2128	.0108
#2	.1088	4.945	4.906	5.085	.1069	.0209	.0575	.2107	.0114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 12:36:50 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0109**	**.0111**	**.0552**	**.0107**	**.0453**	**.0207**	**.0216**
Stddev	.0001	.0006	.0012	.0002	.0017	.0007	.0006
%RSD	.7782	5.315	2.206	1.701	3.862	3.382	2.915
#1	.0108	.0107	.0543	.0108	.0440	.0212	.0220
#2	.0110	.0115	.0561	.0106	.0465	.0202	.0211
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	**57711.**	**8638.4**	**1883.6**	**3979.8**
Stddev	137.	47.3	5.6	7.2
%RSD	.23680	.54722	.29716	.18216
#1	57808.	8605.0	1879.7	3974.7
#2	57615.	8671.8	1887.6	3985.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 12:42:59 Type: QC
Method: Accutest1(v281) 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**	**.0009**	**.0011**	**.0033**	**.0022**	**.0023**	**.0032**	**.0044**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0000	.0002
%RSD	2.235	1.713	5.089	1.480	1.155	5.600	1.441	5.337
#1	.0041	.0009	.0011	.0033	.0023	.0024	.0033	.0046
#2	.0042	.0009	.0010	.0032	.0022	.0023	.0032	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0018**	**.0119**	**.0028**	**.0019**	**.0020**	F **.0032**	**.0023**
Stddev	.0001	.0003	.0000	.0000	.0004	.0015	.0001	.0007
%RSD	12.88	14.44	.0936	.8992	23.32	75.59	4.077	30.35
#1	.0009	.0016	.0120	.0028	.0022	.0031	.0032	.0028
#2	.0010	.0019	.0119	.0028	.0016	.0010	.0031	.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.0050	
Range							-30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1080**	**1.048**	**.0014**	**.1024**	**2.030**	**1.034**	**.0109**	**-.0002**
Stddev	.0012	.002	.0009	.0640	.006	.001	.0000	.0001
%RSD	1.069	.1854	68.27	62.49	.2756	.0522	.3196	50.48
#1	.1072	1.049	.0020	.1476	2.034	1.033	.0109	-.0003
#2	.1088	1.047	.0007	.0572	2.026	1.034	.0109	-.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: 6/20/2014 12:42:59 Type: QC
Method: Accutest1(v281) 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**	**-.0016**	**.0001**	**.0000**	**-.0001**	F **-.0001**	F **.0001**	F **-.0038**
Stddev	.0003	.0005	.0002	.0000	.0001	.0006	.0001	.0031
%RSD	59.94	29.25	152.0	7.791	65.01	901.4	76.75	83.32
#1	-.0003	-.0019	.0003	.0000	-.0000	.0004	.0001	-.0060
#2	-.0007	-.0012	-.0000	.0000	-.0001	-.0005	.0002	-.0015
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 **-.0000**	F **-.0006**
Stddev	.0011	.0010
%RSD	23810.	175.9
#1	.0008	.0001
#2	-.0008	-.0012
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	**58246.**	**8689.8**	**1911.4**	**4081.0**
Stddev	327.	13.3	10.6	19.0
%RSD	.56097	.15341	.55600	.46546
#1	58015.	8699.2	1903.9	4067.6
#2	58477.	8680.4	1918.9	4094.5

Sample Name: cria Acquired: 6/20/2014 12:49:10 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**-.0001**	**-.0001**	**-.0002**
Stddev	.0001	.0001	.0003	.0000	.0001	.0001	.0000	.0001	.0002
%RSD	62.61	67.12	445.8	367.2	12.97	64.19	19.01	58.47	91.17
#1	.0002	-.0002	.0001	-.0000	.0004	.0001	-.0001	-.0001	-.0003
#2	.0001	-.0001	-.0002	.0000	.0005	.0002	-.0001	-.0002	-.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**	**.0001**	**.0207**	**-.0001**	**.0214**	**.0205**	**.0193**	**.5029**	**-.0047**
Stddev	.0003	.0001	.0006	.0003	.0012	.0006	.0010	.0067	.0009
%RSD	122.7	76.13	2.762	224.0	5.450	2.991	4.997	1.337	19.38
#1	-.0000	.0000	.0211	.0001	.0206	.0201	.0200	.5077	-.0054
#2	-.0004	.0001	.0203	-.0004	.0222	.0209	.0187	.4982	-.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	**.5292**	**.0177**	**.0095**	**.0006**	**-.0006**	**-.0001**	**-.0004**	**-.0012**	**-.0003**
Stddev	.0002	.0355	.0038	.0006	.0001	.0000	.0009	.0006	.0002
%RSD	.0458	201.3	40.32	94.15	21.87	9.887	233.5	55.96	74.68
#1	.5293	.0428	.0068	.0011	-.0007	-.0001	-.0010	-.0016	-.0001
#2	.5290	-.0075	.0123	.0002	-.0005	-.0001	.0003	-.0007	-.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Sample Name: cria Acquired: 6/20/2014 12:49:10 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0014**	**.0000**	**-.0034**	**-.0001**	**-.0001**
Stddev	.0000	.0002	.0014	.0002	.0021	.0005	.0007
%RSD	42.35	61.93	95.17	479.7	62.18	388.6	478.6
#1	.0000	-.0004	-.0005	-.0001	-.0049	-.0005	.0003
#2	.0001	-.0002	-.0024	.0002	-.0019	.0002	-.0006
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58253.**	**8821.9**	**1918.9**	**4112.5**
Stddev	228.	76.0	3.8	3.8
%RSD	.39056	.86164	.19677	.09220
#1	58092.	8768.1	1916.2	4109.8
#2	58414.	8875.6	1921.6	4115.1

Sample Name: sampleconf Acquired: 6/20/2014 12:55:22 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0043**	**.0009**	**.0010**	**.0029**	**.0024**	**.0026**	**.0032**	**.0043**	**.0008**
Stddev	.0002	.0000	.0001	.0003	.0003	.0002	.0000	.0001	.0002
%RSD	4.174	.6646	12.10	10.34	14.09	6.215	.2868	2.736	28.20
#1	.0044	.0009	.0011	.0027	.0022	.0028	.0032	.0043	.0010
#2	.0042	.0009	.0009	.0032	.0027	.0025	.0032	.0044	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0119**	**.0043**	**.0021**	**.0024**	**.0053**	**.0023**	**.1054**	**1.041**
Stddev	.0003	.0001	.0005	.0009	.0007	.0010	.0005	.0036	.010
%RSD	19.93	.4495	10.71	42.79	28.73	19.77	19.68	3.456	.9186
#1	.0020	.0120	.0046	.0015	.0019	.0060	.0027	.1029	1.035
#2	.0015	.0119	.0040	.0028	.0029	.0045	.0020	.1080	1.048

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0015**	**.0832**	**2.014**	**1.028**	**.0102**	**-.0001**	**-.0007**	**-.0014**	**.0012**
Stddev	.0033	.0461	.005	.002	.0006	.0000	.0003	.0004	.0005
%RSD	214.1	55.45	.2474	.1936	6.226	21.15	41.86	27.40	45.16
#1	-.0008	.0506	2.011	1.027	.0106	-.0001	-.0005	-.0017	.0016
#2	.0039	.1158	2.018	1.030	.0097	-.0001	-.0009	-.0012	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0020**	**.0001**	**-.0043**	**-.0006**	**.0003**
Stddev	.0000	.0000	.0001	.0001	.0026	.0001	.0002
%RSD	83.00	111.7	4.329	95.36	61.47	23.64	81.16
#1	.0000	.0000	-.0019	.0002	-.0062	-.0005	.0005
#2	.0001	.0001	-.0021	.0000	-.0024	-.0007	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58798.**	**8697.8**	**1921.7**	**4098.6**
Stddev	61.	21.9	1.9	6.8
%RSD	.10347	.25234	.09727	.16574
#1	58841.	8682.3	1920.4	4093.8
#2	58755.	8713.3	1923.0	4103.4

Sample Name: icsa Acquired: 6/20/2014 13:01:33 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0001**	**.0009**	**.0006**	**.0012**	**-.0055**	**.0002**	**-.0010**	**.0034**
Stddev	.0002	.0001	.0003	.0000	.0000	.0001	.0001	.0003	.0002
%RSD	19.30	104.6	28.02	4.191	3.774	2.033	34.67	29.36	6.216
#1	-.0012	-.0001	.0011	.0006	.0013	-.0055	.0003	-.0013	.0035
#2	-.0009	-.0000	.0007	.0006	.0012	-.0054	.0002	-.0008	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0003**	**.0008**	**-.0037**	**-.0026**	**-.0003**	**.0050**	**521.2**	**388.0**
Stddev	.0004	.0001	.0001	.0004	.0010	.0075	.0005	.6	.7
%RSD	177.2	36.91	12.25	9.651	38.71	2692.	9.107	.1234	.1838
#1	.0005	-.0004	.0008	-.0035	-.0019	.0050	.0053	521.7	388.5
#2	-.0001	-.0002	.0007	-.0040	-.0033	-.0056	.0047	520.8	387.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**188.2**	**524.6**	**.1536**	**-.0093**	**-.0005**	**-.0016**	**-.0006**	**-.0032**	**-.0020**
Stddev	.3	1.3	.0022	.0039	.0007	.0002	.0003	.0002	.0005
%RSD	.1437	.2502	1.464	41.96	132.6	11.97	55.34	4.877	23.03
#1	188.3	525.5	.1520	-.0121	-.0010	-.0015	-.0009	-.0031	-.0024
#2	188.0	523.6	.1552	-.0066	-.0000	-.0017	-.0004	-.0033	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/20/2014 13:01:33 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0048**	**.0009**	**.0015**	**.0009**	**-.0359**	**-.0135**	**.0048**
Stddev	.0000	.0005	.0021	.0001	.0019	.0005	.0006
%RSD	.4404	56.54	142.3	11.61	5.324	4.024	12.84
#1	-.0048	.0005	.0029	.0009	-.0373	-.0131	.0052
#2	-.0048	.0012	-.0000	.0008	-.0346	-.0139	.0043
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	**49594.**	**8055.2**	**1619.9**	**3122.7**
Stddev	85.	13.1	6.0	12.9
%RSD	.17160	.16209	.37341	.41417
#1	49533.	8046.0	1615.6	3113.5
#2	49654.	8064.5	1624.1	3131.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 13:07:39 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5026**	**.4919**	**1.001**	**.4756**	**.4815**	**.5200**	**.4898**	**.9627**	**.9970**
Stddev	.0004	.0024	.002	.0004	.0035	.0050	.0027	.0004	.0071
%RSD	.0747	.4910	.2263	.0751	.7333	.9520	.5569	.0365	.7160
#1	.5023	.4901	1.003	.4753	.4790	.5165	.4879	.9625	.9919
#2	.5029	.4936	.9996	.4758	.4840	.5235	.4918	.9629	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4857**	**.9429**	**1.054**	**.9341**	**.9557**	**1.042**	**1.036**	**504.6**	**372.3**
Stddev	.0049	.0006	.004	.0039	.0005	.004	.003	.6	1.1
%RSD	1.003	.0668	.3815	.4136	.0551	.4216	.2766	.1120	.2928
#1	.4823	.9433	1.051	.9314	.9553	1.045	1.034	504.2	371.5
#2	.4892	.9424	1.057	.9369	.9561	1.039	1.038	505.0	373.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**185.8**	**509.4**	**.1559**	**.0006**	**.0011**	**.4881**	**.5426**	**-.0016**	**-.0012**
Stddev	.3	2.0	.0021	.0004	.0002	.0015	.0065	.0010	.0004
%RSD	.1802	.3961	1.375	69.20	14.24	.3125	1.193	63.66	29.43
#1	185.6	508.0	.1544	.0009	.0012	.4892	.5380	-.0023	-.0010
#2	186.1	510.8	.1575	.0003	.0010	.4870	.5471	-.0009	-.0015
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 13:07:39 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**.0012**	**.5130**	**.5784**	**.4281**	**.5184**	**.5295**
Stddev	.0001	.0001	.0008	.0061	.0025	.0000	.0007
%RSD	2.953	8.047	.1469	1.057	.5874	.0040	.1306
#1	-.0044	.0011	.5135	.5741	.4264	.5183	.5300
#2	-.0046	.0013	.5124	.5827	.4299	.5184	.5290
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	**50122.**	**8239.0**	**1666.5**	**3216.5**
Stddev	508.	37.0	2.8	.5
%RSD	1.0134	.44872	.16773	.01625
#1	50481.	8265.1	1664.5	3216.2
#2	49763.	8212.8	1668.5	3216.9

Zoom In Zoom Out

Sample Name: FeConf Acquired: 6/20/2014 13:13:36 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**-.0008**	**.0024**	**.0002**	**-.0005**	**-.0000**	**.0027**
Stddev	.0001	.0000	.0001	.0002	.0004	.0007	.0001	.0006	.0011
%RSD	421.3	20.89	26.80	26.61	16.25	284.9	15.01	3206.	39.48
#1	.0001	-.0001	-.0003	-.0010	.0021	.0007	-.0005	-.0004	.0020
#2	-.0001	-.0001	-.0002	-.0007	.0026	-.0002	-.0004	.0004	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0004**	**.0027**	**.0001**	**.0008**	**-.0004**	**-.0022**	**-.0034**	**-.0237**
Stddev	.0003	.0002	.0012	.0002	.0000	.0026	.0002	.0022	.0002
%RSD	17.34	70.12	42.92	277.3	2.133	732.6	9.182	66.01	.8921
#1	.0014	.0002	.0019	-.0001	.0008	-.0022	-.0024	-.0050	-.0235
#2	.0018	.0005	.0036	.0002	.0009	.0015	-.0021	-.0018	-.0238

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**197.6**	**-.0013**	**.0236**	**.0078**	**-.0023**	**.0007**	**.0055**	**.0124**	**-.0012**
Stddev	3.1	.0169	.0220	.0001	.0001	.0001	.0020	.0008	.0001
%RSD	1.562	1282.	93.29	1.278	4.438	18.15	35.52	6.491	8.507
#1	199.8	-.0133	.0080	.0078	-.0024	.0008	.0042	.0118	-.0012
#2	195.4	.0106	.0392	.0077	-.0023	.0006	.0069	.0130	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**-.0025**	**.0015**	**-.0092**	**-.0000**	**-.0007**
Stddev	.0000	.0008	.0003	.0002	.0007	.0003	.0002
%RSD	58.17	789.2	12.92	13.82	7.267	7788.	27.39
#1	.0000	-.0004	-.0023	.0016	-.0087	.0002	-.0006
#2	.0001	.0006	-.0027	.0013	-.0097	-.0002	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58057.**	**8759.2**	**1884.7**	**4046.0**
Stddev	979.	108.5	4.7	15.8
%RSD	1.6857	1.2391	.24930	.39091
#1	57365.	8682.4	1888.0	4057.2
#2	58749.	8835.9	1881.4	4034.9

Zoom In Zoom Out

Sample Name: CrConf Acquired: 6/20/2014 13:19:48 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0005**	**-.0006**	**12.12**	**-.0002**	**.0006**	**-.0004**	**.0011**
Stddev	.0002	.0001	.0001	.0000	.07	.0000	.0001	.0002	.0003
%RSD	31.88	46.33	12.11	8.286	.5540	14.27	8.230	40.49	25.40
#1	.0005	-.0002	.0006	-.0006	12.17	-.0002	.0007	-.0006	.0009
#2	.0007	-.0001	.0005	-.0006	12.07	-.0001	.0006	-.0003	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0036**	**-.0021**	**-.0119**	**-.0018**	**.0011**	**-.0038**	**.0059**	**.0044**	**.0102**
Stddev	.0000	.0003	.0013	.0005	.0003	.0013	.0006	.0032	.0028
%RSD	1.008	13.33	11.24	28.90	23.51	34.18	9.858	72.46	27.21
#1	.0036	-.0019	-.0128	-.0015	.0013	-.0047	.0055	.0067	.0082
#2	.0036	-.0023	-.0109	-.0022	.0009	-.0029	.0064	.0022	.0121

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0183**	**-.0294**	**.0245**	**.0092**	**.0004**	**.0006**	**-.0010**	**.0151**	**-.0000**
Stddev	.0006	.0064	.0070	.0035	.0001	.0000	.0004	.0007	.0007
%RSD	3.110	21.80	28.69	38.07	13.87	6.194	42.44	4.821	2165.
#1	.0187	-.0339	.0295	.0068	.0005	.0006	-.0013	.0146	.0005
#2	.0179	-.0249	.0195	.0117	.0004	.0006	-.0007	.0156	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0005**	**-.0010**	**-.0021**	**-.0001**	**-.0053**	**.0006**
Stddev	.0000	.0000	.0007	.0001	.0005	.0003	.0004
%RSD	32.64	9.659	63.16	5.457	579.9	5.156	74.47
#1	.0001	.0005	-.0015	-.0021	.0002	-.0055	.0003
#2	.0001	.0005	-.0006	-.0022	-.0004	-.0051	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58685.**	**8754.7**	**1874.3**	**4093.4**
Stddev	150.	35.5	5.8	10.1
%RSD	.25569	.40523	.30976	.24711
#1	58578.	8729.6	1878.4	4100.6
#2	58791.	8779.8	1870.2	4086.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 13:26:00 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.029**	**2.025**	**2.034**	**2.083**	**1.985**	**2.082**	**2.083**	**.2453**
Stddev	.002	.001	.000	.005	.005	.000	.005	.006	.0000
%RSD	.0953	.0313	.0034	.2314	.2606	.0031	.2307	.3072	.0133
#1	2.014	2.029	2.025	2.031	2.079	1.985	2.079	2.079	.2452
#2	2.016	2.030	2.025	2.038	2.087	1.985	2.086	2.088	.2453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.025**	**2.085**	**1.981**	**2.110**	**2.104**	**1.975**	**2.019**	**40.09**	**40.63**
Stddev	.004	.006	.007	.004	.008	.002	.004	.12	.12
%RSD	.1944	.2920	.3576	.2038	.3786	.1187	.2009	.3093	.2993
#1	2.022	2.080	1.986	2.107	2.099	1.976	2.022	40.00	40.54
#2	2.028	2.089	1.976	2.113	2.110	1.973	2.016	40.18	40.71
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	**40.69**	**39.54**	**39.19**	**39.83**	**2.050**	**2.041**	**2.015**	**4.952**	**2.099**
Stddev	.11	.08	.05	.11	.003	.004	.000	.011	.003
%RSD	.2790	.2015	.1274	.2853	.1261	.1829	.0073	.2172	.1200
#1	40.61	39.49	39.16	39.75	2.052	2.044	2.015	4.959	2.097
#2	40.77	39.60	39.23	39.91	2.048	2.039	2.015	4.944	2.101
Check ?	Chk Pass	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: 6/20/2014 13:26:00 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.053**	**1.954**	**2.039**	**1.940**	**1.986**	**1.946**
Stddev	.002	.000	.018	.002	.001	.003	.003
%RSD	.1164	.0081	.9360	.0794	.0316	.1622	.1645
#1	2.037	2.053	1.941	2.038	1.940	1.989	1.943
#2	2.041	2.053	1.967	2.040	1.940	1.984	1.948
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	**54676.**	**8464.3**	**1813.3**	**3637.1**
Stddev	42.	23.5	5.1	1.5
%RSD	.07746	.27812	.28093	.04126
#1	54646.	8481.0	1809.7	3636.1
#2	54706.	8447.7	1816.9	3638.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 13:31:54 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**.0000**	**.0001**	**.0009**	**-.0000**	**.0001**	**-.0002**	**-.0002**
Stddev	.0001	.0001	.0001	.0001	.0004	.0001	.0000	.0001	.0004
%RSD	16.73	86.07	260.7	106.4	44.33	5518.	5.591	53.75	194.4
#1	.0003	-.0001	.0001	.0000	.0012	.0001	.0001	-.0003	-.0004
#2	.0004	-.0000	-.0000	.0002	.0006	-.0001	.0001	-.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0007**	**-.0011**	**-.0005**	**-.0003**	**.0001**	**.0061**	**-.0018**
Stddev	.0001	.0000	.0000	.0006	.0005	.0010	.0004	.0031	.0023
%RSD	97.03	13.38	.4427	57.48	98.16	336.4	569.1	50.87	123.4
#1	.0000	.0000	.0007	-.0016	-.0008	-.0010	.0003	.0039	-.0034
#2	.0002	.0000	.0007	-.0007	-.0001	.0004	-.0002	.0084	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**-.0158**	**.0302**	**.0074**	**.0003**	**.0005**	**-.0011**	**.0007**	**.0005**
Stddev	.0034	.0158	.0057	.0085	.0004	.0002	.0012	.0008	.0006
%RSD	77.07	99.98	18.75	114.9	110.6	34.05	106.7	107.5	114.8
#1	.0068	-.0046	.0262	.0014	.0001	.0006	-.0019	.0002	.0009
#2	.0020	-.0269	.0341	.0134	.0006	.0004	-.0003	.0013	.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: 6/20/2014 13:31:54 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0140**	**.0008**	**-.0034**	**-.0004**	**-.0002**
Stddev	.0000	.0001	.0032	.0000	.0010	.0008	.0009
%RSD	17.70	197.0	22.74	4.934	28.46	195.9	586.5
#1	.0002	.0001	.0163	.0008	-.0027	.0002	.0005
#2	.0001	-.0000	.0118	.0009	-.0041	-.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	**59089.**	**8561.2**	**1936.1**	**4143.7**
Stddev	116.	180.4	15.5	33.4
%RSD	.19616	2.1070	.79830	.80624
#1	59171.	8688.7	1947.0	4167.3
#2	59007.	8433.6	1925.2	4120.1

Zoom In Zoom Out

Sample Name: mp80150-mb1conf Acquired: 6/20/2014 13:38:03 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0012**	**-.0002**	**.0002**	**-.0001**	**.0011**	**.0012**	**.0011**	**.0004**	**-.0002**
Stddev	.0001	.0001	.0000	.0001	.0002	.0003	.0000	.0000	.0001
%RSD	7.573	47.10	2.292	147.5	16.21	26.72	4.196	4.826	57.91
#1	.0013	-.0002	.0002	-.0002	.0010	.0010	.0012	.0004	-.0004
#2	.0011	-.0001	.0002	.0000	.0013	.0014	.0011	.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0091**	**-.0000**	**-.0007**	**.0017**	**.0001**	**-.0005**	**.0356**	**.1550**
Stddev	.0002	.0002	.0002	.0008	.0003	.0010	.0003	.0020	.0018
%RSD	66.56	2.541	1107.	117.0	19.32	885.0	65.80	5.739	1.172
#1	-.0002	.0089	.0001	-.0001	.0020	-.0006	-.0003	.0370	.1537
#2	-.0005	.0092	-.0001	-.0013	.0015	.0008	-.0007	.0341	.1563

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0720**	**.0581**	**.0297**	**.0567**	**.0010**	**.0003**	**-.0013**	**.0331**	**.0228**
Stddev	.0033	.0215	.0065	.0040	.0004	.0001	.0002	.0008	.0002
%RSD	4.573	37.02	21.83	6.989	42.69	21.81	16.65	2.347	.6974
#1	.0744	.0734	.0343	.0595	.0013	.0003	-.0015	.0325	.0227
#2	.0697	.0429	.0251	.0539	.0007	.0002	-.0012	.0336	.0229

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0011**	**.0046**	**.0004**	**.0041**	**-.0006**	**.0011**
Stddev	.0000	.0000	.0009	.0001	.0002	.0004	.0001
%RSD	10.03	2.644	19.19	29.96	5.386	60.89	8.972
#1	.0005	.0011	.0052	.0005	.0042	-.0004	.0010
#2	.0005	.0011	.0040	.0004	.0039	-.0009	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59105.**	**8728.3**	**1905.3**	**4098.6**
Stddev	51.	30.3	11.3	18.0
%RSD	.08713	.34685	.59520	.43943
#1	59141.	8706.9	1913.3	4111.3
#2	59068.	8749.7	1897.3	4085.9

Zoom In Zoom Out

Sample Name: jb69597-5 2 Acquired: 6/20/2014 13:44:12 Type: Unk
Method: Accutest1(v281) 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	**2.271**	**.0180**	**.9433**	**.3495**	**.3990**	**12.26**	**13.33**	**3.767**	**.8867**
Stddev	.005	.0009	.0062	.0017	.0036	.00	.01	.031	.0010
%RSD	.2184	5.158	.6601	.4992	.9008	.0352	.0921	.8122	.1145
#1	2.267	.0174	.9389	.3483	.4015	12.26	13.33	3.745	.8874
#2	2.274	.0187	.9477	.3508	.3964	12.27	13.34	3.789	.8860

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2156**	**386.4**	**.8102**	**.0591**	**29.78**	**.0853**	**.3125**	**108.8**	**69.62**
Stddev	.0004	1.4	.0016	.0067	.17	.0025	.0060	.2	.32
%RSD	.2042	.3603	.1964	11.41	.5705	2.905	1.921	.1960	.4586
#1	.2160	385.4	.8091	.0638	29.66	.0836	.3082	108.7	69.39
#2	.2153	387.4	.8113	.0543	29.90	.0871	.3167	109.0	69.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**620.8**	**35.09**	**16.21**	**10.46**	**.2393**	**.0759**	**.0181**	**5.070**	**1.197**
Stddev	1.3	.02	.16	.03	.0054	.0006	.0029	.012	.006
%RSD	.2081	.0489	1.003	.3054	2.264	.7849	16.13	.2326	.4784
#1	619.9	35.10	16.10	10.44	.2355	.0755	.0201	5.062	1.193
#2	621.7	35.08	16.33	10.49	.2432	.0764	.0160	5.078	1.201

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4515**	**3.557**	**2.431**	**.2123**	**104.1**	**.0975**	**.1241**
Stddev	.0005	.002	.023	.0002	.5	.0005	.0008
%RSD	.1065	.0435	.9564	.0848	.4801	.4866	.6251
#1	.4512	3.556	2.415	.2124	103.7	.0979	.1247
#2	.4519	3.558	2.448	.2122	104.5	.0972	.1236

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57771.**	**8790.8**	**1894.5**	**3932.4**
Stddev	31.	13.8	9.8	22.2
%RSD	.05380	.15702	.51480	.56575
#1	57793.	8800.6	1901.4	3948.2
#2	57749.	8781.0	1887.6	3916.7

Zoom In Zoom Out

Sample Name: jb69597-6 Acquired: 6/20/2014 13:50:11 Type: Unk
Method: Accutest1(v281) 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	**3.325**	**.0193**	**3.944**	**.2894**	**.8090**	**34.48**	**17.57**	**6.325**	**2.582**
Stddev	.007	.0001	.016	.0017	.0099	.02	.15	.015	.015
%RSD	.2085	.2986	.4154	.5785	1.220	.0595	.8478	.2372	.5759
#1	3.330	.0194	3.933	.2906	.8160	34.47	17.68	6.314	2.592
#2	3.320	.0193	3.956	.2882	.8020	34.50	17.47	6.335	2.571

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2363**	**818.2**	**4.692**	**.0930**	**182.6**	**.8491**	**.4849**	**130.9**	**52.04**
Stddev	.0015	.7	.021	.0021	.2	.0050	.0162	.1	.17
%RSD	.6325	.0835	.4475	2.228	.1241	.5873	3.347	.1025	.3188
#1	.2353	817.7	4.677	.0945	182.4	.8526	.4734	131.0	52.16
#2	.2374	818.7	4.707	.0916	182.8	.8456	.4964	130.8	51.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**818.1**	**38.71**	**15.83**	**8.427**	**.2078**	**.1564**	**.0260**	**4.163**	**2.961**
Stddev	3.5	.04	.13	.048	.0043	.0021	.0094	.018	.011
%RSD	.4250	.1064	.8297	.5638	2.078	1.370	36.14	.4379	.3754
#1	820.6	38.74	15.93	8.460	.2048	.1548	.0327	4.150	2.953
#2	815.6	38.68	15.74	8.393	.2109	.1579	.0194	4.176	2.969

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4371**	**3.778**	**5.384**	**.1639**	**186.5**	**.5513**	**.1180**
Stddev	.0022	.023	.044	.0008	.5	.0152	.0022
%RSD	.5081	.5994	.8250	.4869	.2754	2.751	1.904
#1	.4387	3.794	5.352	.1633	186.1	.5620	.1196
#2	.4355	3.762	5.415	.1645	186.8	.5406	.1165

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58080.**	**8695.1**	**1919.0**	**4061.9**
Stddev	208.	58.8	6.9	12.3
%RSD	.35898	.67613	.36183	.30259
#1	57933.	8653.5	1924.0	4070.6
#2	58228.	8736.7	1914.1	4053.2

Zoom In Zoom Out

Sample Name: jb69597-11 Acquired: 6/20/2014 13:56:11 Type: Unk
Method: Accutest1(v281) 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	**1.017**	**.0082**	**1.223**	**.0417**	**.1916**	**2.158**	**8.634**	**.6199**	**.2720**
Stddev	.030	.0005	.003	.0010	.0215	.197	.814	.0020	.0152
%RSD	2.968	6.393	.2296	2.469	11.20	9.134	9.432	.3150	5.591
#1	.9955	.0078	1.221	.0410	.2068	2.297	9.209	.6186	.2612
#2	1.038	.0086	1.225	.0424	.1764	2.018	8.058	.6213	.2827

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0726**	**126.6**	**.1443**	**.0105**	**8.738**	**.0355**	**.0359**	**40.53**	**2908.**
Stddev	.0062	.3	.0039	.0030	.021	.0072	.0018	1.31	94.
%RSD	8.563	.2352	2.725	28.80	.2349	20.39	5.099	3.237	3.221
#1	.0770	126.4	.1415	.0127	8.724	.0304	.0372	39.60	2841.
#2	.0682	126.8	.1471	.0084	8.753	.0406	.0346	41.46	2974.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**124.3**	**43.33**	**5.349**	**3.650**	**.0835**	**.0237**	**-.0033**	**5.599**	**.3221**
Stddev	4.1	1.66	.113	.107	.0015	.0019	.0064	.033	.0051
%RSD	3.312	3.828	2.117	2.923	1.829	8.023	191.4	.5913	1.577
#1	121.4	42.15	5.269	3.575	.0824	.0250	-.0079	5.623	.3257
#2	127.2	44.50	5.429	3.726	.0846	.0223	.0012	5.576	.3185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**8.718**	**1.017**	**.4625**	**.0894**	**22.89**	**.1356**	**.0620**
Stddev	.265	.101	.0010	.0080	.01	.0107	.0030
%RSD	3.038	9.896	.2158	8.912	.0618	7.922	4.888
#1	8.531	1.088	.4632	.0951	22.88	.1432	.0599
#2	8.905	.9458	.4617	.0838	22.90	.1280	.0642

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	52795.	8006.2	1696.0	3338.7
Stddev	4183.	250.0	3.6	4.7
%RSD	7.9230	3.1229	.21237	.14008
#1	49837.	8183.0	1698.6	3342.0
#2	55753.	7829.4	1693.5	3335.4

Zoom In Zoom Out

Sample Name: mp80114-mb1conf Acquired: 6/20/2014 14:02:11 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0002**	**-.0001**	**.0003**	**.0004**	**.0000**	**-.0003**	**.0003**
Stddev	.0001	.0000	.0002	.0001	.0002	.0002	.0000	.0003	.0004
%RSD	218.5	1.133	90.01	39.56	54.50	56.73	69.89	97.27	104.2
#1	.0001	-.0002	.0001	-.0002	.0004	.0003	.0000	-.0004	.0006
#2	-.0000	-.0002	.0003	-.0001	.0002	.0006	.0000	-.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0016**	**-.0002**	**-.0007**	**-.0000**	**.0015**	**.0006**	**-.0012**	**.0052**
Stddev	.0001	.0001	.0003	.0004	.0002	.0004	.0003	.0045	.0008
%RSD	22.23	3.531	124.9	55.75	477.3	28.39	46.06	381.0	15.01
#1	-.0004	.0015	-.0005	-.0009	-.0002	.0018	.0004	-.0044	.0046
#2	-.0003	.0016	-.0000	-.0004	.0001	.0012	.0008	.0020	.0057

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0136**	**-.0073**	**-.0063**	**.0060**	**.0003**	**.0001**	**.0008**	**.0135**	**.0010**
Stddev	.0018	.0317	.0133	.0001	.0001	.0002	.0003	.0001	.0000
%RSD	12.95	436.7	211.1	.9349	31.29	349.7	36.81	.7977	4.458
#1	.0148	.0151	-.0157	.0060	.0004	.0002	.0006	.0136	.0009
#2	.0123	-.0296	.0031	.0060	.0003	-.0001	.0010	.0134	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0041**	**.0001**	**-.0045**	**-.0002**	**-.0009**
Stddev	.0000	.0003	.0001	.0002	.0024	.0004	.0002
%RSD	23.03	101.3	2.364	135.8	52.78	211.0	25.47
#1	.0001	.0005	-.0042	.0002	-.0028	.0001	-.0010
#2	.0001	.0001	-.0041	.0000	-.0062	-.0004	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	60386.	8977.8	1944.4	4188.7
Stddev	92.	24.3	.2	2.2
%RSD	.15182	.27046	.01262	.05234
#1	60321.	8995.0	1944.3	4190.3
#2	60450.	8960.6	1944.6	4187.2

Zoom In Zoom Out

Sample Name: jb69030-6 2 Acquired: 6/20/2014 14:08:21 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1576**	**-.0002**	**.0001**	**.0032**	**.0006**	**.0025**	**7.076**	**.0133**	**.0024**
Stddev	.0009	.0000	.0000	.0001	.0001	.0001	.012	.0003	.0003
%RSD	.5677	25.83	22.25	3.687	18.65	3.345	.1715	2.432	13.10
#1	.1582	-.0001	.0001	.0031	.0006	.0024	7.067	.0130	.0026
#2	.1569	-.0002	.0001	.0033	.0005	.0025	7.084	.0135	.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0047**	**.0301**	**.0015**	**.0022**	**.0021**	**-.0006**	**.0603**	**78.47**
Stddev	.0001	.0002	.0005	.0012	.0000	.0018	.0005	.0028	.45
%RSD	30.10	4.667	1.551	81.89	.6724	87.07	94.07	4.582	.5714
#1	.0002	.0048	.0304	.0006	.0022	.0008	-.0002	.0584	78.78
#2	.0003	.0045	.0298	.0023	.0021	.0034	-.0009	.0623	78.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**25.84**	**13.20**	**3.344**	**7.711**	**.0211**	**.0007**	**.0049**	**5.084**	**-.0008**
Stddev	.16	.01	.010	.042	.0002	.0000	.0004	.009	.0003
%RSD	.6011	.0901	.3028	.5439	.8129	.4239	7.692	.1688	32.70
#1	25.95	13.19	3.351	7.741	.0210	.0007	.0051	5.078	-.0006
#2	25.73	13.21	3.337	7.682	.0212	.0007	.0046	5.090	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4134**	**.0001**	**.0028**	**.0005**	**5.671**	**-.0016**	**.0024**
Stddev	.0016	.0005	.0002	.0003	.014	.0001	.0002
%RSD	.3966	377.9	7.515	53.01	.2408	6.699	10.46
#1	.4146	-.0002	.0030	.0007	5.661	-.0016	.0025
#2	.4122	.0004	.0027	.0003	5.681	-.0015	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	55568.	8610.2	1796.7	3738.7
Stddev	71.	43.8	.1	4.9
%RSD	.12728	.50818	.00292	.13215
#1	55618.	8579.2	1796.7	3742.2
#2	55518.	8641.1	1796.7	3735.3

Zoom In Zoom Out

Sample Name: mp80099-mb2conf Acquired: 6/20/2014 14:14:25 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0016**	**-.0001**	**.0000**	**.0000**	**.0013**	**.0009**	**.0012**	**.0004**	**.0002**
Stddev	.0004	.0001	.0002	.0003	.0008	.0006	.0000	.0005	.0005
%RSD	27.26	59.72	3392.	1655.	61.81	68.26	3.976	146.9	296.9
#1	.0019	-.0001	.0001	-.0002	.0018	.0013	.0013	.0007	.0005
#2	.0013	-.0001	-.0001	.0002	.0007	.0004	.0012	-.0000	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0042**	**-.0001**	**.0008**	**.0008**	**.0016**	**.0002**	**.0529**	**.1432**
Stddev	.0003	.0000	.0005	.0003	.0005	.0006	.0001	.0014	.0104
%RSD	1206.	.1851	935.6	36.19	58.09	37.77	48.25	2.705	7.246
#1	-.0002	.0042	.0003	.0010	.0012	.0020	.0002	.0518	.1505
#2	.0002	.0042	-.0004	.0006	.0005	.0012	.0001	.0539	.1358

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0898**	**.0550**	**.0715**	**.0446**	**.0011**	**.0000**	**.0008**	**.0316**	**.0307**
Stddev	.0086	.0168	.0033	.0040	.0005	.0001	.0016	.0005	.0004
%RSD	9.602	30.66	4.649	8.984	48.15	193.8	196.8	1.645	1.355
#1	.0959	.0430	.0692	.0475	.0007	.0001	.0019	.0320	.0310
#2	.0837	.0669	.0739	.0418	.0015	-.0000	-.0003	.0312	.0304

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0010**	**-.0055**	**.0001**	**.0016**	**-.0006**	**-.0008**
Stddev	.0000	.0002	.0007	.0001	.0008	.0002	.0005
%RSD	4.629	17.07	12.16	85.09	47.52	33.29	68.05
#1	.0005	.0009	-.0059	.0000	.0021	-.0005	-.0011
#2	.0005	.0012	-.0050	.0001	.0011	-.0008	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59086.	8886.4	1901.4	4088.8
Stddev	4696.	488.4	11.8	22.3
%RSD	7.9469	5.4962	.61812	.54634
#1	55766.	8541.0	1893.1	4073.0
#2	62406.	9231.7	1909.7	4104.6

Zoom In Zoom Out

Sample Name: jb69078-1 2 Acquired: 6/20/2014 14:20:34 Type: Unk
Method: Accutest1(v281) 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	**.5292**	**.0145**	**.0029**	**.1594**	**.3943**	**.2180**	**4.482**	**.3776**	**.0050**
Stddev	.0003	.0002	.0006	.0018	.0095	.0029	.131	.0046	.0049
%RSD	.0660	1.527	21.17	1.133	2.418	1.317	2.924	1.217	99.14
#1	.5289	.0143	.0025	.1581	.3876	.2159	4.389	.3743	.0084
#2	.5294	.0146	.0034	.1607	.4010	.2200	4.575	.3808	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5458**	**.9427**	**.1872**	**-.0092**	**.3040**	**.0054**	**-.0013**	**233.9**	**28.73**
Stddev	.0178	.0153	.0050	.0013	.0102	.0006	.0001	.2	.06
%RSD	3.258	1.628	2.695	13.64	3.347	10.72	5.514	.0667	.2252
#1	.5332	.9319	.1837	-.0083	.2968	.0058	-.0014	233.8	28.78
#2	.5584	.9536	.1908	-.0101	.3112	.0050	-.0013	234.0	28.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**450.0**	**85.06**	**46.00**	**27.57**	**.3058**	**.1112**	**.0163**	**6.678**	**.0452**
Stddev	.0	.40	.03	.01	.0031	.0009	.0015	.100	.0010
%RSD	.0021	.4756	.0689	.0510	1.024	.8269	9.081	1.492	2.181
#1	450.0	85.35	46.02	27.56	.3036	.1105	.0173	6.607	.0459
#2	450.0	84.78	45.97	27.58	.3081	.1118	.0152	6.748	.0445

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3655**	**3.985**	**.0034**	**.1363**	**293.0**	**-.0026**	**.4941**
Stddev	.0004	.112	.0012	.0031	4.0	.0000	.0000
%RSD	.1141	2.819	36.29	2.296	1.379	1.680	.0005
#1	.3652	3.906	.0026	.1341	290.1	-.0026	.4941
#2	.3658	4.065	.0043	.1385	295.8	-.0026	.4941

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56662.**	**8929.9**	**1905.5**	**3727.6**
Stddev	1294.	14.7	20.3	44.9
%RSD	2.2835	.16410	1.0677	1.2052
#1	57577.	8919.5	1919.9	3759.3
#2	55747.	8940.2	1891.1	3695.8

Zoom In Zoom Out

Sample Name: mp80155-mb1conf Acquired: 6/20/2014 14:26:36 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**-.0000**	**-.0001**	**.0006**	**.0001**	**-.0003**	**.0000**
Stddev	.0000	.0000	.0001	.0001	.0002	.0007	.0000	.0002	.0001
%RSD	7.049	40.24	82.31	287.0	118.0	129.4	32.20	94.69	1299.
#1	.0001	-.0001	.0001	.0000	-.0000	.0011	.0001	-.0001	-.0001
#2	.0001	-.0001	.0002	-.0001	-.0003	.0000	.0001	-.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0012**	**-.0004**	**-.0010**	**-.0002**	**-.0004**	**-.0002**	**.0108**	**.0095**
Stddev	.0004	.0002	.0012	.0003	.0007	.0004	.0013	.0035	.0040
%RSD	4905.	18.19	300.2	30.34	342.5	101.4	654.6	32.27	42.26
#1	-.0003	.0010	.0004	-.0013	.0003	-.0001	.0007	.0132	.0123
#2	.0003	.0013	-.0012	-.0008	-.0007	-.0007	-.0011	.0083	.0067

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0051**	**.0082**	**.0312**	**.0044**	**.0004**	**-.0001**	**-.0005**	**.0265**	**.0020**
Stddev	.0015	.0023	.0046	.0026	.0006	.0001	.0005	.0005	.0001
%RSD	29.58	27.90	14.75	59.35	127.0	131.9	90.92	1.973	3.714
#1	.0040	.0066	.0344	.0026	.0009	-.0001	-.0002	.0262	.0021
#2	.0062	.0098	.0279	.0063	.0000	-.0000	-.0009	.0269	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0055**	**.0007**	**.0043**	**-.0012**	**-.0006**
Stddev	.0000	.0005	.0002	.0001	.0016	.0002	.0005
%RSD	31.36	1221.	3.704	14.27	37.46	15.50	82.85
#1	.0001	.0004	-.0053	.0006	.0055	-.0011	-.0002
#2	.0001	-.0003	-.0056	.0008	.0032	-.0014	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58423.**	**8760.0**	**1884.5**	**4066.6**
Stddev	86.	21.0	2.2	7.3
%RSD	.14704	.23924	.11515	.17978
#1	58362.	8774.8	1886.0	4071.7
#2	58483.	8745.2	1883.0	4061.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 14:32:46 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.021**	**2.020**	**2.031**	**2.067**	**1.975**	**2.061**	**2.081**	**.2428**
Stddev	.002	.007	.007	.009	.006	.000	.003	.014	.0007
%RSD	.0779	.3501	.3496	.4665	.2805	.0073	.1249	.6630	.2780
#1	1.998	2.016	2.015	2.025	2.071	1.975	2.063	2.072	.2423
#2	2.000	2.026	2.025	2.038	2.063	1.975	2.060	2.091	.2433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.081**	**1.976**	**2.104**	**2.104**	**1.973**	**2.011**	**39.77**	**40.48**
Stddev	.004	.011	.006	.010	.009	.001	.008	.07	.03
%RSD	.2048	.5387	.3005	.4549	.4488	.0451	.4104	.1761	.0621
#1	2.020	2.074	1.972	2.097	2.097	1.972	2.005	39.72	40.46
#2	2.014	2.089	1.980	2.111	2.110	1.973	2.017	39.82	40.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.54**	**39.43**	**38.95**	**39.57**	**2.048**	**2.036**	**2.001**	**4.957**	**2.094**
Stddev	.03	.10	.01	.13	.002	.008	.001	.015	.007
%RSD	.0781	.2583	.0235	.3198	.1171	.3994	.0620	.3064	.3417
#1	40.52	39.36	38.94	39.48	2.046	2.030	2.000	4.946	2.088
#2	40.56	39.50	38.96	39.65	2.050	2.042	2.001	4.967	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: 6/20/2014 14:32:46 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.034**	**1.950**	**2.026**	**1.942**	**1.978**	**1.926**
Stddev	.004	.000	.021	.001	.016	.007	.003
%RSD	.1810	.0050	1.102	.0419	.8392	.3342	.1668
#1	2.020	2.034	1.935	2.027	1.931	1.973	1.924
#2	2.025	2.034	1.965	2.026	1.954	1.982	1.929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55064.**	**8492.6**	**1821.8**	**3652.2**
Stddev	5.	11.1	4.1	13.1
%RSD	.00993	.13074	.22663	.35796
#1	55061.	8484.8	1824.7	3661.5
#2	55068.	8500.5	1818.9	3643.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 14:38:40 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**.0000**	**-.0001**	**.0004**	**-.0000**	**-.0000**	**-.0003**	**-.0001**
Stddev	.0001	.0000	.0001	.0001	.0004	.0001	.0000	.0003	.0000
%RSD	34.00	18.49	10520.	116.1	121.3	365.6	1.194	100.3	39.38
#1	.0002	-.0002	-.0000	-.0000	.0000	-.0001	-.0000	-.0005	-.0001
#2	.0001	-.0002	.0000	-.0002	.0007	.0000	-.0000	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0004**	**.0015**	**.0000**	**.0003**	**.0001**	**-.0003**	**-.0026**	**-.0019**
Stddev	.0004	.0001	.0007	.0004	.0005	.0008	.0001	.0104	.0005
%RSD	129.0	14.13	47.82	999.4	172.9	598.5	29.82	399.9	26.16
#1	-.0006	.0003	.0010	.0003	-.0001	-.0005	-.0004	.0047	-.0022
#2	-.0000	.0004	.0020	-.0002	.0006	.0007	-.0002	-.0099	-.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	**.0002**	**-.0187**	**.0292**	**.0031**	**.0007**	**.0006**	**-.0001**	**.0025**	**.0007**
Stddev	.0003	.0141	.0168	.0054	.0002	.0001	.0007	.0001	.0004
%RSD	118.2	75.54	57.58	175.8	22.56	10.11	1068.	2.067	55.99
#1	.0000	-.0087	.0173	.0069	.0006	.0007	.0004	.0024	.0009
#2	.0004	-.0287	.0411	-.0008	.0008	.0006	-.0005	.0025	.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: 6/20/2014 14:38:40 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0126**	**.0009**	**-.0038**	**-.0002**	**.0002**
Stddev	.0000	.0006	.0030	.0001	.0015	.0002	.0005
%RSD	37.59	736.8	23.54	5.679	39.18	74.39	211.3
#1	.0000	-.0003	.0147	.0010	-.0028	-.0004	.0006
#2	.0001	.0005	.0105	.0009	-.0049	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58859.**	**8771.1**	**1947.9**	**4166.6**
Stddev	62.	6.1	3.6	11.7
%RSD	.10455	.06937	.18340	.28098
#1	58815.	8766.8	1950.5	4174.9
#2	58902.	8775.4	1945.4	4158.3

Zoom In Zoom Out

Sample Name: jb69295-8f Acquired: 6/20/2014 14:44:52 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1714**	**-.0001**	**.0002**	**.0006**	**.0006**	**.0005**	**.1726**	**.0030**	**.0010**
Stddev	.0003	.0000	.0000	.0000	.0002	.0003	.0003	.0001	.0005
%RSD	.1773	2.616	21.07	4.867	30.71	59.87	.1824	3.063	45.63
#1	.1716	-.0001	.0002	.0006	.0005	.0003	.1724	.0029	.0013
#2	.1712	-.0001	.0002	.0006	.0008	.0007	.1728	.0030	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0052**	**.0006**	**-.0021**	**.0001**	**.0024**	**.0001**	**.0316**	**88.17**
Stddev	.0004	.0001	.0005	.0010	.0007	.0030	.0010	.0000	.04
%RSD	158.8	1.515	83.94	45.92	885.5	127.2	835.0	.0707	.0508
#1	.0000	.0053	.0010	-.0014	-.0004	.0045	.0008	.0316	88.20
#2	-.0005	.0051	.0003	-.0028	.0006	.0002	-.0006	.0316	88.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0030**	**22.36**	**6.500**	**141.3**	**.0430**	**.0006**	**.0054**	**5.940**	**-.0006**
Stddev	.0019	.11	.003	.4	.0006	.0001	.0008	.068	.0003
%RSD	62.26	.4776	.0515	.2650	1.395	15.33	15.58	1.138	47.81
#1	.0017	22.44	6.498	141.1	.0425	.0006	.0059	5.892	-.0008
#2	.0043	22.29	6.503	141.6	.0434	.0007	.0048	5.988	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2140**	**.0003**	**.0115**	**.0002**	**11.69**	**-.0007**	**.0024**
Stddev	.0001	.0006	.0003	.0000	.13	.0005	.0003
%RSD	.0671	190.0	2.212	6.582	1.078	69.09	11.49
#1	.2139	.0008	.0113	.0002	11.60	-.0003	.0022
#2	.2141	-.0001	.0117	.0002	11.78	-.0010	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53387.**	**8420.6**	**1733.6**	**3480.9**
Stddev	25.	21.3	14.4	25.3
%RSD	.04734	.25270	.82877	.72747
#1	53369.	8435.7	1743.8	3498.8
#2	53405.	8405.6	1723.4	3463.0

Zoom In Zoom Out

Sample Name: jb69295-9f Acquired: 6/20/2014 14:51:04 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3758**	**-.0003**	**.0000**	**.0005**	**.0001**	**.0005**	**11.22**	**.0009**	**.0027**
Stddev	.0140	.0000	.0000	.0002	.0005	.0003	.13	.0001	.0003
%RSD	3.724	10.69	108.6	48.51	647.7	60.32	1.163	16.12	11.18
#1	.3857	-.0003	.0001	.0006	-.0003	.0007	11.31	.0008	.0029
#2	.3659	-.0003	.0000	.0003	.0005	.0003	11.13	.0010	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**-.0016**	**.0044**	**.0001**	**.0077**	**.0066**	**-.0008**	**.0353**	**95.84**
Stddev	.0003	.0001	.0001	.0009	.0010	.0006	.0004	.0091	3.51
%RSD	72.67	5.330	2.144	718.7	13.06	9.754	53.04	25.77	3.666
#1	-.0006	-.0017	.0045	.0008	.0070	.0070	-.0011	.0418	98.32
#2	-.0002	-.0016	.0044	-.0005	.0084	.0061	-.0005	.0289	93.35

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.47**	**16.92**	**4.604**	**41.39**	**.0603**	**.0003**	**.0046**	**6.355**	**-.0016**
Stddev	.40	.64	.157	1.45	.0005	.0001	.0003	.035	.0003
%RSD	3.816	3.789	3.406	3.507	.8284	25.66	5.572	.5515	18.90
#1	10.75	17.37	4.715	42.42	.0600	.0004	.0048	6.380	-.0014
#2	10.18	16.46	4.493	40.36	.0607	.0003	.0045	6.330	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4812**	**.0000**	**.0252**	**.0003**	**.2561**	**-.0011**	**.0053**
Stddev	.0169	.0001	.0018	.0002	.0040	.0010	.0002
%RSD	3.519	766.1	7.080	58.18	1.574	95.41	4.155
#1	.4932	-.0001	.0240	.0004	.2532	-.0018	.0055
#2	.4692	.0001	.0265	.0002	.2589	-.0004	.0052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54645.**	**8705.8**	**1816.2**	**3709.9**
Stddev	208.	262.6	11.5	18.4
%RSD	.38153	3.0159	.63468	.49726
#1	54498.	8520.2	1808.0	3696.8
#2	54793.	8891.5	1824.3	3722.9

Zoom In Zoom Out

Sample Name: jb69295-10f Acquired: 6/20/2014 14:57:17 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.050**	**-.0002**	**.0001**	**.0042**	**-.0000**	**.0001**	**6.400**	**.0036**	**.0040**
Stddev	.009	.0001	.0002	.0003	.0006	.0001	.009	.0006	.0001
%RSD	.8862	57.65	316.8	6.191	4106.	107.0	.1417	16.69	1.624
#1	1.057	-.0003	-.0001	.0044	-.0004	.0002	6.394	.0032	.0041
#2	1.044	-.0001	.0002	.0040	.0004	.0000	6.407	.0041	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0004**	**.0032**	**-.0001**	**.0005**	**.0057**	**-.0005**	**.0427**	**119.0**
Stddev	.0007	.0000	.0004	.0014	.0003	.0004	.0002	.0072	1.4
%RSD	181.0	10.34	11.84	1519.	50.57	6.402	33.64	16.81	1.199
#1	.0001	.0004	.0029	.0009	.0003	.0060	-.0004	.0376	120.0
#2	-.0009	.0004	.0035	-.0011	.0007	.0054	-.0006	.0478	118.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.536**	**13.60**	**4.990**	**68.51**	**.1073**	**.0005**	**.0066**	**9.039**	**-.0019**
Stddev	.035	.18	.049	.58	.0002	.0002	.0003	.005	.0003
%RSD	.9787	1.324	.9724	.8478	.1721	43.70	4.873	.0568	15.76
#1	3.561	13.73	5.024	68.92	.1072	.0003	.0069	9.036	-.0021
#2	3.512	13.48	4.956	68.10	.1074	.0007	.0064	9.043	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3070**	**-.0001**	**.0111**	**.0003**	**.0954**	**-.0002**	**.0210**
Stddev	.0022	.0002	.0001	.0002	.0002	.0002	.0001
%RSD	.7307	176.9	.7004	53.22	.1928	88.22	.5476
#1	.3086	-.0003	.0111	.0005	.0955	-.0001	.0210
#2	.3054	.0000	.0112	.0002	.0953	-.0003	.0211

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	55068.	8608.5	1782.1	3623.2
Stddev	170.	126.1	1.5	1.1
%RSD	.30933	1.4652	.08468	.03114
#1	54948.	8519.3	1781.1	3622.4
#2	55189.	8697.7	1783.2	3624.0

Zoom In Zoom Out

Sample Name: mp80163-mb1 2 Acquired: 6/20/2014 15:03:24 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0002**	**-.0000**	**.0005**	**.0000**	**-.0002**	**-.0003**
Stddev	.0000	.0001	.0001	.0000	.0002	.0000	.0000	.0001	.0001
%RSD	95.32	51.10	116.0	30.97	1046.	8.401	127.4	38.02	36.77
#1	-.0001	-.0002	.0000	.0001	-.0002	.0006	.0001	-.0002	-.0002
#2	-.0000	-.0001	.0002	.0002	.0001	.0005	.0000	-.0003	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0005**	**.0005**	**-.0009**	**.0003**	**-.0001**	**-.0011**	**-.0031**	**.0028**
Stddev	.0001	.0000	.0006	.0003	.0011	.0016	.0002	.0069	.0013
%RSD	34.96	9.213	131.5	30.00	398.5	1286.	14.51	222.7	44.51
#1	-.0003	.0005	.0009	-.0007	-.0005	.0010	-.0010	.0018	.0037
#2	-.0002	.0006	.0000	-.0011	.0010	-.0013	-.0012	-.0080	.0019

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0029**	**-.0039**	**.0216**	**.0187**	**-.0000**	**.0000**	**-.0002**	**.0088**	**.0009**
Stddev	.0015	.0443	.0009	.0056	.0005	.0001	.0012	.0005	.0000
%RSD	51.63	1139.	4.359	29.93	12480.	179.6	634.0	5.908	.6885
#1	.0039	.0275	.0209	.0147	-.0004	.0001	-.0010	.0084	.0009
#2	.0018	-.0352	.0223	.0226	.0004	-.0000	.0006	.0092	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0002**	**-.0087**	**-.0000**	**-.0019**	**-.0007**	**.0004**
Stddev	.0000	.0003	.0019	.0001	.0027	.0005	.0003
%RSD	25.32	144.1	21.33	155.3	140.9	73.89	76.47
#1	.0000	.0000	-.0074	.0000	-.0000	-.0010	.0002
#2	.0001	-.0004	-.0100	-.0001	-.0039	-.0003	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59821.	8901.2	1935.2	4168.3
Stddev	139.	25.6	2.0	3.6
%RSD	.23188	.28753	.10145	.08738
#1	59919.	8919.2	1936.6	4170.8
#2	59723.	8883.1	1933.8	4165.7

Zoom In Zoom Out

Sample Name: mp80163-b1 Acquired: 6/20/2014 15:09:32 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.020**	**.0536**	**.0547**	**.5063**	**.2123**	**.2536**	**.5198**	**.5225**	**.0544**
Stddev	.003	.0002	.0003	.0003	.0000	.0004	.0003	.0022	.0005
%RSD	.1438	.4139	.5725	.0528	.0071	.1604	.0482	.4282	.8366
#1	2.018	.0538	.0549	.5065	.2124	.2533	.5196	.5241	.0540
#2	2.022	.0534	.0544	.5061	.2123	.2539	.5199	.5209	.0547

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5188**	**.5263**	**2.096**	**2.185**	**.5461**	**2.087**	**.5170**	**2.057**	**25.37**
Stddev	.0023	.0016	.003	.003	.0020	.009	.0016	.005	.01
%RSD	.4364	.3020	.1368	.1232	.3698	.4346	.3183	.2271	.0390
#1	.5172	.5274	2.098	2.187	.5476	2.093	.5182	2.054	25.37
#2	.5204	.5251	2.094	2.183	.5447	2.081	.5159	2.060	25.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.092**	**25.60**	**25.02**	**25.74**	**2.127**	**2.043**	**2.080**	**2.103**	**2.111**
Stddev	.005	.18	.04	.03	.005	.005	.001	.011	.005
%RSD	.4931	.6861	.1563	.1332	.2451	.2576	.0510	.5236	.2384
#1	1.088	25.72	24.99	25.71	2.131	2.047	2.081	2.111	2.114
#2	1.096	25.47	25.05	25.76	2.124	2.040	2.080	2.096	2.107

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.079**	**2.135**	**.0140**	**.0001**	**.0011**	**.0025**	**-.0001**
Stddev	.006	.001	.0000	.0000	.0026	.0002	.0003
%RSD	.2678	.0470	.0904	57.62	235.0	8.079	198.9
#1	2.075	2.134	.0140	.0001	.0030	.0024	-.0004
#2	2.083	2.135	.0140	.0000	-.0007	.0027	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56284.	8669.5	1839.9	3794.5
Stddev	165.	2.1	2.3	5.8
%RSD	.29381	.02415	.12374	.15192
#1	56401.	8668.0	1838.3	3790.4
#2	56167.	8671.0	1841.6	3798.5

Zoom In Zoom Out

Sample Name: mp80163-lc1 Acquired: 6/20/2014 15:15:27 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5196**	**.5108**	**.4978**	**.4899**	**.5291**	**.4986**	**.5224**	**.5113**	**.1925**
Stddev	.0026	.0013	.0001	.0000	.0004	.0050	.0014	.0009	.0006
%RSD	.5074	.2494	.0219	.0066	.0824	1.005	.2647	.1738	.3165
#1	.5215	.5117	.4979	.4900	.5288	.4950	.5215	.5106	.1920
#2	.5177	.5099	.4977	.4899	.5295	.5021	.5234	.5119	.1929

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5169**	**.5192**	**.4957**	**.5355**	**.5287**	**.4965**	**.4965**	**5.184**	**5.779**
Stddev	.0016	.0004	.0026	.0024	.0013	.0022	.0011	.001	.008
%RSD	.3105	.0800	.5269	.4410	.2441	.4503	.2303	.0192	.1307
#1	.5157	.5189	.4939	.5339	.5278	.4981	.4973	5.184	5.774
#2	.5180	.5194	.4976	.5372	.5296	.4949	.4957	5.183	5.784

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.850**	**5.501**	**10.04**	**10.38**	**.0115**	**.5038**	**.0014**	**.0320**	**.0023**
Stddev	.009	.029	.02	.03	.0004	.0003	.0006	.0001	.0008
%RSD	.1575	.5264	.2219	.3018	3.893	.0603	40.94	.4218	35.93
#1	5.857	5.481	10.06	10.41	.0118	.5040	.0018	.0321	.0017
#2	5.844	5.522	10.02	10.36	.0111	.5036	.0010	.0319	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5285**	**-.0018**	**.0002**	**.0013**	**-.0005**	**.0009**
Stddev	.0000	.0001	.0005	.0003	.0003	.0006	.0004
%RSD	19.99	.0115	25.07	133.5	23.15	117.1	41.40
#1	-.0001	.5285	-.0021	.0000	.0015	-.0001	.0011
#2	-.0001	.5285	-.0015	.0004	.0010	-.0009	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	57087.	8749.8	1877.6	3940.8
Stddev	84.	25.5	2.9	.3
%RSD	.14708	.29090	.15700	.00759
#1	57147.	8767.8	1875.5	3941.0
#2	57028.	8731.8	1879.7	3940.5

Zoom In Zoom Out

Sample Name: mp80163-s1 Acquired: 6/20/2014 15:21:25 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.095**	**.0520**	**.0539**	**.4908**	**.2066**	**.2516**	**.7704**	**.5059**	**.0550**
Stddev	.003	.0001	.0008	.0046	.0041	.0074	.0202	.0058	.0011
%RSD	.1214	.1397	1.500	.9411	1.985	2.937	2.623	1.149	2.053
#1	2.093	.0520	.0545	.4940	.2037	.2464	.7561	.5101	.0542
#2	2.097	.0521	.0533	.4875	.2095	.2568	.7847	.5018	.0558

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5112**	**.5123**	**2.046**	**2.085**	**.5306**	**2.038**	**.5040**	**2.047**	**111.6**
Stddev	.0115	.0067	.020	.021	.0062	.019	.0034	.002	.3
%RSD	2.244	1.305	.9537	.9858	1.159	.9187	.6845	.0902	.3103
#1	.5031	.5171	2.060	2.100	.5350	2.052	.5064	2.048	111.9
#2	.5193	.5076	2.032	2.071	.5263	2.025	.5015	2.045	111.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.107**	**66.91**	**29.01**	**50.54**	**2.199**	**1.968**	**2.065**	**7.879**	**2.020**
Stddev	.001	.35	.02	.06	.015	.018	.055	.076	.025
%RSD	.0532	.5302	.0689	.1259	.6724	.9199	2.669	.9615	1.253
#1	1.107	67.17	29.02	50.59	2.210	1.980	2.026	7.933	2.038
#2	1.107	66.66	29.00	50.50	2.189	1.955	2.104	7.826	2.002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.387**	**2.092**	**.0181**	**.0001**	**1.228**	**.0021**	**.0046**
Stddev	.001	.054	.0005	.0002	.012	.0005	.0005
%RSD	.0214	2.572	2.834	174.9	.9588	21.20	11.21
#1	2.388	2.054	.0177	-.0000	1.237	.0018	.0050
#2	2.387	2.130	.0184	.0002	1.220	.0024	.0043

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53442.**	**8407.9**	**1778.4**	**3581.8**
Stddev	1276.	30.1	12.1	28.5
%RSD	2.3879	.35781	.67905	.79516
#1	54345.	8386.7	1769.8	3561.6
#2	52540.	8429.2	1786.9	3601.9

Zoom In Zoom Out

Sample Name: mp80163-s2 Acquired: 6/20/2014 15:27:19 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.151**	**.0530**	**.0548**	**.5030**	**.2083**	**.2542**	**.7788**	**.5205**	**.0559**
Stddev	.004	.0001	.0003	.0001	.0005	.0004	.0001	.0003	.0007
%RSD	.2047	.1148	.5197	.0138	.2190	.1725	.0189	.0606	1.170
#1	2.154	.0530	.0546	.5030	.2080	.2539	.7789	.5203	.0555
#2	2.148	.0529	.0550	.5029	.2086	.2545	.7787	.5207	.0564

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5128**	**.5222**	**2.123**	**2.139**	**.5428**	**2.113**	**.5278**	**2.093**	**114.9**
Stddev	.0005	.0006	.001	.002	.0016	.004	.0022	.016	.9
%RSD	.1072	.1203	.0362	.0767	.3006	.1690	.4176	.7644	.7497
#1	.5124	.5227	2.122	2.138	.5416	2.111	.5262	2.104	115.5
#2	.5131	.5218	2.124	2.140	.5439	2.116	.5293	2.081	114.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.127**	**68.60**	**29.61**	**52.13**	**2.281**	**2.020**	**2.085**	**8.257**	**2.069**
Stddev	.004	.74	.06	.17	.006	.005	.002	.023	.006
%RSD	.3477	1.075	.2124	.3216	.2532	.2468	.1066	.2733	.2836
#1	1.129	69.12	29.65	52.25	2.277	2.017	2.083	8.242	2.064
#2	1.124	68.08	29.57	52.01	2.286	2.024	2.087	8.273	2.073

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.454**	**2.109**	**.0203**	**-.0003**	**1.300**	**.0017**	**.0043**
Stddev	.006	.001	.0002	.0001	.002	.0006	.0005
%RSD	.2605	.0433	.7862	50.03	.1524	33.22	11.96
#1	2.458	2.108	.0204	-.0002	1.298	.0021	.0039
#2	2.449	2.109	.0202	-.0004	1.301	.0013	.0046

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54172.**	**8516.9**	**1752.2**	**3539.0**
Stddev	119.	68.4	5.4	5.3
%RSD	.21891	.80282	.30666	.15049
#1	54256.	8468.6	1756.0	3542.7
#2	54088.	8565.3	1748.4	3535.2

Zoom In Zoom Out

Sample Name: jb69425-1 Acquired: 6/20/2014 15:33:13 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (163)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1529**	**-.0001**	**.0002**	**.0001**	**.0006**	**.0012**	**.2812**	**-.0001**	**.0019**
Stddev	.0004	.0000	.0000	.0001	.0003	.0001	.0042	.0000	.0004
%RSD	.2461	33.43	6.876	86.61	51.80	11.73	1.498	14.45	20.47
#1	.1526	-.0001	.0002	.0002	.0008	.0011	.2842	-.0000	.0021
#2	.1532	-.0001	.0002	.0001	.0004	.0013	.2782	-.0001	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0104**	**.0006**	**.0007**	**.0015**	**.0020**	**.0004**	**.0396**	**92.93**
Stddev	.0001	.0001	.0001	.0003	.0003	.0010	.0008	.0137	.01
%RSD	20.24	1.262	14.02	51.52	19.59	49.65	189.7	34.55	.0132
#1	-.0005	.0103	.0005	.0009	.0013	.0013	-.0001	.0493	92.94
#2	-.0004	.0105	.0007	.0004	.0017	.0027	.0010	.0299	92.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0694**	**43.56**	**4.515**	**27.06**	**.1339**	**-.0002**	**.0055**	**6.281**	**-.0005**
Stddev	.0004	.02	.002	.02	.0002	.0000	.0003	.029	.0003
%RSD	.5254	.0558	.0453	.0586	.1742	33.18	4.958	.4634	50.26
#1	.0692	43.57	4.514	27.07	.1341	-.0001	.0057	6.302	-.0003
#2	.0697	43.54	4.517	27.05	.1337	-.0002	.0053	6.261	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4132**	**-.0000**	**-.0035**	**.0001**	**1.306**	**-.0013**	**.0042**
Stddev	.0001	.0002	.0010	.0000	.009	.0021	.0003
%RSD	.0160	1820.	27.64	17.04	.6646	163.3	6.564
#1	.4131	.0002	-.0028	.0001	1.312	.0002	.0040
#2	.4132	-.0002	-.0042	.0001	1.300	-.0028	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54230.**	**8535.1**	**1773.1**	**3635.1**
Stddev	438.	4.8	7.4	10.8
%RSD	.80687	.05637	.41776	.29594
#1	53920.	8538.5	1767.9	3627.4
#2	54539.	8531.7	1778.3	3642.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 15:39:21 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.958**	**1.978**	**2.000**	**2.013**	**2.064**	**1.956**	**2.035**	**2.081**	**.2405**
Stddev	.001	.009	.001	.000	.003	.008	.001	.001	.0005
%RSD	.0569	.4417	.0395	.0165	.1310	.4145	.0609	.0293	.1878
#1	1.957	1.972	1.999	2.013	2.062	1.950	2.034	2.081	.2408
#2	1.959	1.984	2.000	2.012	2.066	1.961	2.036	2.081	.2401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.055**	**1.926**	**2.083**	**2.114**	**1.938**	**2.004**	**39.93**	**40.03**
Stddev	.006	.002	.008	.004	.004	.002	.002	.05	.26
%RSD	.2891	.0815	.4116	.1960	.1997	.0894	.0753	.1144	.6378
#1	1.990	2.057	1.921	2.080	2.111	1.937	2.002	39.89	39.85
#2	1.998	2.054	1.932	2.086	2.117	1.939	2.005	39.96	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	**40.10**	**38.65**	**38.21**	**39.20**	**2.036**	**1.991**	**1.978**	**4.921**	**2.090**
Stddev	.20	.28	.12	.03	.002	.002	.007	.010	.002
%RSD	.4982	.7373	.3011	.0676	.0749	.0825	.3369	.2104	.1149
#1	39.96	38.45	38.13	39.18	2.035	1.989	1.973	4.914	2.088
#2	40.24	38.85	38.29	39.22	2.037	1.992	1.983	4.929	2.091
Check ?	Chk Pass	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: 6/20/2014 15:39:21 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.018**	F **1.752**	**2.016**	**1.915**	**1.951**	**1.881**
Stddev	.002	.003	.013	.007	.002	.005	.002
%RSD	.0840	.1634	.7292	.3443	.1175	.2560	.1206
#1	2.005	2.016	1.743	2.011	1.913	1.948	1.883
#2	2.008	2.021	1.761	2.021	1.917	1.955	1.880
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55153.**	**8474.2**	**1839.8**	**3672.8**
Stddev	171.	67.5	5.0	8.2
%RSD	.31022	.79622	.27080	.22393
#1	55274.	8521.9	1843.3	3678.6
#2	55032.	8426.5	1836.3	3667.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 15:45:15 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

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**	**.0005**	**-.0003**	**-.0000**	**-.0002**	**-.0002**
Stddev	.0001	.0000	.0002	.0001	.0004	.0002	.0000	.0001	.0001
%RSD	46.20	27.89	802.0	652.9	88.53	92.40	729.4	52.77	48.99
#1	.0002	-.0002	-.0001	-.0001	.0007	-.0001	.0000	-.0001	-.0002
#2	.0001	-.0001	.0001	.0001	.0002	-.0004	-.0000	-.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0002**	**.0013**	**-.0001**	**-.0001**	**-.0008**	**-.0004**	**.0059**	**-.0060**
Stddev	.0001	.0000	.0004	.0006	.0010	.0010	.0009	.0074	.0009
%RSD	38.18	21.58	29.19	587.5	1042.	121.4	213.9	125.2	14.64
#1	-.0004	.0002	.0016	-.0005	-.0008	-.0016	-.0010	.0007	-.0054
#2	-.0003	.0001	.0010	.0003	.0006	-.0001	.0002	.0111	-.0066
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	**.0010**	**-.0081**	**.0367**	**.0078**	**.0010**	**.0005**	**-.0006**	**.0021**	**.0001**
Stddev	.0020	.0243	.0092	.0056	.0001	.0000	.0002	.0003	.0007
%RSD	195.9	301.1	25.11	71.53	9.659	5.796	36.36	14.76	642.8
#1	.0025	-.0253	.0302	.0118	.0010	.0005	-.0008	.0023	.0006
#2	-.0004	.0091	.0432	.0039	.0011	.0006	-.0005	.0019	-.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: 6/20/2014 15:45:15 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0084**	**.0010**	**-.0052**	**-.0006**	**.0010**
Stddev	.0000	.0000	.0010	.0001	.0007	.0001	.0005
%RSD	.7344	65.35	11.78	7.568	12.93	22.14	51.72
#1	.0001	.0000	.0091	.0010	-.0057	-.0005	.0006
#2	.0001	.0001	.0077	.0009	-.0047	-.0007	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58805.**	**8690.2**	**1943.7**	**4143.9**
Stddev	60.	21.1	3.3	10.4
%RSD	.10183	.24325	.16906	.25028
#1	58762.	8675.3	1946.0	4151.2
#2	58847.	8705.2	1941.4	4136.6

Zoom In Zoom Out

Sample Name: mp80163-sd1 Acquired: 6/20/2014 15:51:26 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 425-1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1543**	**-.0005**	**.0000**	**-.0001**	**.0019**	**-.0000**	**.2874**	**-.0004**	**.0009**
Stddev	.0002	.0000	.0000	.0002	.0013	.0004	.0009	.0004	.0032
%RSD	.1041	9.255	597.5	171.2	67.16	1811.	.3283	103.3	359.8
#1	.1544	-.0005	-.0000	-.0003	.0028	.0002	.2867	-.0001	.0032
#2	.1542	-.0005	.0000	.0000	.0010	-.0003	.2881	-.0007	-.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0010**	**.0135**	**.0039**	**.0012**	**-.0002**	**-.0004**	**-.0022**	**.0221**	**95.82**
Stddev	.0026	.0012	.0040	.0041	.0001	.0096	.0024	.0208	.42
%RSD	271.3	8.586	103.0	334.6	44.91	2262.	108.5	94.28	.4349
#1	.0009	.0127	.0068	.0041	-.0003	-.0072	-.0039	.0368	96.12
#2	-.0028	.0143	.0011	-.0017	-.0002	.0064	-.0005	.0074	95.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0953**	**44.19**	**4.574**	**26.89**	**.1273**	**.0013**	**.0032**	**6.059**	**.0006**
Stddev	.0051	.16	.029	.06	.0023	.0002	.0030	.060	.0001
%RSD	5.351	.3588	.6243	.2311	1.820	17.24	91.88	.9958	11.20
#1	.0989	44.31	4.594	26.93	.1257	.0011	.0053	6.016	.0006
#2	.0917	44.08	4.554	26.84	.1289	.0014	.0011	6.102	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4182**	**.0004**	**.0137**	**.0031**	**1.218**	**.0016**	**.0078**
Stddev	.0002	.0009	.0028	.0002	.033	.0016	.0018
%RSD	.0513	208.0	20.08	4.954	2.694	100.7	22.45
#1	.4184	.0010	.0157	.0030	1.195	.0005	.0066
#2	.4180	-.0002	.0118	.0032	1.242	.0028	.0090

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56618.**	**8503.8**	**1914.3**	**4020.0**
Stddev	66.	62.6	17.4	40.7
%RSD	.11742	.73577	.90678	1.0118
#1	56571.	8459.6	1926.5	4048.7
#2	56665.	8548.0	1902.0	3991.2

Zoom In Zoom Out

Sample Name: jb68943-97 Acquired: 6/20/2014 15:57:32 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5307**	**.0350**	**.1698**	**.2360**	**.1294**	**.2009**	**10.94**	**.2786**	**.0093**
Stddev	.0002	.0000	.0002	.0003	.0008	.0007	.08	.0004	.0001
%RSD	.0300	.0145	.0974	.1476	.6197	.3501	.7444	.1600	.8135
#1	.5306	.0350	.1697	.2357	.1300	.2014	11.00	.2789	.0092
#2	.5308	.0350	.1699	.2362	.1288	.2004	10.88	.2782	.0093

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3373**	**9.998**	**.0720**	**-.0089**	**.0848**	**-.0044**	**-.0057**	**40.48**	**54.70**
Stddev	.0004	.009	.0008	.0034	.0026	.0029	.0013	.09	.06
%RSD	.1260	.0853	1.042	38.11	3.016	66.35	22.51	.2308	.1177
#1	.3376	9.992	.0725	-.0113	.0830	-.0065	-.0066	40.42	54.74
#2	.3370	10.00	.0715	-.0065	.0866	-.0023	-.0048	40.55	54.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**349.9**	**30.85**	**9.645**	**67.81**	**.1021**	**.0139**	**.0405**	**43.60**	**-.0053**
Stddev	.3	.20	.013	.20	.0005	.0000	.0011	.09	.0004
%RSD	.0741	.6338	.1333	.2893	.5132	.3318	2.604	.2156	7.555
#1	350.1	30.99	9.635	67.67	.1025	.0139	.0412	43.67	-.0050
#2	349.7	30.71	9.654	67.94	.1018	.0138	.0397	43.53	-.0056

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1823**	**.5823**	**.0729**	**.0299**	**28.97**	**-.0088**	**.0498**
Stddev	.0006	.0016	.0003	.0001	.04	.0015	.0003
%RSD	.3356	.2818	.4300	.4522	.1290	16.55	.5370
#1	.1818	.5811	.0731	.0300	28.99	-.0077	.0496
#2	.1827	.5835	.0727	.0298	28.94	-.0098	.0500

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72113.**	**11408.**	**2347.6**	**3616.9**
Stddev	72.	9.	3.6	.1
%RSD	.09971	.08031	.15124	.00315
#1	72062.	11414.	2345.1	3617.0
#2	72164.	11401.	2350.1	3616.8

Zoom In Zoom Out

Sample Name: jb69295-11 Acquired: 6/20/2014 16:03:37 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4100**	**-.0005**	**-.0000**	**.0002**	**.0005**	**.0014**	**11.36**	**.0011**	**.0026**
Stddev	.0002	.0000	.0002	.0002	.0001	.0000	.01	.0005	.0000
%RSD	.0586	8.691	350.0	84.37	16.22	3.100	.0671	43.29	.4338
#1	.4099	-.0005	.0001	.0001	.0005	.0014	11.37	.0008	.0026
#2	.4102	-.0005	-.0001	.0004	.0004	.0014	11.36	.0014	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0115**	**.0047**	**.0021**	**.0104**	**.0036**	**-.0000**	**.1081**	**92.15**
Stddev	.0006	.0002	.0004	.0017	.0001	.0005	.0016	.0068	.04
%RSD	78.56	1.753	8.407	77.65	.5054	13.86	13500.	6.247	.0482
#1	-.0011	.0113	.0044	.0033	.0104	.0033	-.0011	.1128	92.18
#2	-.0003	.0116	.0050	.0010	.0103	.0040	.0011	.1033	92.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.76**	**18.50**	**4.542**	**38.71**	**.1049**	**-.0001**	**.0033**	**6.467**	**-.0007**
Stddev	.02	.00	.021	.08	.0001	.0001	.0001	.048	.0004
%RSD	.1978	.0200	.4645	.2011	.1293	64.64	4.312	.7341	54.49
#1	10.78	18.50	4.557	38.77	.1050	-.0001	.0032	6.433	-.0009
#2	10.75	18.51	4.528	38.66	.1048	-.0002	.0034	6.501	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4395**	**.0022**	**.0043**	**.0007**	**.3599**	**-.0001**	**.0060**
Stddev	.0007	.0003	.0000	.0000	.0037	.0008	.0007
%RSD	.1628	13.79	.3462	.4847	1.020	1431.	12.47
#1	.4401	.0020	.0043	.0007	.3573	-.0006	.0054
#2	.4390	.0024	.0043	.0007	.3625	.0005	.0065

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54267.**	**8305.4**	**1780.6**	**3638.1**
Stddev	96.	8.5	12.3	20.1
%RSD	.17702	.10272	.68943	.55343
#1	54334.	8311.4	1789.2	3652.3
#2	54199.	8299.4	1771.9	3623.8

Zoom In Zoom Out

Sample Name: jb69295-12 Acquired: 6/20/2014 16:09:50 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1312**	**-.0002**	**.0000**	**.0025**	**.0007**	**.0036**	**6.291**	**.0012**	**.0014**
Stddev	.0004	.0000	.0001	.0001	.0003	.0003	.061	.0000	.0004
%RSD	.2953	7.762	182.8	2.755	47.85	9.649	.9754	1.240	33.15
#1	.1315	-.0002	-.0000	.0024	.0009	.0033	6.248	.0012	.0017
#2	.1310	-.0002	.0001	.0025	.0005	.0038	6.335	.0012	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0037**	**.0047**	**-.0002**	**.0074**	**.0017**	**-.0005**	**.0788**	**40.80**
Stddev	.0000	.0000	.0003	.0001	.0009	.0010	.0010	.0010	.16
%RSD	8.181	.5953	7.141	26.12	12.07	60.79	196.5	1.298	.3950
#1	.0002	.0037	.0045	-.0003	.0081	.0010	.0002	.0795	40.92
#2	.0002	.0037	.0050	-.0002	.0068	.0024	-.0013	.0780	40.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.02**	**6.679**	**2.431**	**12.66**	**.0791**	**.0004**	**.0032**	**3.996**	**-.0003**
Stddev	.09	.097	.014	.04	.0000	.0000	.0002	.005	.0011
%RSD	.5835	1.458	.5929	.3066	.0494	7.222	6.514	.1335	352.5
#1	15.08	6.748	2.441	12.68	.0792	.0004	.0030	3.992	-.0010
#2	14.96	6.610	2.421	12.63	.0791	.0004	.0033	3.999	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1876**	**.0021**	**.0019**	**.0006**	**.4410**	**-.0010**	**.0008**
Stddev	.0007	.0001	.0011	.0002	.0028	.0005	.0003
%RSD	.3960	5.934	55.79	30.38	.6263	44.81	43.12
#1	.1881	.0020	.0027	.0007	.4391	-.0007	.0005
#2	.1871	.0022	.0012	.0005	.4430	-.0014	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56228.**	**8594.6**	**1830.5**	**3823.2**
Stddev	360.	29.6	.2	1.0
%RSD	.64083	.34432	.01344	.02720
#1	56483.	8573.7	1830.3	3822.5
#2	55973.	8615.6	1830.7	3823.9

Zoom In Zoom Out

Sample Name: jb69295-13 Acquired: 6/20/2014 16:15:57 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3128**	**-.0004**	**-.0001**	**.0025**	**.0002**	**.0012**	**11.71**	**.0018**	**.0028**
Stddev	.0004	.0000	.0001	.0002	.0002	.0001	.01	.0004	.0011
%RSD	.1428	1.408	72.21	9.437	110.2	11.18	.0547	23.83	37.43
#1	.3131	-.0004	-.0001	.0023	.0004	.0013	11.70	.0021	.0021
#2	.3125	-.0004	-.0000	.0026	.0000	.0011	11.71	.0015	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0010**	**-.0014**	**.0150**	**.0019**	**.0116**	**.0023**	**.0007**	**.1648**	**61.24**
Stddev	.0004	.0000	.0010	.0009	.0001	.0001	.0001	.0115	.30
%RSD	38.76	1.535	6.595	45.75	.9555	2.300	10.87	6.953	.4900
#1	-.0008	-.0013	.0157	.0013	.0116	.0022	.0008	.1729	61.03
#2	-.0013	-.0014	.0143	.0025	.0115	.0023	.0007	.1567	61.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**31.15**	**18.22**	**1.931**	**15.76**	**.1073**	**.0003**	**.0043**	**5.955**	**-.0008**
Stddev	.17	.11	.001	.01	.0001	.0000	.0004	.017	.0002
%RSD	.5377	.5834	.0696	.0373	.1329	14.11	8.420	.2831	27.72
#1	31.03	18.15	1.932	15.76	.1072	.0003	.0045	5.943	-.0006
#2	31.27	18.30	1.930	15.77	.1074	.0004	.0040	5.967	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2789**	**.0047**	**.0023**	**.0008**	**.5075**	**-.0000**	**.0027**
Stddev	.0002	.0003	.0003	.0001	.0003	.0004	.0002
%RSD	.0802	6.749	15.27	19.74	.0547	2181.	7.656
#1	.2787	.0049	.0020	.0006	.5073	-.0003	.0028
#2	.2790	.0045	.0025	.0009	.5077	.0002	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55591.**	**8584.5**	**1816.0**	**3766.2**
Stddev	20.	55.4	7.4	19.4
%RSD	.03529	.64520	.40641	.51613
#1	55577.	8623.7	1821.2	3779.9
#2	55605.	8545.3	1810.8	3752.4

Zoom In Zoom Out

Sample Name: jb69295-14 Acquired: 6/20/2014 16:22:10 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2861**	**-.0002**	**.0002**	**.0044**	**.0005**	**.0012**	**8.754**	**.0063**	**.0023**
Stddev	.0002	.0001	.0001	.0002	.0010	.0003	.063	.0002	.0000
%RSD	.0731	26.74	43.17	4.093	201.3	22.41	.7218	3.262	.5723
#1	.2862	-.0002	.0001	.0043	-.0002	.0013	8.798	.0062	.0023
#2	.2859	-.0003	.0003	.0045	.0012	.0010	8.709	.0065	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0279**	**.0057**	**-.0003**	**.0024**	**.0033**	**-.0002**	**.1463**	**141.0**
Stddev	.0003	.0001	.0003	.0008	.0004	.0004	.0001	.0039	.5
%RSD	69.58	.2128	5.951	317.8	15.04	13.63	35.58	2.666	.3408
#1	-.0002	.0279	.0059	-.0009	.0022	.0030	-.0003	.1435	140.6
#2	-.0007	.0280	.0054	.0003	.0027	.0036	-.0002	.1491	141.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.616**	**21.78**	**12.30**	**35.39**	**.1898**	**.0011**	**.0020**	**5.729**	**-.0008**
Stddev	.002	.03	.02	.09	.0015	.0001	.0007	.006	.0005
%RSD	.1024	.1405	.1388	.2654	.8017	9.526	35.21	.1047	64.19
#1	1.614	21.80	12.29	35.33	.1908	.0010	.0015	5.733	-.0004
#2	1.617	21.76	12.31	35.46	.1887	.0011	.0025	5.724	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6580**	**.0023**	**.0015**	**.0004**	**8.484**	**-.0010**	**.0054**
Stddev	.0021	.0005	.0002	.0002	.019	.0012	.0000
%RSD	.3154	23.16	14.41	58.56	.2217	117.5	.4435
#1	.6565	.0019	.0013	.0006	8.497	-.0019	.0055
#2	.6594	.0027	.0016	.0002	8.470	-.0002	.0054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	53910.	8408.4	1766.4	3591.3
Stddev	38.	24.7	.2	1.6
%RSD	.07053	.29421	.00991	.04408
#1	53883.	8425.9	1766.5	3590.1
#2	53937.	8390.9	1766.2	3592.4

Zoom In Zoom Out

Sample Name: jb69295-15 Acquired: 6/20/2014 16:28:20 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1882**	**-.0005**	**-.0001**	**.0072**	**.0000**	**.0038**	**18.43**	**.0042**	**.0028**
Stddev	.0002	.0000	.0001	.0001	.0000	.0003	.02	.0000	.0009
%RSD	.1255	2.332	174.4	1.470	971.5	7.882	.1275	.1270	31.34
#1	.1884	-.0005	.0000	.0073	-.0000	.0040	18.41	.0042	.0035
#2	.1881	-.0005	-.0002	.0071	.0000	.0036	18.44	.0042	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0032**	**-.0014**	**.0069**	**.0034**	**.0171**	**.0078**	**-.0009**	**.0743**	**48.93**
Stddev	.0001	.0001	.0002	.0004	.0013	.0002	.0002	.0007	.04
%RSD	3.053	4.504	3.321	10.79	7.443	2.839	18.36	.9501	.0729
#1	-.0031	-.0014	.0070	.0037	.0180	.0079	-.0011	.0738	48.90
#2	-.0033	-.0015	.0067	.0032	.0162	.0076	-.0008	.0748	48.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.47**	**14.74**	**1.563**	**24.75**	**.1044**	**.0001**	**.0030**	**5.179**	**-.0006**
Stddev	.00	.02	.003	.04	.0009	.0001	.0029	.029	.0006
%RSD	.0058	.1453	.2147	.1709	.8271	70.50	96.29	.5594	102.9
#1	15.47	14.72	1.565	24.78	.1051	.0001	.0050	5.199	-.0002
#2	15.47	14.75	1.561	24.72	.1038	.0002	.0009	5.158	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1739**	**.0011**	**.0004**	**.0002**	**.7387**	**-.0003**	**.0018**
Stddev	.0000	.0003	.0004	.0001	.0058	.0002	.0010
%RSD	.0143	26.40	112.5	23.47	.7909	46.83	57.58
#1	.1739	.0013	.0007	.0002	.7428	-.0005	.0011
#2	.1738	.0009	.0001	.0003	.7346	-.0002	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56485.	8479.0	1858.1	3829.1
Stddev	230.	9.0	6.5	11.1
%RSD	.40643	.10564	.34979	.29075
#1	56648.	8472.7	1853.5	3821.3
#2	56323.	8485.4	1862.7	3837.0

Zoom In Zoom Out

Sample Name: jb69295-11f Acquired: 6/20/2014 16:34:31 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4129**	**-.0004**	**.0002**	**.0005**	**-.0002**	**.0005**	**11.13**	**.0003**	**.0025**
Stddev	.0002	.0001	.0001	.0000	.0001	.0005	.06	.0000	.0002
%RSD	.0587	29.89	37.78	5.685	75.45	106.5	.5062	3.971	7.622
#1	.4130	-.0004	.0002	.0006	-.0003	.0008	11.17	.0003	.0026
#2	.4127	-.0003	.0001	.0005	-.0001	.0001	11.10	.0003	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0012**	**-.0007**	**.0049**	**-.0000**	**.0087**	**.0031**	**-.0002**	**.0432**	**91.82**
Stddev	.0002	.0000	.0003	.0007	.0002	.0020	.0012	.0033	.00
%RSD	19.58	6.003	5.940	1725.	2.771	62.61	579.4	7.554	.0031
#1	-.0010	-.0006	.0051	-.0005	.0089	.0045	-.0010	.0455	91.82
#2	-.0014	-.0007	.0047	.0005	.0085	.0017	.0006	.0408	91.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.05**	**18.22**	**4.707**	**39.54**	**.1092**	**.0005**	**.0049**	**6.668**	**-.0009**
Stddev	.02	.05	.017	.03	.0006	.0001	.0003	.005	.0001
%RSD	.1459	.2772	.3569	.0655	.5813	20.52	6.796	.0796	10.12
#1	11.04	18.26	4.695	39.56	.1088	.0005	.0051	6.671	-.0009
#2	11.06	18.19	4.719	39.52	.1097	.0004	.0047	6.664	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4495**	**.0005**	**.0340**	**.0005**	**.3682**	**-.0004**	**.0062**
Stddev	.0007	.0000	.0027	.0001	.0008	.0003	.0000
%RSD	.1519	8.692	8.072	11.50	.2186	81.89	.2042
#1	.4500	.0004	.0321	.0005	.3688	-.0006	.0062
#2	.4490	.0005	.0360	.0005	.3677	-.0002	.0062

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	55320.	8704.8	1791.3	3675.7
Stddev	22.	1.7	1.4	2.1
%RSD	.03969	.02002	.07880	.05848
#1	55335.	8706.0	1790.3	3674.2
#2	55304.	8703.5	1792.3	3677.2

Zoom In Zoom Out

Sample Name: jb69295-12f Acquired: 6/20/2014 16:40:42 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1187**	**-.0002**	**-.0000**	**.0024**	**.0003**	**.0007**	**6.164**	**.0004**	**.0015**
Stddev	.0004	.0000	.0000	.0000	.0004	.0000	.020	.0002	.0001
%RSD	.3043	14.92	54.38	2.016	125.5	1.642	.3268	44.78	9.161
#1	.1190	-.0002	-.0000	.0023	.0006	.0007	6.179	.0005	.0014
#2	.1184	-.0002	-.0000	.0024	.0000	.0007	6.150	.0003	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0008**	**.0040**	**-.0006**	**.0039**	**.0027**	**-.0004**	**.0311**	**40.04**
Stddev	.0000	.0000	.0008	.0007	.0002	.0006	.0002	.0084	.15
%RSD	4.958	2.967	19.27	113.2	4.137	21.65	47.46	26.95	.3750
#1	.0000	.0008	.0046	-.0012	.0038	.0023	-.0005	.0370	39.94
#2	.0000	.0008	.0035	-.0001	.0041	.0031	-.0002	.0251	40.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**14.76**	**6.474**	**2.383**	**12.47**	**.0775**	**.0003**	**.0032**	**3.818**	**-.0012**
Stddev	.10	.036	.009	.00	.0002	.0002	.0001	.015	.0002
%RSD	.6671	.5498	.3800	.0172	.3199	64.88	1.853	.4018	13.97
#1	14.69	6.449	2.377	12.47	.0773	.0002	.0033	3.829	-.0011
#2	14.83	6.499	2.390	12.48	.0776	.0005	.0032	3.807	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1844**	**.0005**	**.0125**	**.0005**	**.3919**	**-.0007**	**.0007**
Stddev	.0004	.0001	.0007	.0001	.0049	.0008	.0005
%RSD	.2412	21.31	5.893	21.42	1.254	114.8	81.36
#1	.1847	.0006	.0120	.0004	.3954	-.0012	.0003
#2	.1841	.0004	.0131	.0005	.3884	-.0001	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56660.	8668.1	1856.5	3882.2
Stddev	144.	46.2	3.9	.3
%RSD	.25492	.53323	.21168	.00738
#1	56762.	8700.8	1853.7	3882.4
#2	56557.	8635.4	1859.3	3882.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 16:46:49 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**2.004**	**2.005**	**2.010**	**2.070**	**1.984**	**2.038**	**2.078**	**.2429**
Stddev	.002	.001	.002	.002	.005	.000	.001	.003	.0001
%RSD	.0992	.0318	.0752	.0885	.2552	.0176	.0349	.1209	.0243
#1	1.993	2.004	2.004	2.009	2.074	1.984	2.038	2.077	.2428
#2	1.995	2.003	2.006	2.011	2.066	1.983	2.037	2.080	.2429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.052**	**1.940**	**2.087**	**2.113**	**1.953**	**2.023**	**40.43**	**40.16**
Stddev	.002	.003	.006	.003	.005	.003	.004	.10	.22
%RSD	.0866	.1271	.3209	.1233	.2223	.1266	.1738	.2359	.5550
#1	2.016	2.054	1.935	2.085	2.110	1.951	2.020	40.50	40.32
#2	2.014	2.050	1.944	2.089	2.116	1.954	2.025	40.36	40.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.42**	**38.75**	**38.97**	**39.97**	**2.051**	**1.999**	**2.000**	**4.997**	**2.093**
Stddev	.01	.24	.02	.00	.008	.006	.000	.013	.005
%RSD	.0231	.6243	.0637	.0021	.3986	.3006	.0025	.2560	.2227
#1	40.42	38.92	38.98	39.97	2.045	1.995	2.000	4.988	2.090
#2	40.41	38.58	38.95	39.97	2.057	2.004	2.000	5.006	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: 6/20/2014 16:46:49 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.043**	**2.029**	F **1.732**	**2.039**	**1.934**	**1.975**	**1.923**
Stddev	.003	.002	.012	.005	.003	.008	.001
%RSD	.1547	.0963	.7091	.2491	.1441	.4168	.0615
#1	2.040	2.030	1.724	2.042	1.932	1.970	1.922
#2	2.045	2.028	1.741	2.035	1.936	1.981	1.924
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54743.**	**8423.0**	**1821.2**	**3650.1**
Stddev	54.	51.3	5.1	10.1
%RSD	.09923	.60937	.28083	.27624
#1	54705.	8386.7	1824.8	3657.2
#2	54782.	8459.2	1817.6	3643.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 16:52:44 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

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**	**.0004**	**-.0003**	**.0001**	**-.0002**	**.0001**
Stddev	.0001	.0001	.0000	.0001	.0001	.0003	.0000	.0001	.0004
%RSD	244.2	80.77	38.93	100.3	28.85	97.61	18.95	37.10	770.1
#1	-.0000	-.0001	.0000	.0000	.0003	-.0001	.0001	-.0002	.0004
#2	.0001	-.0002	.0001	.0002	.0005	-.0005	.0001	-.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0004**	**-.0007**	**-.0010**	**-.0005**	**.0008**	**.0072**	**-.0040**
Stddev	.0001	.0000	.0013	.0003	.0002	.0007	.0001	.0029	.0076
%RSD	300.8	.5205	357.8	38.15	14.91	123.3	8.101	40.59	189.1
#1	.0001	.0002	-.0006	-.0005	-.0009	-.0001	.0009	.0092	.0013
#2	-.0000	.0002	.0013	-.0009	-.0012	-.0010	.0008	.0051	-.0093
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**	**-.0312**	**.0428**	**.0095**	**.0006**	**.0002**	**-.0004**	**.0025**	**.0007**
Stddev	.0019	.0218	.0056	.0013	.0000	.0001	.0000	.0011	.0006
%RSD	47.69	69.84	13.13	13.39	4.309	23.59	4.379	42.56	89.51
#1	.0053	-.0158	.0468	.0086	.0006	.0002	-.0004	.0018	.0011
#2	.0026	-.0466	.0388	.0104	.0006	.0003	-.0004	.0033	.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: 6/20/2014 16:52:44 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0042**	**.0006**	**-.0035**	**-.0002**	**.0001**
Stddev	.0000	.0002	.0007	.0001	.0016	.0004	.0000
%RSD	5.712	152.2	15.94	9.752	44.19	152.4	24.73
#1	.0002	-.0000	.0047	.0006	-.0024	.0000	.0001
#2	.0002	.0003	.0037	.0005	-.0046	-.0005	.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	**58931.**	**8655.6**	**1938.6**	**4147.3**
Stddev	192.	84.0	10.6	19.8
%RSD	.32637	.97064	.54733	.47643
#1	59067.	8596.2	1931.0	4133.3
#2	58795.	8715.0	1946.1	4161.2

Zoom In Zoom Out

Sample Name: jb69295-13f Acquired: 6/20/2014 16:58:55 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3353**	**-.0004**	**-.0001**	**.0024**	**-.0001**	**.0010**	**12.33**	**.0015**	**.0024**
Stddev	.0005	.0001	.0002	.0002	.0001	.0001	.04	.0002	.0001
%RSD	.1580	25.09	187.4	8.977	52.65	8.913	.3359	15.81	4.248
#1	.3357	-.0003	-.0002	.0023	-.0002	.0009	12.30	.0017	.0023
#2	.3349	-.0004	.0000	.0026	-.0001	.0010	12.36	.0013	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0011**	**-.0017**	**.0155**	**.0005**	**.0095**	**.0012**	**-.0001**	**.0225**	**65.91**
Stddev	.0003	.0001	.0001	.0005	.0012	.0004	.0004	.0064	.04
%RSD	24.63	6.862	.7551	113.1	12.32	31.57	312.2	28.61	.0657
#1	-.0013	-.0018	.0156	.0008	.0104	.0009	-.0004	.0270	65.94
#2	-.0009	-.0016	.0154	.0001	.0087	.0015	.0002	.0179	65.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**32.71**	**19.70**	**2.006**	**17.16**	**.1174**	**.0018**	**.0050**	**6.138**	**-.0008**
Stddev	.02	.05	.004	.04	.0001	.0002	.0002	.011	.0004
%RSD	.0703	.2307	.1916	.2244	.0561	12.35	3.791	.1812	46.44
#1	32.70	19.67	2.003	17.19	.1173	.0017	.0051	6.130	-.0010
#2	32.73	19.73	2.008	17.14	.1174	.0020	.0049	6.146	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2982**	**-.0002**	**.0768**	**.0018**	**.4787**	**-.0008**	**.0025**
Stddev	.0006	.0003	.0003	.0002	.0020	.0001	.0001
%RSD	.2029	161.7	.4127	10.25	.4165	12.39	3.262
#1	.2987	.0000	.0770	.0017	.4773	-.0009	.0025
#2	.2978	-.0004	.0766	.0019	.4801	-.0007	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	55821.	8645.5	1821.2	3783.1
Stddev	228.	5.2	3.1	10.0
%RSD	.40799	.06049	.17281	.26390
#1	55660.	8641.8	1823.4	3790.2
#2	55982.	8649.2	1819.0	3776.0

Zoom In Zoom Out

Sample Name: jb69295-14f Acquired: 6/20/2014 17:05:06 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2788**	**-.0002**	**.0002**	**.0041**	**-.0002**	**.0004**	**8.634**	**.0049**	**.0019**
Stddev	.0024	.0000	.0000	.0000	.0001	.0003	.071	.0002	.0005
%RSD	.8752	16.58	20.32	.9824	62.67	67.70	.8257	3.860	23.49
#1	.2770	-.0002	.0003	.0041	-.0003	.0002	8.584	.0048	.0022
#2	.2805	-.0002	.0002	.0040	-.0001	.0006	8.684	.0050	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0006**	**.0050**	**-.0013**	**.0002**	**.0025**	**.0007**	**.0423**	**132.3**
Stddev	.0005	.0001	.0007	.0003	.0001	.0002	.0005	.0057	1.0
%RSD	364.4	20.74	14.30	20.54	64.64	6.165	67.31	13.41	.7683
#1	.0005	.0005	.0055	-.0011	.0003	.0027	.0004	.0383	131.6
#2	-.0002	.0007	.0045	-.0015	.0001	.0024	.0011	.0463	133.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.442**	**20.56**	**11.45**	**34.89**	**.1772**	**.0017**	**.0030**	**5.262**	**-.0009**
Stddev	.016	.12	.11	.29	.0001	.0001	.0013	.016	.0011
%RSD	1.123	.5928	.9536	.8361	.0799	8.273	44.31	.3007	128.9
#1	1.431	20.48	11.38	34.68	.1773	.0016	.0021	5.273	-.0017
#2	1.454	20.65	11.53	35.09	.1771	.0017	.0039	5.251	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6208**	**.0003**	**.0404**	**.0010**	**7.763**	**-.0006**	**.0038**
Stddev	.0056	.0001	.0007	.0002	.016	.0013	.0002
%RSD	.8989	43.26	1.740	20.21	.2092	228.3	5.562
#1	.6169	.0002	.0409	.0011	7.775	-.0015	.0039
#2	.6248	.0004	.0399	.0008	7.752	.0003	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	53998.	8442.1	1768.3	3618.0
Stddev	71.	75.3	7.4	9.2
%RSD	.13151	.89173	.42112	.25329
#1	53948.	8495.3	1763.0	3611.5
#2	54048.	8388.9	1773.6	3624.5

Zoom In Zoom Out

Sample Name: jb69295-15f Acquired: 6/20/2014 17:11:18 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1934**	**-.0005**	**-.0001**	**.0074**	**-.0003**	**.0013**	**19.12**	**.0043**	**.0022**
Stddev	.0001	.0000	.0001	.0001	.0003	.0004	.03	.0002	.0001
%RSD	.0302	1.592	79.02	1.305	110.8	31.71	.1369	3.700	3.322
#1	.1934	-.0005	-.0001	.0073	-.0001	.0016	19.14	.0042	.0023
#2	.1933	-.0005	-.0002	.0074	-.0005	.0010	19.10	.0045	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0034**	**-.0043**	**.0078**	**.0020**	**.0179**	**.0057**	**-.0009**	**.0325**	**49.81**
Stddev	.0000	.0001	.0012	.0007	.0008	.0013	.0012	.0004	.03
%RSD	.6139	3.072	14.79	33.67	4.481	23.60	130.8	1.218	.0697
#1	-.0034	-.0042	.0087	.0015	.0173	.0067	-.0017	.0322	49.83
#2	-.0034	-.0044	.0070	.0025	.0184	.0048	-.0001	.0327	49.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.76**	**15.02**	**1.585**	**25.64**	**.1089**	**.0007**	**.0039**	**5.326**	**-.0010**
Stddev	.00	.05	.004	.04	.0012	.0000	.0005	.031	.0006
%RSD	.0204	.3382	.2844	.1590	1.100	6.802	11.84	.5855	55.96
#1	15.76	14.99	1.582	25.67	.1097	.0007	.0042	5.348	-.0015
#2	15.76	15.06	1.588	25.62	.1080	.0007	.0036	5.304	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1794**	**.0003**	**.0391**	**.0009**	**.7313**	**.0007**	**.0022**
Stddev	.0007	.0000	.0000	.0001	.0037	.0005	.0006
%RSD	.3625	13.92	.0948	7.509	.5050	68.76	25.50
#1	.1798	.0004	.0392	.0009	.7339	.0010	.0018
#2	.1789	.0003	.0391	.0010	.7286	.0004	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56423.	8613.6	1855.2	3828.4
Stddev	137.	24.4	10.0	17.0
%RSD	.24316	.28307	.54150	.44468
#1	56520.	8596.3	1848.1	3816.4
#2	56326.	8630.8	1862.3	3840.5

Zoom In Zoom Out

Sample Name: jb69374-6 Acquired: 6/20/2014 17:17:30 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0001**	**-.0001**	**.0002**	**.0001**	**.0003**	**-.0003**	**.0004**
Stddev	.0001	.0000	.0001	.0001	.0000	.0001	.0000	.0002	.0003
%RSD	18.41	.7295	82.46	235.7	17.46	176.8	3.857	66.60	88.54
#1	.0002	-.0001	.0002	.0000	.0002	.0001	.0003	-.0002	.0006
#2	.0003	-.0001	.0001	-.0002	.0002	-.0000	.0003	-.0005	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0012**	**.0004**	**-.0002**	**.0004**	**.0004**	**-.0001**	**.0028**	**.0507**
Stddev	.0002	.0001	.0003	.0005	.0011	.0006	.0003	.0021	.0009
%RSD	84.69	8.919	80.76	251.3	265.8	155.9	176.7	75.60	1.713
#1	-.0004	.0011	.0007	.0002	.0012	.0009	-.0003	.0013	.0513
#2	-.0001	.0012	.0002	-.0005	-.0004	-.0000	.0000	.0043	.0501

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0029**	**.0111**	**.0145**	**.2254**	**.0011**	**-.0000**	**-.0001**	**.1124**	**.0026**
Stddev	.0030	.0226	.0067	.0020	.0004	.0001	.0012	.0001	.0010
%RSD	103.0	203.2	46.13	.8879	33.05	317.7	2213.	.0490	40.35
#1	.0050	-.0049	.0098	.2240	.0008	.0000	.0008	.1124	.0018
#2	.0008	.0272	.0192	.2268	.0013	-.0001	-.0009	.1125	.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0001**	**-.0054**	**.0001**	**-.0018**	**-.0004**	**-.0005**
Stddev	.0000	.0001	.0007	.0001	.0015	.0000	.0001
%RSD	25.76	128.2	12.88	136.0	83.59	6.026	15.06
#1	.0002	.0000	-.0049	.0002	-.0029	-.0004	-.0006
#2	.0001	.0002	-.0058	.0000	-.0007	-.0004	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59939.	8846.1	1940.2	4172.3
Stddev	188.	13.3	1.5	.7
%RSD	.31316	.14990	.07917	.01651
#1	59807.	8855.5	1941.2	4172.8
#2	60072.	8836.7	1939.1	4171.8

Zoom In Zoom Out

Sample Name: jb69411-3 Acquired: 6/20/2014 17:23:40 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0755**	**-.0001**	**.0045**	**.0035**	**.0023**	**.0193**	**.6069**	**.0071**	**.0012**
Stddev	.0056	.0000	.0001	.0003	.0003	.0005	.0063	.0002	.0004
%RSD	7.370	25.82	2.160	7.331	15.03	2.456	1.030	2.487	36.80
#1	.0716	-.0001	.0045	.0037	.0020	.0190	.6025	.0072	.0015
#2	.0794	-.0001	.0046	.0033	.0025	.0196	.6113	.0070	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0370**	**.0041**	**-.0007**	**.0133**	**.0020**	**.0001**	**.1566**	**60.52**
Stddev	.0007	.0002	.0006	.0007	.0006	.0006	.0004	.0052	4.12
%RSD	134.1	.4075	14.38	91.15	4.540	28.17	411.9	3.347	6.802
#1	.0010	.0371	.0045	-.0003	.0137	.0024	-.0002	.1603	57.61
#2	.0000	.0369	.0037	-.0012	.0128	.0016	.0003	.1529	63.43

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.849**	**5.324**	**10.59**	**261.7**	**.1782**	**.0137**	**.0063**	**7.746**	**-.0005**
Stddev	.121	.379	.68	18.0	.0011	.0002	.0001	.052	.0005
%RSD	6.549	7.124	6.422	6.886	.6176	1.350	2.323	.6709	93.58
#1	1.764	5.056	10.11	249.0	.1790	.0136	.0062	7.783	-.0002
#2	1.935	5.592	11.07	274.5	.1774	.0138	.0064	7.709	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2348**	**.0058**	**-.0002**	**.0002**	**14.80**	**-.0013**	**.0036**
Stddev	.0154	.0001	.0007	.0002	.09	.0006	.0008
%RSD	6.580	1.614	381.4	70.86	.5833	49.02	22.47
#1	.2238	.0057	.0003	.0004	14.86	-.0018	.0031
#2	.2457	.0058	-.0007	.0001	14.74	-.0009	.0042

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49837.**	**8461.1**	**1743.6**	**3443.3**
Stddev	712.	473.7	11.3	14.8
%RSD	1.4290	5.5981	.64657	.43071
#1	50341.	8796.0	1735.6	3432.9
#2	49334.	8126.2	1751.5	3453.8

Zoom In Zoom Out

Sample Name: jb69650-8 Acquired: 6/20/2014 17:29:52 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1269**	**.0001**	**.0003**	**.0290**	**.0042**	**.0046**	**3.001**	**.0101**	**.0033**
Stddev	.0042	.0001	.0000	.0000	.0006	.0006	.279	.0001	.0006
%RSD	3.333	141.1	10.64	.0697	15.15	13.13	9.312	1.096	17.86
#1	.1239	.0001	.0003	.0290	.0037	.0042	2.803	.0100	.0037
#2	.1299	.0000	.0003	.0290	.0046	.0050	3.198	.0102	.0029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0224**	**.0249**	**-.0003**	**.0104**	**.0027**	**.0002**	**2.347**	**97.96**
Stddev	.0012	.0000	.0000	.0010	.0005	.0007	.0011	.091	3.79
%RSD	22.02	.2184	.0107	365.8	4.901	26.91	633.6	3.878	3.865
#1	.0046	.0224	.0249	.0005	.0108	.0022	.0009	2.282	95.28
#2	.0062	.0224	.0249	-.0010	.0101	.0032	-.0006	2.411	100.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.233**	**16.71**	**8.232**	**48.07**	**.1481**	**.0109**	**.0123**	**13.38**	**-.0012**
Stddev	.223	.66	.278	1.71	.0014	.0002	.0003	.05	.0001
%RSD	4.266	3.963	3.373	3.549	.9499	1.721	2.699	.3943	11.62
#1	5.075	16.24	8.035	46.86	.1471	.0108	.0125	13.34	-.0011
#2	5.391	17.18	8.428	49.27	.1491	.0111	.0120	13.41	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6636**	**.0550**	**.0045**	**.0029**	**27.22**	**-.0024**	**.0079**
Stddev	.0240	.0049	.0003	.0001	.08	.0007	.0003
%RSD	3.614	8.900	7.480	4.249	.2816	31.28	4.056
#1	.6466	.0516	.0043	.0028	27.16	-.0029	.0081
#2	.6805	.0585	.0048	.0030	27.27	-.0019	.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55839.**	**8071.6**	**1767.4**	**3613.7**
Stddev	4367.	276.3	7.5	5.7
%RSD	7.8199	3.4233	.42560	.15684
#1	58927.	8267.0	1772.7	3617.7
#2	52751.	7876.2	1762.1	3609.7

Zoom In Zoom Out

Sample Name: jb69650-9 Acquired: 6/20/2014 17:35:58 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0007**	**.0005**	**.0110**	**.0117**	**.0437**	**1.576**	**.0264**	**.0014**
Stddev	.0003	.0001	.0000	.0002	.0008	.0016	.064	.0001	.0002
%RSD	.4360	17.18	8.907	2.071	6.585	3.653	4.046	.4397	16.89
#1	.0720	.0008	.0005	.0108	.0123	.0449	1.621	.0265	.0012
#2	.0725	.0007	.0005	.0112	.0112	.0426	1.531	.0263	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0162**	**.0471**	**.0058**	**.0003**	**.0122**	**.0026**	**-.0007**	**3.825**	**32.23**
Stddev	.0004	.0001	.0010	.0011	.0008	.0029	.0008	.023	.15
%RSD	2.403	.1311	17.69	377.5	6.875	113.4	114.7	.5938	.4502
#1	.0165	.0471	.0050	-.0005	.0128	.0005	-.0013	3.809	32.33
#2	.0159	.0471	.0065	.0011	.0116	.0046	-.0001	3.841	32.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.25**	**13.33**	**4.569**	**25.62**	**.0802**	**.0016**	**.0083**	**7.299**	**.0000**
Stddev	.00	.11	.013	.05	.0000	.0002	.0004	.033	.0002
%RSD	.0409	.8097	.2817	.2064	.0247	10.45	4.341	.4450	562.2
#1	11.24	13.41	4.579	25.66	.0802	.0017	.0081	7.322	-.0001
#2	11.25	13.26	4.560	25.58	.0802	.0015	.0086	7.277	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3318**	**.0828**	**-.0011**	**.0054**	**33.02**	**-.0016**	**.0082**
Stddev	.0003	.0029	.0010	.0001	.14	.0002	.0005
%RSD	.1000	3.508	90.89	.9782	.4203	10.79	6.387
#1	.3321	.0849	-.0018	.0055	33.12	-.0015	.0078
#2	.3316	.0807	-.0004	.0054	32.92	-.0017	.0086

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57103.**	**8730.1**	**1879.6**	**3811.6**
Stddev	1919.	2.3	5.5	8.6
%RSD	3.3599	.02597	.29295	.22687
#1	55747.	8728.5	1875.7	3805.4
#2	58460.	8731.7	1883.5	3817.7

Zoom In Zoom Out

Sample Name: jb69650-10 Acquired: 6/20/2014 17:42:03 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0002**	**-.0000**	**.0004**	**.0008**	**.0005**	**-.0003**	**.0003**
Stddev	.0001	.0000	.0002	.0003	.0002	.0001	.0000	.0000	.0001
%RSD	31.01	25.69	109.3	589.5	45.67	7.640	.0710	.8066	47.84
#1	.0004	-.0001	.0003	.0002	.0002	.0008	.0005	-.0003	.0003
#2	.0006	-.0001	.0000	-.0003	.0005	.0007	.0005	-.0003	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0040**	**.0006**	**-.0004**	**-.0001**	**-.0006**	**-.0003**	**.0085**	**.0650**
Stddev	.0001	.0000	.0001	.0000	.0006	.0012	.0007	.0001	.0024
%RSD	32.78	.3125	14.67	7.607	951.2	208.9	271.6	1.381	3.734
#1	-.0003	.0040	.0005	-.0004	.0004	.0003	.0002	.0085	.0668
#2	-.0002	.0039	.0007	-.0003	-.0005	-.0015	-.0008	.0086	.0633

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0127**	**.0027**	**.0320**	**.0359**	**.0008**	**-.0001**	**-.0011**	**.0257**	**.0010**
Stddev	.0023	.0179	.0136	.0051	.0004	.0001	.0006	.0010	.0006
%RSD	17.86	668.2	42.50	14.09	53.52	140.2	53.04	4.086	67.18
#1	.0111	-.0100	.0416	.0395	.0005	-.0002	-.0007	.0264	.0014
#2	.0143	.0154	.0224	.0324	.0011	-.0000	-.0015	.0249	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0001**	**-.0081**	**.0001**	**.0114**	**-.0013**	**.0002**
Stddev	.0000	.0004	.0009	.0000	.0003	.0003	.0005
%RSD	5.858	348.2	10.79	40.70	2.638	23.94	251.1
#1	.0003	-.0002	-.0087	.0001	.0112	-.0015	.0006
#2	.0004	.0004	-.0074	.0001	.0116	-.0011	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58353.**	**8415.6**	**1913.2**	**4104.1**
Stddev	299.	77.8	3.6	3.1
%RSD	.51323	.92460	.18902	.07583
#1	58565.	8470.6	1915.8	4106.3
#2	58141.	8360.6	1910.7	4101.9

Zoom In Zoom Out

Sample Name: jb69662-15 Acquired: 6/20/2014 17:48:13 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2233**	**.0006**	**.0381**	**.0233**	**1.297**	**1.897**	**.8663**	**.8632**	**.0673**
Stddev	.0005	.0000	.0010	.0004	.004	.002	.0022	.0143	.0016
%RSD	.2271	7.879	2.693	1.635	.3483	.1260	.2546	1.655	2.341
#1	.2229	.0006	.0388	.0236	1.294	1.896	.8648	.8733	.0684
#2	.2236	.0005	.0374	.0230	1.300	1.899	.8679	.8531	.0662

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0165**	**25.88**	**.7832**	**.0026**	**.0800**	**.0137**	**.0624**	**9.730**	**113.4**
Stddev	.0000	.70	.0177	.0006	.0015	.0015	.0021	.023	.2
%RSD	.2595	2.718	2.259	24.66	1.848	11.06	3.403	.2318	.2073
#1	.0165	26.37	.7957	.0030	.0810	.0127	.0639	9.746	113.5
#2	.0164	25.38	.7707	.0021	.0789	.0148	.0609	9.714	113.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.56**	**23.95**	**24.90**	**124.1**	**6.070**	**.0546**	**.0299**	**15.09**	**.0611**
Stddev	.04	.08	.02	.0	.153	.0015	.0015	.37	.0015
%RSD	.1914	.3386	.0919	.0262	2.522	2.782	4.955	2.465	2.419
#1	22.59	24.01	24.89	124.1	6.178	.0557	.0288	15.36	.0621
#2	22.53	23.89	24.92	124.2	5.962	.0535	.0309	14.83	.0600

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4036**	**.1209**	**.1141**	**.0214**	**54.14**	**-.0003**	**.0324**
Stddev	.0009	.0007	.0012	.0005	1.33	.0005	.0001
%RSD	.2127	.5615	1.062	2.303	2.458	169.1	.3741
#1	.4030	.1214	.1149	.0210	55.08	-.0007	.0325
#2	.4043	.1204	.1132	.0217	53.20	.0001	.0323

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	52513.	8201.1	1735.8	5526.0
Stddev	116.	19.8	35.4	59.2
%RSD	.22006	.24162	2.0410	1.0714
#1	52595.	8187.1	1710.8	5484.1
#2	52431.	8215.1	1760.9	5567.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 17:54:15 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**2.038**	**2.021**	**2.028**	**2.075**	**1.982**	**2.041**	**2.097**	**.2419**
Stddev	.028	.029	.020	.020	.019	.010	.016	.018	.0013
%RSD	1.377	1.443	.9719	.9907	.8940	.4944	.7797	.8763	.5466
#1	1.999	2.017	2.007	2.014	2.088	1.989	2.052	2.084	.2429
#2	2.038	2.059	2.035	2.043	2.062	1.975	2.029	2.110	.2410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.080**	**1.965**	**2.093**	**2.132**	**1.980**	**2.034**	**40.82**	**40.81**
Stddev	.003	.023	.019	.019	.015	.010	.016	.59	.54
%RSD	.1498	1.125	.9564	.8960	.6906	.4863	.7646	1.455	1.318
#1	2.037	2.064	1.951	2.080	2.121	1.973	2.023	40.40	40.43
#2	2.033	2.097	1.978	2.106	2.142	1.987	2.045	41.24	41.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.80**	**39.16**	**39.48**	**40.46**	**2.070**	**2.021**	**1.995**	**5.033**	**2.112**
Stddev	.58	.60	.59	.56	.018	.019	.016	.039	.020
%RSD	1.413	1.540	1.489	1.385	.8476	.9310	.8161	.7649	.9425
#1	40.39	38.74	39.06	40.06	2.057	2.008	2.006	5.006	2.098
#2	41.21	39.59	39.89	40.85	2.082	2.035	1.983	5.060	2.126
Check ?	Chk Pass	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: 6/20/2014 17:54:15 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.066**	**2.026**	F **1.725**	**2.044**	**1.964**	**1.988**	**1.937**
Stddev	.028	.013	.021	.006	.021	.013	.027
%RSD	1.352	.6634	1.193	.3108	1.071	.6594	1.399
#1	2.046	2.036	1.710	2.049	1.949	1.979	1.918
#2	2.086	2.017	1.739	2.040	1.979	1.997	1.957
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	54441.	8281.9	1808.6	3627.2
Stddev	246.	121.5	14.2	25.7
%RSD	.45153	1.4669	.78652	.70955
#1	54268.	8367.8	1818.7	3645.4
#2	54615.	8196.0	1798.6	3609.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 18:00:10 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0000**	**.0002**	**.0003**	**.0003**	**.0004**	**.0001**	**-.0001**	**.0000**
Stddev	.0003	.0001	.0000	.0002	.0005	.0000	.0000	.0002	.0001
%RSD	85.33	2388.	24.34	79.84	134.3	7.554	6.671	187.9	205.0
#1	.0001	.0001	.0002	.0001	.0000	.0004	.0001	-.0002	.0001
#2	.0005	-.0001	.0001	.0004	.0007	.0003	.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	**.0001**	**.0004**	**.0009**	F **.0034**	**-.0002**	**.0004**	**-.0003**	**.0029**	**-.0015**
Stddev	.0004	.0001	.0001	.0006	.0000	.0014	.0006	.0043	.0018
%RSD	373.6	30.03	13.61	16.21	22.52	337.3	178.8	147.9	118.0
#1	.0004	.0003	.0008	.0030	-.0002	-.0006	-.0007	.0060	-.0002
#2	-.0002	.0005	.0010	.0038	-.0002	.0014	.0001	-.0001	-.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0020					
Low Limit				-.0020					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**-.0044**	**.0630**	**.0238**	**.0017**	**.0003**	**-.0006**	**.0027**	**-.0002**
Stddev	.0016	.0201	.0151	.0060	.0005	.0000	.0002	.0003	.0003
%RSD	79.27	457.3	24.02	25.04	30.75	5.502	30.72	12.71	173.0
#1	.0032	-.0186	.0737	.0280	.0014	.0003	-.0008	.0024	.0000
#2	.0009	.0098	.0523	.0196	.0021	.0003	-.0005	.0029	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 18:00:10 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0000**	**.0020**	**.0006**	**-.0027**	**-.0003**	**.0002**
Stddev	.0001	.0000	.0016	.0002	.0023	.0003	.0003
%RSD	53.59	93.02	77.50	26.72	84.67	74.38	181.8
#1	.0002	-.0000	.0031	.0007	-.0043	-.0002	.0004
#2	.0001	-.0001	.0009	.0005	-.0011	-.0005	-.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	**57615.**	**8347.9**	**1911.8**	**4070.1**
Stddev	123.	42.4	2.9	6.3
%RSD	.21406	.50733	.14932	.15601
#1	57703.	8318.0	1913.8	4074.6
#2	57528.	8377.9	1909.8	4065.6

Zoom In Zoom Out

Sample Name: jb69681-1 Acquired: 6/20/2014 18:06:20 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0720**	**.0003**	**.0006**	**.0023**	**.0157**	**.0243**	**.1070**	**.0115**	**.0031**
Stddev	.0002	.0001	.0002	.0003	.0011	.0004	.0003	.0001	.0007
%RSD	.2769	33.63	33.58	12.17	7.196	1.787	.3145	1.084	22.84
#1	.0718	.0004	.0007	.0025	.0165	.0246	.1067	.0115	.0026
#2	.0721	.0002	.0004	.0021	.0149	.0239	.1072	.0116	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0746**	**.0905**	**.0066**	**.0004**	**.0850**	**.0032**	**.0022**	**6.556**	**38.71**
Stddev	.0006	.0001	.0007	.0020	.0002	.0023	.0002	.019	.24
%RSD	.7455	.0935	10.64	484.6	.2378	71.77	8.166	.2898	.6133
#1	.0750	.0905	.0061	.0018	.0849	.0048	.0023	6.569	38.88
#2	.0742	.0904	.0070	-.0010	.0852	.0016	.0020	6.542	38.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.878**	**1.749**	**18.12**	**112.2**	**.0942**	**.5193**	**.0146**	**15.43**	**.0011**
Stddev	.022	.036	.11	.5	.0003	.0000	.0006	.01	.0003
%RSD	.3721	2.053	.6034	.4622	.3422	.0088	4.220	.0955	23.57
#1	5.894	1.724	18.20	112.6	.0939	.5193	.0141	15.44	.0010
#2	5.863	1.775	18.04	111.8	.0944	.5193	.0150	15.42	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.038**	**.1744**	**.0602**	**.0035**	**12.09**	**-.0009**	**.0064**
Stddev	.003	.0025	.0002	.0001	.01	.0006	.0003
%RSD	.2499	1.423	.2610	3.030	.0493	72.67	5.165
#1	1.040	.1761	.0603	.0036	12.09	-.0004	.0066
#2	1.036	.1726	.0601	.0034	12.10	-.0013	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54942.**	**8542.8**	**1830.8**	**3668.2**
Stddev	49.	67.1	3.2	6.8
%RSD	.08863	.78500	.17677	.18570
#1	54977.	8495.4	1833.1	3673.0
#2	54908.	8590.3	1828.5	3663.4

Zoom In Zoom Out

Sample Name: jb69681-1f Acquired: 6/20/2014 18:12:22 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0221**	**-.0000**	**.0002**	**.0004**	**.0017**	**.0080**	**.0006**	**.0040**	**.0017**
Stddev	.0002	.0001	.0000	.0003	.0005	.0001	.0000	.0000	.0002
%RSD	1.084	233.2	19.00	79.34	26.49	1.444	5.678	1.215	14.79
#1	.0223	-.0001	.0003	.0002	.0021	.0080	.0006	.0041	.0015
#2	.0220	.0000	.0002	.0006	.0014	.0079	.0006	.0040	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0713**	**.0018**	**.0040**	**.0005**	**.0018**	**.0016**	**.0021**	**.6806**	**35.82**
Stddev	.0003	.0001	.0001	.0013	.0010	.0004	.0002	.0044	.05
%RSD	.3695	8.239	1.623	248.6	55.65	24.50	10.58	.6447	.1496
#1	.0715	.0017	.0039	-.0004	.0011	.0019	.0023	.6775	35.86
#2	.0711	.0019	.0040	.0014	.0025	.0013	.0020	.6837	35.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0202**	**.1063**	**18.69**	**120.2**	**.0998**	**.5707**	**.0063**	**7.450**	**.0010**
Stddev	.0013	.0125	.03	.2	.0003	.0001	.0004	.009	.0000
%RSD	6.619	11.78	.1340	.1792	.3222	.0098	7.017	.1218	2.269
#1	.0211	.1152	18.71	120.3	.1001	.5707	.0067	7.444	.0010
#2	.0192	.0975	18.68	120.0	.0996	.5707	.0060	7.456	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.015**	**.0012**	**.0575**	**.0003**	**13.00**	**-.0019**	**.0012**
Stddev	.001	.0004	.0007	.0000	.03	.0007	.0006
%RSD	.1200	29.97	1.150	4.199	.1965	37.79	50.18
#1	1.016	.0009	.0570	.0003	12.98	-.0025	.0016
#2	1.014	.0014	.0579	.0003	13.02	-.0014	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53413.**	**8248.1**	**1779.8**	**3587.5**
Stddev	32.	6.1	.3	5.1
%RSD	.05937	.07448	.01612	.14156
#1	53390.	8243.7	1780.0	3591.1
#2	53435.	8252.4	1779.6	3583.9

Zoom In Zoom Out

Sample Name: mp80160-mb1 1 Acquired: 6/20/2014 18:18:26 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0001**	**.0001**	**-.0003**	**.0004**	**-.0000**	**.0002**	**-.0001**
Stddev	.0002	.0000	.0001	.0001	.0001	.0001	.0000	.0000	.0001
%RSD	61.71	6.985	54.56	124.6	49.55	25.54	154.1	.6978	48.70
#1	.0002	-.0001	-.0001	.0001	-.0002	.0005	.0000	.0002	-.0001
#2	.0004	-.0001	-.0001	.0000	-.0003	.0003	-.0001	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0022**	**.0007**	**.0006**	**.0016**	**-.0014**	**.0002**	**-.0020**	**.0278**
Stddev	.0001	.0002	.0005	.0013	.0003	.0011	.0000	.0036	.0054
%RSD	7802.	10.82	74.41	215.1	19.58	80.95	4.917	178.6	19.61
#1	.0000	.0021	.0010	.0015	.0014	-.0006	.0001	-.0046	.0316
#2	-.0000	.0024	.0003	-.0003	.0019	-.0022	.0002	.0005	.0239

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0045**	**-.0254**	**.0384**	**.0382**	**.0010**	**-.0002**	**.0007**	**.0109**	**.0002**
Stddev	.0014	.0133	.0036	.0010	.0002	.0000	.0002	.0005	.0003
%RSD	31.56	52.43	9.345	2.542	18.92	12.37	31.89	4.815	123.7
#1	.0055	-.0348	.0358	.0389	.0011	-.0002	.0008	.0105	.0004
#2	.0035	-.0160	.0409	.0375	.0009	-.0002	.0005	.0113	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**-.0000**	**-.0096**	**-.0000**	**.0003**	**.0007**	**.0003**
Stddev	.0000	.0006	.0000	.0000	.0019	.0010	.0004
%RSD	10.87	3375.	.1723	179.7	706.0	138.1	134.0
#1	.0002	-.0004	-.0096	-.0001	.0016	.0014	.0006
#2	.0002	.0004	-.0096	.0000	-.0011	.0000	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59901.**	**8294.4**	**1965.9**	**4230.0**
Stddev	126.	92.4	27.8	51.1
%RSD	.21048	1.1140	1.4161	1.2071
#1	59990.	8359.7	1985.6	4266.1
#2	59812.	8229.0	1946.2	4193.9

Zoom In Zoom Out

Sample Name: mp80160-lc1 Acquired: 6/20/2014 18:24:34 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5128**	**.5041**	**.5068**	**.4900**	**.5222**	**.4873**	**.5097**	**.5193**	**.1947**
Stddev	.0022	.0029	.0024	.0031	.0077	.0047	.0056	.0044	.0016
%RSD	.4205	.5825	.4718	.6250	1.467	.9582	1.095	.8398	.8408
#1	.5112	.5021	.5085	.4922	.5168	.4840	.5057	.5224	.1936
#2	.5143	.5062	.5051	.4878	.5276	.4906	.5136	.5162	.1959

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5061**	**.5291**	**.4968**	**.5467**	**.5473**	**.5047**	**.5036**	**5.237**	**5.860**
Stddev	.0060	.0047	.0007	.0045	.0026	.0060	.0011	.019	.013
%RSD	1.192	.8844	.1382	.8173	.4764	1.180	.2091	.3653	.2192
#1	.5018	.5324	.4973	.5499	.5491	.5089	.5044	5.223	5.851
#2	.5103	.5257	.4964	.5435	.5454	.5005	.5029	5.250	5.869

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.859**	**5.428**	**10.07**	**10.47**	**.0137**	**.4876**	**.0013**	**.0251**	**.0013**
Stddev	.032	.004	.04	.04	.0010	.0035	.0016	.0014	.0007
%RSD	.5448	.0831	.4019	.3582	7.606	.7091	130.7	5.519	52.96
#1	5.836	5.425	10.04	10.45	.0144	.4901	.0024	.0261	.0018
#2	5.881	5.431	10.10	10.50	.0129	.4852	.0001	.0241	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5136**	**-.0019**	**.0003**	**.0051**	**.0016**	**.0002**
Stddev	.0000	.0053	.0000	.0001	.0004	.0002	.0004
%RSD	17.50	1.040	1.674	50.66	7.092	12.98	193.1
#1	-.0001	.5099	-.0019	.0002	.0048	.0017	.0004
#2	-.0001	.5174	-.0019	.0004	.0053	.0014	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57454.**	**8511.2**	**1915.2**	**3991.1**
Stddev	664.	34.2	11.9	26.1
%RSD	1.1558	.40219	.62165	.65332
#1	57924.	8535.4	1906.8	3972.6
#2	56985.	8487.0	1923.6	4009.5

Zoom In Zoom Out

Sample Name: mp80160-s1 Acquired: 6/20/2014 18:30:33 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.994**	**.0507**	**.0533**	**.4947**	**.2085**	**.2493**	**.5115**	**.5195**	**.0541**
Stddev	.001	.0006	.0002	.0011	.0012	.0012	.0041	.0003	.0006
%RSD	.0625	1.096	.4024	.2178	.5756	.5006	.7919	.0603	1.126
#1	1.993	.0511	.0534	.4955	.2094	.2502	.5143	.5193	.0546
#2	1.994	.0504	.0531	.4940	.2077	.2485	.5086	.5198	.0537

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5126**	**.8180**	**2.059**	**2.201**	**.5514**	**2.117**	**.5231**	**2.046**	**35.63**
Stddev	.0056	.0012	.000	.004	.0031	.004	.0027	.008	.16
%RSD	1.090	.1442	.0157	.1638	.5582	.1780	.5116	.3903	.4520
#1	.5166	.8172	2.058	2.198	.5492	2.120	.5212	2.040	35.52
#2	.5087	.8188	2.059	2.203	.5536	2.114	.5250	2.051	35.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.103**	**26.24**	**26.21**	**33.16**	**.0079**	**.0007**	**.0033**	**3.518**	**-.0011**
Stddev	.002	.17	.06	.09	.0002	.0002	.0010	.002	.0007
%RSD	.2059	.6518	.2099	.2771	2.450	23.06	28.58	.0593	64.20
#1	1.105	26.12	26.17	33.10	.0081	.0005	.0040	3.519	-.0015
#2	1.102	26.36	26.25	33.23	.0078	.0008	.0027	3.516	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0514**	**.0014**	**.0083**	**.0001**	**2.692**	**-.0003**	**.0045**
Stddev	.0002	.0007	.0005	.0001	.001	.0012	.0001
%RSD	.4767	51.99	5.828	71.13	.0453	409.8	2.155
#1	.0512	.0009	.0080	.0001	2.693	-.0011	.0045
#2	.0516	.0019	.0087	.0000	2.691	.0005	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55682.**	**8599.3**	**1883.3**	**3849.1**
Stddev	418.	25.3	1.7	4.9
%RSD	.75053	.29466	.09211	.12726
#1	55386.	8617.2	1884.5	3852.5
#2	55977.	8581.4	1882.0	3845.6

Zoom In Zoom Out

Sample Name: mp80160-s2 Acquired: 6/20/2014 18:36:29 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.002**	**.0511**	**.0541**	**.5044**	**.2104**	**.2471**	**.5099**	**.5294**	**.0548**
Stddev	.005	.0000	.0000	.0018	.0048	.0067	.0071	.0021	.0009
%RSD	.2747	.0022	.0005	.3488	2.277	2.710	1.399	.3891	1.571
#1	1.998	.0511	.0541	.5031	.2070	.2424	.5049	.5279	.0542
#2	2.006	.0511	.0541	.5056	.2137	.2518	.5150	.5308	.0554

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5113**	**.8380**	**2.094**	**2.243**	**.5614**	**2.150**	**.5305**	**2.053**	**36.20**
Stddev	.0108	.0029	.009	.012	.0015	.005	.0029	.000	.11
%RSD	2.120	.3414	.4451	.5212	.2691	.2179	.5522	.0165	.3111
#1	.5036	.8360	2.088	2.235	.5603	2.147	.5284	2.053	36.28
#2	.5190	.8401	2.101	2.251	.5624	2.153	.5326	2.052	36.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.118**	**26.57**	**26.40**	**33.34**	**.0082**	**.0008**	**.0034**	**3.566**	**-.0005**
Stddev	.001	.12	.04	.06	.0001	.0001	.0007	.007	.0000
%RSD	.1153	.4438	.1378	.1838	.8412	12.30	19.43	.2096	1.706
#1	1.119	26.66	26.37	33.30	.0082	.0008	.0039	3.561	-.0005
#2	1.117	26.49	26.43	33.38	.0083	.0009	.0029	3.572	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0517**	**.0013**	**.0080**	**-.0000**	**2.736**	**-.0002**	**.0037**
Stddev	.0000	.0005	.0002	.0001	.012	.0002	.0008
%RSD	.0843	38.55	2.814	407.3	.4308	90.42	21.47
#1	.0516	.0016	.0082	-.0001	2.728	-.0003	.0042
#2	.0517	.0009	.0079	.0001	2.744	-.0001	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56225.**	**8564.3**	**1867.2**	**3811.0**
Stddev	971.	30.9	5.2	10.8
%RSD	1.7273	.36051	.28052	.28301
#1	56912.	8542.5	1870.9	3818.6
#2	55538.	8586.1	1863.5	3803.3

Zoom In Zoom Out

Sample Name: jb68950-2 Acquired: 6/20/2014 18:42:26 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC(160)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0353**	**-.0001**	**.0001**	**.0000**	**.0006**	**.2522**	**.0222**	**.0021**	**.0008**
Stddev	.0004	.0001	.0000	.0000	.0001	.0000	.0000	.0002	.0002
%RSD	1.190	71.40	3.680	86.60	15.15	.0089	.1575	8.503	24.84
#1	.0350	-.0001	.0001	.0000	.0005	.2522	.0222	.0022	.0006
#2	.0356	-.0000	.0001	.0001	.0006	.2522	.0222	.0020	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0771**	**.0015**	**.0027**	**.0021**	**-.0026**	**.0003**	**.0222**	**18.34**
Stddev	.0003	.0014	.0009	.0000	.0008	.0022	.0005	.0037	.14
%RSD	56.50	1.786	60.55	.6094	36.06	87.14	195.2	16.52	.7557
#1	-.0007	.0781	.0022	.0027	.0016	-.0042	.0006	.0196	18.25
#2	-.0003	.0762	.0009	.0027	.0026	-.0010	-.0001	.0248	18.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6086**	**2.546**	**2.451**	**43.00**	**.0235**	**-.0003**	**.0016**	**2.295**	**-.0006**
Stddev	.0032	.020	.001	.50	.0001	.0002	.0005	.038	.0003
%RSD	.5232	.7798	.0219	1.158	.3853	68.12	28.77	1.644	59.33
#1	.6064	2.560	2.451	42.65	.0234	-.0001	.0013	2.321	-.0003
#2	.6109	2.532	2.452	43.35	.0236	-.0004	.0019	2.268	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0681**	**-.0002**	**-.0073**	**-.0002**	**8.189**	**.0001**	**.0029**
Stddev	.0007	.0002	.0003	.0001	.122	.0000	.0002
%RSD	1.083	78.41	3.813	58.12	1.491	25.50	6.704
#1	.0676	-.0001	-.0075	-.0001	8.276	.0001	.0027
#2	.0686	-.0003	-.0071	-.0002	8.103	.0002	.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55600.**	**8546.4**	**1891.0**	**3907.9**
Stddev	235.	36.2	21.6	44.4
%RSD	.42183	.42340	1.1402	1.1361
#1	55766.	8572.0	1875.8	3876.5
#2	55434.	8520.8	1906.3	3939.3

Zoom In Zoom Out

Sample Name: mp80160-sd1 Acquired: 6/20/2014 18:48:32 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 950-2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0377**	**-.0008**	**.0001**	**.0005**	**.0013**	**.2440**	**.0224**	**.0017**	**.0009**
Stddev	.0008	.0005	.0006	.0002	.0026	.0010	.0004	.0015	.0018
%RSD	2.160	56.38	593.5	38.59	207.0	.3975	1.600	90.88	193.1
#1	.0371	-.0005	.0006	.0006	.0031	.2447	.0226	.0027	-.0003
#2	.0383	-.0012	-.0003	.0004	-.0006	.2434	.0221	.0006	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0024**	**.0829**	**.0070**	**.0075**	**.0022**	**-.0087**	**-.0024**	**.0084**	**18.63**
Stddev	.0005	.0007	.0018	.0021	.0007	.0003	.0023	.0040	.37
%RSD	20.54	.8027	25.67	28.18	33.50	3.789	92.45	47.35	2.012
#1	-.0027	.0824	.0057	.0060	.0027	-.0089	-.0040	.0112	18.37
#2	-.0020	.0834	.0082	.0090	.0017	-.0085	-.0008	.0056	18.90

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6445**	**2.586**	**2.521**	**43.24**	**.0255**	**-.0006**	**.0018**	**2.249**	**.0014**
Stddev	.0272	.071	.111	.70	.0005	.0000	.0052	.005	.0070
%RSD	4.225	2.728	4.391	1.629	1.885	2.900	294.1	.2247	495.8
#1	.6252	2.537	2.600	42.74	.0252	-.0007	-.0019	2.245	.0063
#2	.6637	2.636	2.443	43.74	.0258	-.0006	.0054	2.253	-.0035

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0690**	**-.0003**	**-.0358**	**.0003**	**7.522**	**-.0037**	**.0048**
Stddev	.0009	.0027	.0008	.0004	.009	.0009	.0009
%RSD	1.327	1058.	2.267	107.0	.1251	24.78	18.87
#1	.0684	.0017	-.0364	.0006	7.529	-.0031	.0042
#2	.0697	-.0022	-.0352	.0001	7.516	-.0044	.0054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57504.**	**8366.3**	**1939.4**	**4075.7**
Stddev	127.	155.8	5.1	10.4
%RSD	.22089	1.8620	.26453	.25459
#1	57414.	8476.5	1935.8	4068.4
#2	57594.	8256.2	1943.1	4083.0

Zoom In Zoom Out

Sample Name: jb68875-1 Acquired: 6/20/2014 18:54:38 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0624**	**-.0001**	**.0000**	**-.0000**	**.0005**	**.0043**	**.1805**	**.0001**	**.0005**
Stddev	.0015	.0000	.0001	.0000	.0006	.0004	.0063	.0000	.0001
%RSD	2.475	30.72	734.5	265.9	117.3	9.867	3.484	33.93	20.30
#1	.0613	-.0001	-.0001	.0000	.0001	.0040	.1760	.0001	.0004
#2	.0635	-.0001	.0001	-.0001	.0001	.0046	.1849	.0001	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0463**	**.0015**	**.0016**	**.0018**	**-.0020**	**-.0009**	**.0153**	**3.468**
Stddev	.0002	.0002	.0012	.0004	.0007	.0007	.0002	.0021	.084
%RSD	345.0	.4667	80.18	23.59	35.66	37.57	21.84	13.50	2.414
#1	.0001	.0465	.0007	.0019	.0023	-.0014	-.0008	.0138	3.409
#2	-.0002	.0462	.0024	.0014	.0014	-.0025	-.0010	.0167	3.527

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.74**	**2.120**	**1.377**	**2.354**	**.0051**	**-.0004**	**.0037**	**4.257**	**-.0005**
Stddev	.32	.029	.038	.049	.0002	.0001	.0006	.025	.0004
%RSD	2.710	1.377	2.742	2.087	3.823	23.47	16.26	.5776	75.04
#1	11.51	2.100	1.350	2.319	.0053	-.0004	.0041	4.239	-.0003
#2	11.96	2.141	1.403	2.389	.0050	-.0003	.0032	4.274	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0377**	**-.0007**	**-.0057**	**-.0001**	**2.920**	**.0006**	**.0067**
Stddev	.0009	.0000	.0006	.0000	.016	.0002	.0002
%RSD	2.393	6.564	10.56	34.82	.5479	27.59	2.318
#1	.0370	-.0007	-.0053	-.0001	2.909	.0007	.0066
#2	.0383	-.0007	-.0061	-.0001	2.931	.0005	.0068

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56668.**	**8661.7**	**1980.6**	**4202.3**
Stddev	1621.	148.7	11.8	16.3
%RSD	2.8604	1.7168	.59640	.38758
#1	57815.	8766.9	1988.9	4213.8
#2	55522.	8556.6	1972.2	4190.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 19:00:45 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**2.026**	**1.977**	**2.002**	**2.099**	**1.976**	**2.063**	**2.071**	**.2449**
Stddev	.003	.004	.003	.005	.012	.013	.013	.002	.0018
%RSD	.1651	.1816	.1479	.2649	.5760	.6618	.6047	.0904	.7272
#1	2.004	2.029	1.979	2.005	2.107	1.985	2.072	2.072	.2462
#2	1.999	2.023	1.975	1.998	2.090	1.967	2.054	2.070	.2437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.063**	**1.922**	**2.065**	**2.110**	**1.930**	**1.981**	**40.76**	**40.78**
Stddev	.018	.004	.006	.005	.000	.010	.002	.01	.10
%RSD	.8629	.2020	.3336	.2555	.0060	.5088	.1186	.0151	.2338
#1	2.066	2.066	1.927	2.069	2.110	1.937	1.982	40.76	40.85
#2	2.041	2.060	1.918	2.062	2.110	1.923	1.979	40.75	40.71
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	**40.65**	**39.12**	**39.51**	**40.48**	**2.019**	**1.976**	**1.986**	**4.976**	**2.076**
Stddev	.05	.25	.04	.01	.002	.004	.011	.006	.002
%RSD	.1308	.6282	.1083	.0271	.0838	.1893	.5448	.1243	.0862
#1	40.68	39.29	39.54	40.47	2.020	1.978	1.993	4.981	2.078
#2	40.61	38.94	39.48	40.49	2.018	1.973	1.978	4.972	2.075
Check ?	Chk Pass	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: 6/20/2014 19:00:45 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.056**	**2.041**	F **1.736**	**2.049**	**1.922**	**1.941**	**1.928**
Stddev	.000	.014	.008	.017	.016	.001	.003
%RSD	.0015	.6742	.4857	.8494	.8218	.0556	.1540
#1	2.056	2.051	1.730	2.061	1.933	1.942	1.930
#2	2.056	2.032	1.741	2.037	1.911	1.940	1.926
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**53976.**	**8212.4**	**1843.9**	**3679.0**
Stddev	340.	4.5	2.0	5.2
%RSD	.63048	.05463	.10922	.14200
#1	53735.	8209.2	1842.5	3675.3
#2	54216.	8215.6	1845.4	3682.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 19:06:40 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**.0000**	**-.0001**	**.0001**	**-.0000**	**-.0001**	**-.0002**	**.0003**
Stddev	.0002	.0000	.0001	.0002	.0004	.0001	.0000	.0001	.0001
%RSD	154.3	18.09	468.3	438.0	327.5	196.6	38.24	46.84	21.83
#1	.0003	-.0001	.0001	.0001	-.0001	.0000	-.0001	-.0001	.0003
#2	-.0000	-.0002	-.0001	-.0002	.0004	-.0001	-.0000	-.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**.0008**	**.0010**	**.0007**	**-.0007**	**-.0000**	**.0073**	**-.0064**
Stddev	.0001	.0000	.0003	.0006	.0012	.0018	.0005	.0131	.0001
%RSD	147.5	29.26	41.65	60.92	161.1	264.1	2745.	178.3	.8356
#1	-.0002	-.0001	.0005	.0006	-.0001	-.0019	.0003	-.0019	-.0065
#2	.0000	-.0001	.0010	.0014	.0015	.0006	-.0004	.0166	-.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	**-.0010**	**-.0073**	**.0419**	**.0125**	**.0002**	**.0005**	**-.0006**	**-.0007**	**.0005**
Stddev	.0022	.0449	.0191	.0034	.0001	.0001	.0007	.0004	.0003
%RSD	215.6	619.4	45.47	27.17	66.89	19.80	117.2	62.48	62.28
#1	.0005	-.0390	.0554	.0101	.0001	.0006	-.0001	-.0010	.0003
#2	-.0025	.0245	.0284	.0149	.0003	.0005	-.0011	-.0004	.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: 6/20/2014 19:06:40 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0000**	**.0110**	**.0010**	**-.0072**	**-.0007**	**.0006**
Stddev	.0000	.0002	.0021	.0001	.0002	.0000	.0001
%RSD	109.8	543.2	19.20	10.81	3.107	4.687	20.87
#1	.0000	-.0002	.0125	.0009	-.0071	-.0007	.0006
#2	.0001	.0001	.0095	.0010	-.0074	-.0006	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57773.**	**8921.9**	**1970.0**	**4167.0**
Stddev	608.	571.0	10.7	19.8
%RSD	1.0529	6.4001	.54076	.47534
#1	57342.	8518.1	1977.5	4181.1
#2	58203.	9325.6	1962.4	4153.0

Zoom In Zoom Out

Sample Name: jb68875-2 Acquired: 6/20/2014 19:12:51 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0489**	**-.0001**	**.0000**	**.0001**	**.0003**	**.0097**	**.1397**	**.0011**	**.0005**
Stddev	.0011	.0000	.0002	.0003	.0000	.0001	.0007	.0001	.0001
%RSD	2.238	24.86	3346.	288.0	16.80	1.161	.5061	4.986	21.35
#1	.0497	-.0001	-.0001	.0003	.0003	.0097	.1402	.0011	.0004
#2	.0481	-.0000	.0001	-.0001	.0002	.0098	.1392	.0012	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0045**	**.0014**	**.0007**	**.0011**	**-.0010**	**-.0003**	**.0227**	**2.729**
Stddev	.0003	.0000	.0001	.0003	.0004	.0004	.0001	.0060	.054
%RSD	173.9	.2630	10.08	40.92	40.27	43.59	33.46	26.54	1.964
#1	.0003	.0046	.0015	.0010	.0008	-.0013	-.0003	.0185	2.767
#2	-.0000	.0045	.0013	.0005	.0014	-.0007	-.0002	.0270	2.692

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.104**	**1.628**	**1.339**	**1.398**	**.0055**	**-.0001**	**.0048**	**4.349**	**-.0004**
Stddev	.204	.001	.024	.020	.0005	.0000	.0013	.023	.0002
%RSD	2.244	.0327	1.810	1.424	9.136	23.14	28.06	.5350	51.46
#1	9.249	1.627	1.356	1.412	.0058	-.0001	.0038	4.333	-.0002
#2	8.960	1.628	1.322	1.384	.0051	-.0001	.0057	4.365	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0295**	**.0001**	**.0007**	**.0002**	**3.025**	**-.0002**	**.0065**
Stddev	.0007	.0000	.0009	.0003	.014	.0003	.0008
%RSD	2.403	65.88	124.8	125.6	.4502	118.4	12.17
#1	.0300	.0001	.0014	.0004	3.015	-.0004	.0071
#2	.0290	.0000	.0001	.0000	3.034	-.0000	.0059

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58375.**	**8672.6**	**1954.2**	**4159.1**
Stddev	189.	179.3	10.1	24.1
%RSD	.32340	2.0670	.51772	.58026
#1	58242.	8545.9	1961.4	4176.2
#2	58509.	8799.4	1947.1	4142.0

Zoom In Zoom Out

Sample Name: jb68875-3 Acquired: 6/20/2014 19:18:58 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0509**	**-.0001**	**-.0001**	**-.0000**	**.0003**	**.0094**	**.1576**	**.0008**	**.0006**
Stddev	.0009	.0001	.0001	.0000	.0001	.0007	.0076	.0002	.0003
%RSD	1.838	92.48	160.2	152.0	44.84	7.715	4.851	23.91	41.33
#1	.0516	-.0000	.0000	-.0001	.0002	.0099	.1630	.0006	.0004
#2	.0502	-.0002	-.0002	.0000	.0004	.0089	.1522	.0009	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0103**	**.0024**	**.0011**	**.0014**	**-.0021**	**-.0012**	**.0168**	**4.901**
Stddev	.0001	.0002	.0001	.0010	.0003	.0012	.0014	.0035	.040
%RSD	57.48	1.721	4.755	92.37	23.87	58.18	119.5	20.74	.8083
#1	.0003	.0102	.0023	.0004	.0012	-.0029	-.0002	.0193	4.929
#2	.0001	.0104	.0024	.0019	.0017	-.0012	-.0022	.0144	4.873

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.957**	**1.379**	**1.452**	**2.285**	**.0079**	**-.0001**	**.0044**	**4.190**	**-.0009**
Stddev	.059	.003	.025	.015	.0002	.0001	.0009	.106	.0001
%RSD	.6641	.2342	1.702	.6717	2.925	58.09	20.34	2.535	13.32
#1	8.999	1.377	1.470	2.296	.0077	-.0001	.0037	4.115	-.0008
#2	8.915	1.381	1.435	2.274	.0081	-.0002	.0050	4.265	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0782**	**-.0003**	**-.0005**	**.0001**	**2.762**	**.0001**	**-.0001**
Stddev	.0005	.0002	.0003	.0002	.071	.0006	.0008
%RSD	.6253	51.16	62.41	321.1	2.589	539.1	751.7
#1	.0785	-.0005	-.0007	-.0001	2.711	-.0003	.0005
#2	.0778	-.0002	-.0003	.0002	2.812	.0006	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57607.**	**8606.9**	**1953.8**	**4152.5**
Stddev	2396.	90.6	43.9	93.7
%RSD	4.1588	1.0525	2.2452	2.2575
#1	55913.	8542.8	1984.8	4218.8
#2	59301.	8671.0	1922.8	4086.2

Zoom In Zoom Out

Sample Name: jb68876-2 Acquired: 6/20/2014 19:25:05 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0405**	**-.0001**	**-.0001**	**.0001**	**.0004**	**.0194**	**.0010**	**.0003**	**.0003**
Stddev	.0006	.0001	.0001	.0001	.0004	.0003	.0001	.0002	.0002
%RSD	1.360	49.58	73.10	146.0	95.58	1.622	5.444	63.54	50.74
#1	.0409	-.0001	-.0000	-.0000	.0007	.0196	.0010	.0002	.0004
#2	.0401	-.0002	-.0001	.0002	.0001	.0192	.0010	.0004	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0043**	**.0015**	**.0011**	**.0015**	**-.0015**	**-.0000**	**.0241**	**12.52**
Stddev	.0004	.0000	.0005	.0002	.0001	.0012	.0002	.0021	.12
%RSD	105.7	.8128	29.75	21.85	6.266	78.85	631.3	8.528	.9608
#1	-.0006	.0043	.0019	.0013	.0016	-.0023	-.0002	.0227	12.61
#2	-.0001	.0043	.0012	.0009	.0014	-.0007	.0001	.0256	12.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0855**	**1.409**	**1.422**	**7.881**	**.0080**	**-.0001**	**.0034**	**3.421**	**-.0001**
Stddev	.0065	.033	.010	.085	.0005	.0000	.0013	.004	.0001
%RSD	7.572	2.369	.7133	1.075	6.681	29.80	39.34	.1264	54.43
#1	.0901	1.433	1.430	7.941	.0077	-.0002	.0043	3.418	-.0002
#2	.0809	1.385	1.415	7.821	.0084	-.0001	.0025	3.424	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0773**	**-.0000**	**-.0033**	**.0002**	**2.860**	**.0006**	**.0021**
Stddev	.0007	.0007	.0005	.0003	.004	.0008	.0009
%RSD	.9524	2494.	15.99	131.6	.1209	117.2	40.77
#1	.0778	-.0005	-.0036	.0004	2.858	.0012	.0028
#2	.0767	.0005	-.0029	.0000	2.863	.0001	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58392.**	**8784.6**	**1951.0**	**4116.0**
Stddev	34.	82.7	3.4	10.7
%RSD	.05738	.94146	.17357	.25948
#1	58368.	8726.2	1953.4	4123.5
#2	58415.	8843.1	1948.6	4108.4

Zoom In Zoom Out

Sample Name: jb68876-1a Acquired: 6/20/2014 19:31:12 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0352**	**-.0001**	**-.0001**	**-.0001**	**.0001**	**.0170**	**.0004**	**.0003**	**.0009**
Stddev	.0031	.0000	.0001	.0001	.0001	.0004	.0000	.0002	.0005
%RSD	8.689	40.84	135.7	129.8	151.3	2.522	3.079	59.06	53.64
#1	.0330	-.0002	-.0000	-.0002	.0002	.0173	.0004	.0002	.0013
#2	.0373	-.0001	-.0001	-.0000	-.0000	.0167	.0004	.0004	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.2477**	**.0012**	**.0005**	**.0002**	**-.0013**	**-.0010**	**.0124**	**3.221**
Stddev	.0004	.0004	.0001	.0004	.0003	.0006	.0008	.0087	.282
%RSD	78.41	.1465	8.890	73.29	136.5	46.58	85.36	70.33	8.753
#1	-.0002	.2475	.0012	.0003	.0000	-.0018	-.0004	.0062	3.022
#2	-.0007	.2480	.0013	.0008	.0005	-.0009	-.0015	.0185	3.420

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0063**	**1.964**	**1.293**	**32.02**	**.0060**	**-.0003**	**.0035**	**3.501**	**-.0008**
Stddev	.0010	.137	.093	2.38	.0005	.0001	.0008	.012	.0004
%RSD	15.40	6.992	7.198	7.434	8.057	29.82	22.57	.3543	52.23
#1	.0070	1.867	1.227	30.33	.0057	-.0003	.0041	3.493	-.0010
#2	.0056	2.061	1.359	33.70	.0063	-.0002	.0030	3.510	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0334**	**-.0002**	**-.0036**	**.0001**	**2.955**	**.0002**	**.0061**
Stddev	.0026	.0000	.0007	.0001	.010	.0007	.0004
%RSD	7.768	5.127	19.45	62.85	.3365	365.4	5.804
#1	.0316	-.0002	-.0031	.0002	2.948	-.0003	.0063
#2	.0352	-.0002	-.0041	.0001	2.962	.0007	.0058

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57629.**	**8768.4**	**1952.5**	**4045.4**
Stddev	51.	593.7	8.1	16.6
%RSD	.08820	6.7709	.41271	.41139
#1	57665.	9188.2	1958.2	4057.1
#2	57594.	8348.6	1946.9	4033.6

Zoom In Zoom Out

Sample Name: jb68950-1 Acquired: 6/20/2014 19:37:17 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0377**	**-.0002**	**.0001**	**.0001**	**.0000**	**.0547**	**.0158**	**.0022**	**.0003**
Stddev	.0003	.0001	.0002	.0001	.0002	.0002	.0000	.0003	.0003
%RSD	.9250	26.13	149.5	63.44	461.1	.2850	.0238	14.94	77.69
#1	.0375	-.0002	.0002	.0001	-.0001	.0546	.0158	.0024	.0001
#2	.0380	-.0003	-.0000	.0001	.0002	.0549	.0158	.0020	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0297**	**.0020**	**.0010**	**.0001**	**-.0011**	**-.0009**	**.0176**	**18.52**
Stddev	.0003	.0001	.0008	.0001	.0003	.0001	.0010	.0013	.04
%RSD	446.1	.1804	37.46	12.31	410.0	11.73	108.6	7.178	.2053
#1	-.0003	.0297	.0015	.0011	-.0002	-.0010	-.0002	.0185	18.49
#2	.0002	.0298	.0026	.0009	.0003	-.0012	-.0016	.0167	18.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1728**	**2.574**	**2.438**	**43.46**	**.0239**	**-.0003**	**.0013**	**2.333**	**-.0008**
Stddev	.0003	.010	.015	.01	.0000	.0001	.0010	.011	.0001
%RSD	.1681	.3908	.5955	.0284	.0497	50.90	75.52	.4746	14.10
#1	.1726	2.567	2.448	43.46	.0239	-.0004	.0020	2.325	-.0008
#2	.1731	2.581	2.428	43.45	.0238	-.0002	.0006	2.341	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0687**	**.0006**	**-.0049**	**.0001**	**8.192**	**.0005**	**.0021**
Stddev	.0000	.0004	.0007	.0000	.035	.0014	.0006
%RSD	.0676	68.94	14.89	3.610	.4254	270.4	29.70
#1	.0688	.0010	-.0044	.0001	8.168	-.0005	.0025
#2	.0687	.0003	-.0054	.0001	8.217	.0015	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56604.**	**8459.5**	**1909.0**	**3930.8**
Stddev	85.	1.8	8.3	15.6
%RSD	.15099	.02090	.43474	.39750
#1	56665.	8460.8	1914.9	3941.8
#2	56544.	8458.3	1903.2	3919.8

Zoom In Zoom Out

Sample Name: jb69520-1 Acquired: 6/20/2014 19:43:23 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0288**	**-.0002**	**-.0002**	**.0000**	**-.0001**	**.0037**	**.0014**	**.0019**	**.0014**
Stddev	.0001	.0000	.0000	.0001	.0001	.0005	.0001	.0001	.0005
%RSD	.4544	17.82	5.693	653.9	101.6	12.51	5.407	5.512	33.48
#1	.0289	-.0001	-.0002	-.0001	-.0001	.0034	.0013	.0019	.0017
#2	.0287	-.0002	-.0002	.0001	-.0000	.0041	.0014	.0020	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.2090**	**.0017**	**.0006**	**.0011**	**-.0012**	**-.0015**	**.0206**	**8.076**
Stddev	.0001	.0019	.0004	.0008	.0004	.0012	.0008	.0008	.007
%RSD	15.76	.9082	21.29	122.7	33.07	98.94	52.08	4.125	.0829
#1	-.0006	.2103	.0019	.0001	.0013	-.0004	-.0009	.0212	8.072
#2	-.0005	.2076	.0014	.0012	.0008	-.0020	-.0020	.0200	8.081

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0265**	**1.497**	**1.350**	**17.56**	**.0058**	**-.0004**	**.0039**	**3.529**	**-.0006**
Stddev	.0004	.006	.006	.01	.0003	.0000	.0006	.034	.0006
%RSD	1.598	.4187	.4594	.0483	4.510	4.340	16.73	.9599	114.0
#1	.0262	1.501	1.355	17.57	.0060	-.0004	.0034	3.553	-.0010
#2	.0268	1.492	1.346	17.56	.0057	-.0003	.0043	3.505	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0445**	**-.0001**	**-.0041**	**.0003**	**2.838**	**.0007**	**.0051**
Stddev	.0001	.0001	.0008	.0001	.025	.0008	.0004
%RSD	.2391	118.6	19.82	44.03	.8621	100.7	8.218
#1	.0446	-.0000	-.0035	.0004	2.855	.0002	.0054
#2	.0445	-.0002	-.0046	.0002	2.821	.0013	.0048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57765.**	**8508.9**	**1945.0**	**4068.4**
Stddev	77.	16.8	9.0	22.3
%RSD	.13361	.19721	.46391	.54891
#1	57710.	8497.0	1938.6	4052.6
#2	57819.	8520.8	1951.4	4084.2

Zoom In Zoom Out

Sample Name: jb69520-2 Acquired: 6/20/2014 19:49:28 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**-.0001**	**-.0001**	**-.0002**	**.0000**	**.0011**	**.0016**	**-.0001**	**.0013**
Stddev	.0001	.0000	.0001	.0001	.0003	.0000	.0000	.0001	.0005
%RSD	.2756	15.99	47.14	61.09	1449.	.7299	1.968	85.59	43.29
#1	.0347	-.0001	-.0002	-.0003	.0002	.0010	.0016	-.0002	.0009
#2	.0348	-.0001	-.0001	-.0001	-.0002	.0011	.0016	-.0001	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.3034**	**.0016**	**.0013**	**.0014**	**-.0011**	**-.0010**	**.0120**	**11.24**
Stddev	.0002	.0011	.0006	.0003	.0010	.0016	.0004	.0012	.01
%RSD	2960.	.3666	40.71	22.67	74.74	148.4	44.87	10.35	.1072
#1	-.0001	.3042	.0020	.0015	.0021	.0001	-.0013	.0129	11.23
#2	.0002	.3026	.0011	.0011	.0006	-.0022	-.0007	.0111	11.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0520**	**1.415**	**1.380**	**7.503**	**.0067**	**-.0004**	**.0032**	**3.412**	**-.0009**
Stddev	.0007	.031	.003	.024	.0002	.0002	.0012	.014	.0002
%RSD	1.328	2.189	.2236	.3134	2.768	52.02	38.34	.4208	26.22
#1	.0515	1.394	1.382	7.486	.0066	-.0002	.0041	3.423	-.0010
#2	.0525	1.437	1.377	7.519	.0068	-.0005	.0024	3.402	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0521**	**.0001**	**-.0044**	**.0001**	**2.613**	**.0002**	**.0051**
Stddev	.0000	.0001	.0001	.0003	.007	.0002	.0010
%RSD	.0553	50.61	1.998	313.4	.2651	88.62	19.04
#1	.0521	.0002	-.0045	.0003	2.618	.0001	.0058
#2	.0521	.0001	-.0044	-.0001	2.609	.0004	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58429.	8630.9	1970.4	4156.6
Stddev	289.	22.0	4.9	14.4
%RSD	.49517	.25491	.25009	.34667
#1	58224.	8646.5	1966.9	4146.4
#2	58633.	8615.4	1973.9	4166.7

Zoom In Zoom Out

Sample Name: jb69520-3 Acquired: 6/20/2014 19:55:33 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0351**	**-.0002**	**-.0001**	**-.0001**	**.0007**	**.0117**	**.0058**	**.0006**	**.0015**
Stddev	.0008	.0001	.0001	.0003	.0000	.0006	.0003	.0001	.0002
%RSD	2.333	50.83	88.84	237.1	6.988	5.451	5.234	19.58	16.37
#1	.0345	-.0001	-.0002	-.0003	.0007	.0112	.0055	.0005	.0013
#2	.0357	-.0002	-.0000	.0001	.0007	.0121	.0060	.0007	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.3334**	**.0012**	**.0007**	**.0070**	**-.0020**	**-.0005**	**.0372**	**11.31**
Stddev	.0001	.0025	.0003	.0005	.0001	.0003	.0003	.0032	.24
%RSD	635.6	.7621	25.86	72.96	1.586	15.86	62.30	8.545	2.114
#1	-.0001	.3352	.0010	.0011	.0069	-.0022	-.0003	.0394	11.14
#2	.0001	.3316	.0014	.0004	.0071	-.0018	-.0007	.0349	11.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2418**	**1.416**	**1.324**	**7.509**	**.0063**	**-.0004**	**.0034**	**3.422**	**-.0001**
Stddev	.0072	.045	.016	.147	.0005	.0001	.0016	.016	.0006
%RSD	2.979	3.176	1.239	1.964	7.747	15.21	48.04	.4520	448.9
#1	.2367	1.384	1.312	7.405	.0066	-.0004	.0045	3.433	-.0006
#2	.2469	1.447	1.335	7.614	.0059	-.0004	.0022	3.411	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0554**	**-.0002**	**-.0040**	**.0001**	**2.644**	**.0005**	**.0038**
Stddev	.0012	.0003	.0001	.0000	.006	.0001	.0004
%RSD	2.186	157.8	3.568	11.99	.2200	10.24	11.20
#1	.0545	-.0005	-.0041	.0001	2.648	.0006	.0035
#2	.0562	.0000	-.0039	.0002	2.640	.0005	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58828.	8635.1	1971.2	4162.1
Stddev	1770.	176.9	5.2	9.1
%RSD	3.0090	2.0483	.26530	.21765
#1	60079.	8760.2	1967.5	4155.7
#2	57576.	8510.0	1974.9	4168.5

Zoom In Zoom Out

Sample Name: mp80167-mb1 2 Acquired: 6/20/2014 20:01:38 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0001**	**.0002**	**.0014**	**-.0001**	**.0009**	**.0001**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0002	.0001	.0001	.0001	.0002
%RSD	12.48	91.40	138.2	65.92	11.44	86.61	7.914	66.18	195.1
#1	.0006	-.0002	.0001	.0003	.0013	-.0001	.0009	.0002	.0003
#2	.0007	-.0000	.0000	.0001	.0015	-.0000	.0008	.0001	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0057**	**.0014**	**-.0007**	**.0009**	**.0003**	**.0006**	**.0120**	**.0582**
Stddev	.0002	.0001	.0005	.0014	.0004	.0010	.0005	.0021	.0032
%RSD	42.08	1.529	33.64	191.9	41.70	284.6	83.77	17.46	5.564
#1	-.0005	.0057	.0017	.0003	.0007	.0010	.0010	.0135	.0559
#2	-.0003	.0056	.0010	-.0018	.0012	-.0003	.0003	.0105	.0605

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0385**	**-.0122**	**.0546**	**.0398**	**.0002**	**-.0000**	**.0003**	**.0387**	**.0233**
Stddev	.0052	.0183	.0132	.0037	.0005	.0000	.0015	.0005	.0001
%RSD	13.50	150.6	24.09	9.341	246.3	113.6	463.0	1.251	.5057
#1	.0349	-.0251	.0639	.0425	-.0002	-.0000	.0014	.0384	.0234
#2	.0422	.0008	.0453	.0372	.0006	-.0001	-.0007	.0391	.0232

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0004**	**-.0028**	**.0006**	**-.0006**	**-.0004**	**.0001**
Stddev	.0000	.0000	.0005	.0002	.0023	.0003	.0001
%RSD	18.07	5.103	16.59	27.69	399.7	71.76	153.6
#1	.0002	.0004	-.0032	.0005	-.0022	-.0005	-.0000
#2	.0002	.0003	-.0025	.0007	.0011	-.0002	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59255.**	**8485.2**	**1977.8**	**4196.6**
Stddev	210.	77.3	7.9	11.6
%RSD	.35366	.91136	.40087	.27754
#1	59107.	8539.8	1983.4	4204.9
#2	59403.	8430.5	1972.2	4188.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 20:07:48 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**2.032**	**2.020**	**2.053**	**2.134**	**1.992**	**2.097**	**2.124**	**.2472**
Stddev	.005	.002	.019	.019	.013	.009	.017	.018	.0015
%RSD	.2669	.0782	.9413	.9277	.6083	.4527	.8168	.8228	.5927
#1	2.002	2.031	2.006	2.039	2.125	1.986	2.085	2.112	.2462
#2	2.010	2.033	2.033	2.066	2.143	1.998	2.109	2.137	.2483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.127**	**1.967**	**2.113**	**2.157**	**1.970**	**2.016**	**40.93**	**41.21**
Stddev	.004	.021	.023	.017	.021	.027	.015	.03	.02
%RSD	.1749	.9652	1.186	.8202	.9540	1.383	.7346	.0664	.0520
#1	2.072	2.112	1.951	2.100	2.143	1.951	2.005	40.91	41.19
#2	2.077	2.141	1.984	2.125	2.172	1.989	2.026	40.95	41.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.77**	**39.59**	**39.72**	**40.61**	**2.058**	**2.021**	**2.010**	**5.063**	**2.129**
Stddev	.02	.02	.01	.04	.016	.021	.011	.042	.017
%RSD	.0418	.0485	.0156	.1010	.7902	1.021	.5383	.8345	.7974
#1	40.76	39.58	39.72	40.58	2.046	2.006	2.002	5.033	2.117
#2	40.78	39.61	39.71	40.64	2.069	2.036	2.017	5.093	2.141
Check ?	Chk Pass	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: 6/20/2014 20:07:48 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.069**	**1.805**	**2.068**	**1.969**	**1.973**	**1.939**
Stddev	.002	.018	.040	.004	.014	.018	.008
%RSD	.1010	.8609	2.215	.2148	.7041	.8956	.4216
#1	2.052	2.057	1.776	2.065	1.959	1.961	1.933
#2	2.055	2.082	1.833	2.071	1.979	1.986	1.945
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	**53675.**	**8144.0**	**1825.2**	**3634.8**
Stddev	139.	13.7	14.4	28.2
%RSD	.25860	.16876	.78808	.77612
#1	53774.	8134.3	1835.4	3654.7
#2	53577.	8153.7	1815.1	3614.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 20:13:42 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**.0000**	**.0001**	**.0007**	**-.0002**	**.0001**	**-.0001**
Stddev	.0001	.0001	.0001	.0004	.0006	.0003	.0000	.0002
%RSD	36.76	78.73	934.9	275.0	81.84	154.0	7.454	346.6
#1	.0002	-.0000	-.0001	-.0001	.0003	-.0004	.0001	-.0002
#2	.0004	-.0002	.0001	.0004	.0011	.0000	.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**	**-.0001**	**.0000**	**.0012**	**.0011**	**-.0003**	**-.0024**	**-.0006**
Stddev	.0004	.0002	.0001	.0000	.0010	.0008	.0004	.0007
%RSD	174.2	372.2	304.2	.5498	94.30	238.4	16.46	122.1
#1	-.0005	.0001	-.0000	.0012	.0004	-.0009	-.0022	-.0001
#2	.0001	-.0002	.0001	.0012	.0018	.0002	-.0027	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0128**	**-.0059**	**.0009**	**-.0054**	**.0446**	**.0095**	**.0006**	**.0007**
Stddev	.0017	.0082	.0005	.0030	.0055	.0002	.0001	.0001
%RSD	13.18	138.0	58.25	54.84	12.44	2.170	10.94	17.64
#1	.0140	-.0001	.0012	-.0033	.0407	.0094	.0006	.0006
#2	.0116	-.0117	.0005	-.0075	.0485	.0096	.0007	.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: 6/20/2014 20:13:42 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0008**	**.0006**	**.0001**	**.0000**	W **.0167**	**.0012**	**-.0066**
Stddev	.0012	.0000	.0005	.0000	.0001	.0011	.0000	.0030
%RSD	246.6	2.311	73.87	44.95	313.8	6.629	3.513	45.85
#1	.0004	-.0008	.0003	.0001	-.0001	.0175	.0012	-.0087
#2	-.0014	-.0008	.0010	.0001	.0001	.0159	.0012	-.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit						.0159		
Low Limit						-.0159		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0004**	**.0008**
Stddev	.0007	.0010
%RSD	155.6	119.8
#1	-.0009	.0015
#2	.0000	.0001
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59220.**	**8497.3**	**2014.7**	**4250.5**
Stddev	113.	50.8	5.5	8.3
%RSD	.19071	.59790	.27122	.19429
#1	59140.	8533.3	2018.6	4256.3
#2	59300.	8461.4	2010.9	4244.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 20:19:53 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2014**	**.0021**	**.0032**	**.0510**	**.0114**	**.0101**	**.0162**	**.0104**	**.0051**
Stddev	.0001	.0001	.0000	.0001	.0006	.0002	.0002	.0002	.0006
%RSD	.0569	2.913	.7252	.2081	5.625	2.406	1.190	1.531	12.31
#1	.2014	.0020	.0032	.0509	.0110	.0100	.0161	.0102	.0046
#2	.2015	.0021	.0032	.0511	.0119	.0103	.0163	.0105	.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	**.0548**	**.0241**	**.0079**	**.0110**	**.0032**	**.0112**	**.0051**	**.2154**	**5.032**
Stddev	.0002	.0001	.0008	.0005	.0010	.0013	.0004	.0141	.007
%RSD	.3503	.5972	10.44	4.225	30.50	11.62	7.914	6.530	.1313
#1	.0549	.0242	.0085	.0113	.0025	.0103	.0054	.2055	5.027
#2	.0547	.0240	.0074	.0107	.0039	.0122	.0048	.2254	5.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1080**	**4.940**	**4.856**	**5.047**	**.1025**	**.0209**	**.0549**	**.2032**	**.0111**
Stddev	.0087	.030	.003	.019	.0000	.0001	.0006	.0006	.0007
%RSD	8.040	.6060	.0567	.3842	.0472	.4102	1.002	.2954	6.124
#1	.1019	4.961	4.858	5.033	.1024	.0208	.0553	.2028	.0106
#2	.1142	4.919	4.854	5.060	.1025	.0209	.0545	.2036	.0116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 20:19:53 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0104**	**.0587**	**.0114**	**.0417**	**.0199**	**.0196**
Stddev	.0001	.0001	.0008	.0000	.0014	.0004	.0004
%RSD	1.228	1.295	1.347	.0404	3.311	2.079	2.291
#1	.0106	.0103	.0593	.0114	.0408	.0196	.0193
#2	.0108	.0105	.0582	.0114	.0427	.0202	.0199
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	**57477.**	**8436.1**	**1964.5**	**4086.4**
Stddev	147.	36.2	3.0	7.6
%RSD	.25640	.42915	.15352	.18489
#1	57373.	8461.7	1962.3	4081.1
#2	57581.	8410.5	1966.6	4091.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 20:26:02 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0008**	**.0010**	**.0030**	**.0022**	**.0019**	**.0032**	**.0043**
Stddev	.0000	.0000	.0002	.0000	.0002	.0002	.0000	.0000
%RSD	.3539	5.425	17.24	1.039	8.988	8.314	.0345	.5188
#1	.0045	.0008	.0011	.0030	.0020	.0020	.0032	.0044
#2	.0045	.0008	.0009	.0031	.0023	.0018	.0032	.0043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0019**	**.0121**	**.0037**	**.0017**	**.0031**	**.0038**	**.0027**
Stddev	.0003	.0003	.0002	.0005	.0003	.0007	.0008	.0003
%RSD	32.34	14.00	1.515	13.38	18.90	20.82	21.94	10.18
#1	.0010	.0017	.0123	.0041	.0015	.0027	.0033	.0029
#2	.0006	.0021	.0120	.0034	.0020	.0036	.0044	.0025
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	**.1116**	**1.053**	**.0018**	**.0904**	**2.042**	**1.046**	**.0100**	**.0002**
Stddev	.0000	.002	.0010	.0185	.016	.004	.0003	.0001
%RSD	.0331	.1539	54.62	20.40	.7958	.3387	2.507	44.00
#1	.1116	1.054	.0011	.1035	2.031	1.043	.0098	.0001
#2	.1116	1.052	.0025	.0774	2.053	1.048	.0102	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 20:26:02 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0016**	**.0001**	**.0001**	**.0000**	**.0042**	F **.0004**	F **-.0047**
Stddev	.0005	.0007	.0007	.0000	.0000	.0006	.0000	.0005
%RSD	325.0	45.94	519.5	3.780	74.38	14.40	6.338	10.98
#1	.0005	-.0011	.0006	.0001	.0000	.0047	.0004	-.0051
#2	-.0002	-.0021	-.0004	.0001	.0001	.0038	.0004	-.0044
Check ?	None	None	None	None	None	Chk Pass	Chk Fail	Chk Fail
Value							.0040	.0040
Range							-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0004**	F **-.0005**
Stddev	.0001	.0004
%RSD	28.47	88.11
#1	-.0005	-.0002
#2	-.0003	-.0008
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	**58291.**	**8339.4**	**1980.0**	**4164.1**
Stddev	299.	24.3	1.2	5.1
%RSD	.51318	.29164	.06260	.12346
#1	58502.	8322.2	1980.9	4167.8
#2	58079.	8356.6	1979.2	4160.5

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 20:32:13 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0002**	**.0001**	**.0001**	**.0002**	**-.0000**	**-.0000**	**-.0001**	**-.0002**
Stddev	.0002	.0000	.0000	.0002	.0000	.0001	.0001	.0002	.0004
%RSD	42.16	13.31	16.62	148.1	10.29	201.0	651.4	140.0	218.9
#1	.0003	-.0002	.0001	.0003	.0002	-.0001	-.0001	-.0000	-.0005
#2	.0005	-.0001	.0002	-.0000	.0002	.0000	.0001	-.0002	.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**	**.0001**	**.0199**	**-.0007**	**.0212**	**.0181**	**.0195**	**.4989**	**-.0060**
Stddev	.0004	.0000	.0008	.0001	.0006	.0002	.0000	.0059	.0005
%RSD	486.1	11.77	4.085	21.06	3.020	1.288	.2275	1.175	8.854
#1	.0004	.0001	.0205	-.0008	.0216	.0179	.0195	.4948	-.0063
#2	-.0002	.0001	.0193	-.0006	.0207	.0183	.0195	.5031	-.0056
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	**.5244**	**-.0021**	**.0082**	**.0034**	**-.0004**	**.0001**	**.0002**	**-.0013**	**.0001**
Stddev	.0077	.0343	.0003	.0004	.0000	.0001	.0006	.0001	.0013
%RSD	1.472	1672.	3.979	12.38	2.591	92.74	236.4	6.177	1056.
#1	.5190	.0222	.0084	.0037	-.0004	.0002	-.0002	-.0014	-.0008
#2	.5299	-.0263	.0079	.0031	-.0004	.0000	.0007	-.0013	.0011
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 20:32:13 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0013**	**.0005**	**-.0028**	**-.0004**	**.0008**
Stddev	.0000	.0002	.0005	.0000	.0006	.0005	.0001
%RSD	10.55	280.5	38.55	9.038	22.26	130.8	16.06
#1	.0000	.0002	.0010	.0005	-.0032	-.0007	.0008
#2	.0000	-.0001	.0017	.0006	-.0023	-.0000	.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58665.**	**8487.8**	**1988.2**	**4188.1**
Stddev	435.	45.0	4.2	6.9
%RSD	.74188	.53032	.21105	.16574
#1	58357.	8519.6	1991.1	4193.0
#2	58973.	8455.9	1985.2	4183.2

Zoom In Zoom Out

Sample Name: ICSA Acquired: 6/20/2014 20:38:25 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**-.0001**	**.0006**	**.0009**	**.0017**	**-.0060**	**.0001**	**-.0011**	**.0014**
Stddev	.0001	.0000	.0003	.0001	.0003	.0005	.0014	.0001	.0078
%RSD	7.841	5.349	50.69	12.35	16.21	8.506	1125.	4.904	573.9
#1	-.0009	-.0001	.0004	.0009	.0015	-.0056	.0011	-.0011	.0069
#2	-.0010	-.0001	.0008	.0008	.0018	-.0064	-.0008	-.0010	-.0042
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	**.0018**	**-.0002**	**.0023**	**-.0034**	**-.0027**	**-.0015**	**.0043**	**522.5**	**389.9**
Stddev	.0006	.0001	.0005	.0009	.0017	.0019	.0010	10.0	6.4
%RSD	34.58	44.40	23.89	27.61	62.64	124.6	22.29	1.910	1.645
#1	.0013	-.0001	.0027	-.0027	-.0015	-.0029	.0036	529.5	394.5
#2	.0022	-.0002	.0019	-.0040	-.0039	-.0002	.0049	515.4	385.4
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	**186.1**	**519.6**	**.1737**	**-.0009**	**.0004**	**-.0016**	**-.0002**	**-.0042**	**-.0030**
Stddev	3.4	8.1	.0161	.0002	.0002	.0000	.0037	.0002	.0014
%RSD	1.846	1.560	9.253	22.43	50.96	1.124	1767.	5.657	48.66
#1	188.5	525.3	.1850	-.0011	.0003	-.0016	.0024	-.0044	-.0019
#2	183.6	513.9	.1623	-.0008	.0006	-.0016	-.0028	-.0041	-.0040
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: 6/20/2014 20:38:25 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0049**	**.0006**	**.0070**	**.0010**	**-.0394**	**-.0127**	**.0059**
Stddev	.0000	.0001	.0010	.0006	.0054	.0002	.0001
%RSD	.3919	9.075	13.70	60.95	13.79	1.491	1.858
#1	-.0049	.0005	.0076	.0014	-.0432	-.0126	.0060
#2	-.0049	.0006	.0063	.0006	-.0355	-.0129	.0058
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	**49763.**	**7802.4**	**1665.6**	**3199.5**
Stddev	1627.	83.2	2.5	3.7
%RSD	3.2696	1.0662	.15169	.11545
#1	50914.	7743.5	1663.8	3196.9
#2	48613.	7861.2	1667.4	3202.1

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 20:44:32 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5090**	**.5006**	**1.013**	**.4860**	**.4951**	**.5251**	**.4992**	**.9911**	**1.010**
Stddev	.0002	.0013	.002	.0002	.0029	.0006	.0008	.0002	.001
%RSD	.0446	.2654	.1813	.0464	.5787	.1124	.1691	.0241	.0882
#1	.5089	.5016	1.012	.4858	.4930	.5247	.4998	.9913	1.010
#2	.5092	.4997	1.014	.4861	.4971	.5255	.4986	.9910	1.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5012**	**.9785**	**1.064**	**.9450**	**.9879**	**1.046**	**1.048**	**514.8**	**382.1**
Stddev	.0012	.0008	.000	.0034	.0026	.010	.002	1.1	1.7
%RSD	.2409	.0782	.0036	.3645	.2617	.9780	.2116	.2099	.4329
#1	.5020	.9780	1.064	.9425	.9860	1.053	1.046	515.5	383.3
#2	.5003	.9791	1.064	.9474	.9897	1.039	1.050	514.0	380.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.0**	**516.2**	**.1554**	**.0043**	**.0034**	**.4941**	**.5475**	**.0003**	**-.0017**
Stddev	.8	2.8	.0180	.0044	.0011	.0022	.0006	.0024	.0010
%RSD	.4278	.5379	11.59	100.5	32.45	.4406	.1187	735.6	61.40
#1	187.5	518.2	.1682	.0013	.0042	.4926	.5479	-.0013	-.0010
#2	186.4	514.2	.1427	.0074	.0026	.4957	.5470	.0020	-.0024
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 20:44:32 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0047**	**.0008**	**.5227**	**.5906**	**.4416**	**.5187**	**.5315**
Stddev	.0000	.0001	.0039	.0004	.0013	.0012	.0004
%RSD	.3251	13.54	.7487	.0722	.2956	.2376	.0763
#1	-.0047	.0007	.5199	.5909	.4407	.5178	.5318
#2	-.0047	.0008	.5255	.5903	.4425	.5196	.5312
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	**49380.**	**7823.4**	**1670.7**	**3221.0**
Stddev	60.	42.0	4.0	3.4
%RSD	.12225	.53731	.24139	.10640
#1	49337.	7793.7	1673.6	3223.4
#2	49422.	7853.1	1667.9	3218.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 20:50:30 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.926**	**1.945**	**1.987**	**2.017**	**2.105**	**1.964**	**2.072**	**2.081**	**.2419**
Stddev	.141	.140	.035	.028	.004	.010	.004	.030	.0001
%RSD	7.294	7.218	1.769	1.378	.1724	.4994	.2041	1.447	.0282
#1	1.827	1.846	1.962	1.998	2.108	1.971	2.075	2.060	.2419
#2	2.026	2.045	2.011	2.037	2.102	1.957	2.069	2.102	.2420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.043**	**2.084**	**1.943**	**2.080**	**2.114**	**1.951**	**1.990**	**38.87**	**39.24**
Stddev	.004	.033	.034	.033	.020	.034	.040	2.89	2.78
%RSD	.1893	1.573	1.752	1.566	.9400	1.758	1.985	7.430	7.088
#1	2.040	2.061	1.919	2.057	2.100	1.926	1.962	36.82	37.27
#2	2.046	2.107	1.967	2.103	2.128	1.975	2.018	40.91	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	**38.71**	**37.60**	**37.82**	**38.72**	**2.025**	**1.995**	**1.982**	**4.924**	**2.089**
Stddev	2.86	2.88	2.63	2.75	.041	.036	.008	.100	.037
%RSD	7.380	7.671	6.939	7.109	2.010	1.784	.3886	2.035	1.792
#1	36.69	35.56	35.96	36.77	1.996	1.969	1.987	4.853	2.063
#2	40.73	39.64	39.68	40.66	2.054	2.020	1.976	4.995	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: 6/20/2014 20:50:30 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.964**	**2.042**	F **1.788**	**2.039**	**1.934**	**1.940**	**1.845**
Stddev	.142	.006	.048	.002	.040	.035	.133
%RSD	7.228	.3200	2.676	.1046	2.042	1.802	7.209
#1	1.864	2.046	1.754	2.041	1.906	1.915	1.751
#2	2.065	2.037	1.822	2.038	1.962	1.965	1.939
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54743.**	**8566.6**	**1857.6**	**3707.9**
Stddev	72.	529.9	31.3	52.8
%RSD	.13186	6.1861	1.6835	1.4233
#1	54692.	8941.3	1879.7	3745.2
#2	54794.	8191.9	1835.5	3670.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 20:56:25 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0000**	**.0003**	**.0001**	**.0005**	**.0004**	**.0003**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0007	.0001	.0000	.0003
%RSD	14.18	89.08	38.16	20.22	141.6	21.74	12.79	421.1
#1	.0005	.0001	.0003	.0002	.0010	.0004	.0002	.0001
#2	.0006	.0000	.0002	.0001	-.0000	.0003	.0003	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**.0003**	**.0002**	**.0002**	**-.0004**	**-.0019**	**.0000**
Stddev	.0001	.0001	.0000	.0002	.0000	.0014	.0020	.0007
%RSD	106.2	295.2	7.650	71.38	28.74	344.4	108.7	7707.
#1	.0000	-.0001	.0003	.0004	.0002	-.0014	-.0004	-.0005
#2	.0002	.0000	.0003	.0001	.0001	.0006	-.0033	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0159**	**.0080**	**.0087**	**.0166**	**.0330**	**.0136**	**.0002**	**.0010**
Stddev	.0093	.0118	.0034	.0306	.0065	.0100	.0007	.0004
%RSD	58.51	147.9	39.32	184.3	19.59	73.15	320.6	42.80
#1	.0093	-.0004	.0063	-.0050	.0375	.0066	-.0003	.0013
#2	.0225	.0163	.0111	.0382	.0284	.0207	.0007	.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: 6/20/2014 20:56:25 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0000**	**.0003**	**.0002**	**.0003**	W **.0221**	W **.0018**	**-.0055**
Stddev	.0009	.0004	.0009	.0000	.0001	.0027	.0001	.0029
%RSD	278.8	4163.	258.2	11.83	20.49	12.01	7.169	52.31
#1	.0003	-.0003	.0010	.0002	.0002	.0240	.0017	-.0035
#2	-.0009	.0003	-.0003	.0002	.0003	.0203	.0019	-.0075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0008**	**.0006**
Stddev	.0012	.0000
%RSD	138.3	4.432
#1	.0000	.0006
#2	.0017	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59020.**	**8394.2**	**1970.0**	**4167.4**
Stddev	716.	118.8	15.1	17.4
%RSD	1.2136	1.4151	.76504	.41855
#1	59527.	8310.2	1959.3	4155.0
#2	58514.	8478.2	1980.6	4179.7

Zoom In Zoom Out

Sample Name: mp80167-b1 Acquired: 6/20/2014 21:02:36 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.643**	**.0951**	**.0949**	**.9096**	**.3933**	**.4496**	**.9599**	**.9432**	**.0962**
Stddev	.003	.0004	.0002	.0018	.0026	.0004	.0010	.0003	.0012
%RSD	.0696	.4615	.2539	.1976	.6710	.0958	.1039	.0290	1.236
#1	3.645	.0954	.0948	.9109	.3915	.4493	.9592	.9430	.0970
#2	3.641	.0948	.0951	.9083	.3952	.4499	.9606	.9434	.0953

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9378**	**.9653**	**3.655**	**3.851**	**.9815**	**3.606**	**.9052**	**49.30**	**12.00**
Stddev	.0006	.0003	.001	.001	.0003	.009	.0027	.08	.03
%RSD	.0647	.0309	.0234	.0313	.0303	.2568	.3010	.1702	.2776
#1	.9382	.9655	3.655	3.851	.9813	3.599	.9033	49.36	12.03
#2	.9373	.9651	3.656	3.852	.9817	3.612	.9072	49.24	11.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.50**	**11.81**	**11.76**	**11.88**	**.9090**	**.8998**	**.6872**	**.9564**	**.9573**
Stddev	.14	.07	.01	.03	.0015	.0004	.0013	.0023	.0012
%RSD	.2836	.5940	.0547	.2267	.1662	.0463	.1878	.2418	.1252
#1	48.60	11.86	11.76	11.90	.9079	.9001	.6863	.9548	.9564
#2	48.41	11.76	11.76	11.86	.9101	.8995	.6881	.9581	.9581

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9375**	**.9640**	**.0480**	**.0018**	**-.0032**	**.0008**	**.0006**
Stddev	.0006	.0019	.0010	.0001	.0009	.0009	.0001
%RSD	.0595	.2011	2.113	3.867	28.25	109.4	22.35
#1	.9379	.9626	.0488	.0019	-.0039	.0002	.0005
#2	.9371	.9654	.0473	.0018	-.0026	.0014	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56429.**	**8410.1**	**1900.0**	**3875.4**
Stddev	32.	10.4	3.4	4.0
%RSD	.05619	.12426	.18057	.10261
#1	56452.	8402.7	1902.4	3878.2
#2	56407.	8417.4	1897.5	3872.6

Zoom In Zoom Out

Sample Name: mp80167-s1 Acquired: 6/20/2014 21:08:29 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.476**	**.1005**	**.0943**	**.9995**	**.6066**	**.5372**	**6.768**	**1.187**	**.0912**
Stddev	.027	.0006	.0006	.0063	.0033	.0037	.047	.007	.0006
%RSD	.6010	.6361	.6533	.6265	.5483	.6846	.6976	.5608	.6072
#1	4.495	.1009	.0939	.9951	.6089	.5398	6.801	1.182	.0916
#2	4.457	.1000	.0947	1.004	.6042	.5346	6.734	1.192	.0909

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.178**	**1.559**	**3.562**	**3.561**	**1.148**	**3.461**	**.4722**	**213.7**	**40.61**
Stddev	.008	.010	.028	.026	.005	.028	.0049	1.8	.39
%RSD	.6429	.6312	.7780	.7201	.4718	.8012	1.039	.8403	.9692
#1	1.183	1.552	3.543	3.543	1.144	3.441	.4688	215.0	40.89
#2	1.172	1.566	3.582	3.580	1.152	3.481	.4757	212.4	40.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**297.9**	**65.53**	**32.03**	**12.49**	**.8576**	**.8306**	**.4527**	**5.202**	**.8198**
Stddev	2.6	.80	.23	.09	.0070	.0045	.0024	.042	.0037
%RSD	.8805	1.224	.7178	.7508	.8179	.5445	.5251	.8086	.4525
#1	299.8	66.09	32.19	12.55	.8526	.8274	.4510	5.172	.8172
#2	296.1	64.96	31.87	12.42	.8625	.8338	.4544	5.231	.8225

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.005**	**2.444**	**.0457**	**.1006**	**.6047**	**-.0021**	**.2888**
Stddev	.007	.015	.0003	.0008	.0123	.0001	.0016
%RSD	.7112	.6254	.7515	.8388	2.031	6.192	.5657
#1	1.010	2.454	.0460	.1012	.5960	-.0020	.2900
#2	.9995	2.433	.0455	.1000	.6134	-.0021	.2877

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55156.**	**8564.9**	**1856.3**	**3625.3**
Stddev	203.	74.2	12.5	24.4
%RSD	.36756	.86605	.67404	.67286
#1	55013.	8512.5	1865.2	3642.5
#2	55300.	8617.4	1847.5	3608.0

Zoom In Zoom Out

Sample Name: mp80167-s2 Acquired: 6/20/2014 21:14:23 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.444**	**.0993**	**.0936**	**.9870**	**.5836**	**.5279**	**6.385**	**1.161**	**.0925**
Stddev	.001	.0001	.0004	.0017	.0025	.0015	.013	.000	.0008
%RSD	.0311	.1115	.3853	.1761	.4346	.2839	.2056	.0360	.8677
#1	4.445	.0994	.0939	.9883	.5854	.5289	6.394	1.161	.0930
#2	4.443	.0992	.0934	.9858	.5818	.5268	6.375	1.161	.0919

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.141**	**1.495**	**3.562**	**3.566**	**1.133**	**3.470**	**.4640**	**197.3**	**47.57**
Stddev	.001	.000	.014	.003	.002	.007	.0006	.1	.01
%RSD	.0481	.0239	.3890	.0770	.1400	.2126	.1205	.0520	.0168
#1	1.142	1.494	3.552	3.568	1.131	3.465	.4636	197.4	47.58
#2	1.141	1.495	3.572	3.564	1.134	3.475	.4644	197.2	47.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**274.4**	**61.03**	**30.62**	**12.43**	**.8648**	**.8291**	**.4625**	**5.075**	**.8203**
Stddev	.0	.17	.07	.03	.0001	.0009	.0006	.010	.0004
%RSD	.0057	.2771	.2342	.2041	.0135	.1035	.1403	.1933	.0522
#1	274.4	61.15	30.67	12.45	.8649	.8285	.4621	5.068	.8200
#2	274.3	60.92	30.56	12.41	.8648	.8297	.4630	5.082	.8206

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.007**	**2.293**	**.0422**	**.1030**	**.6175**	**-.0022**	**.2654**
Stddev	.001	.004	.0005	.0001	.0008	.0008	.0007
%RSD	.0863	.1769	1.145	.1292	.1330	38.20	.2479
#1	1.007	2.296	.0419	.1031	.6169	-.0016	.2658
#2	1.006	2.290	.0426	.1029	.6180	-.0027	.2649

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56035.**	**8726.0**	**1869.1**	**3653.5**
Stddev	151.	2.5	2.6	2.8
%RSD	.26870	.02912	.14074	.07650
#1	55929.	8724.2	1871.0	3655.4
#2	56142.	8727.8	1867.2	3651.5

Zoom In Zoom Out

Sample Name: jb69184-1 Acquired: 6/20/2014 21:20:17 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (167)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.175**	**.0096**	**.0013**	**.1233**	**.2272**	**.0952**	**7.045**	**.2696**	**-.0007**
Stddev	.006	.0000	.0001	.0002	.0008	.0000	.007	.0005	.0009
%RSD	.5039	.2119	8.374	.1893	.3508	.0372	.0939	.1877	126.3
#1	1.179	.0096	.0012	.1234	.2267	.0952	7.050	.2692	-.0001
#2	1.171	.0096	.0014	.1231	.2278	.0952	7.040	.2699	-.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2963**	**.6418**	**.0306**	**.0022**	**.2358**	**-.0024**	**.0031**	**134.6**	**46.20**
Stddev	.0003	.0013	.0007	.0003	.0003	.0012	.0001	.5	.13
%RSD	.1100	.2005	2.175	11.14	.1112	50.37	3.561	.3482	.2730
#1	.2965	.6427	.0301	.0021	.2360	-.0015	.0030	134.9	46.29
#2	.2961	.6409	.0310	.0024	.2356	-.0033	.0032	134.2	46.11

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**266.7**	**49.87**	**15.40**	**.9059**	**.0634**	**.0060**	**.0065**	**3.698**	**.0297**
Stddev	.7	.12	.05	.0012	.0002	.0000	.0000	.010	.0001
%RSD	.2724	.2392	.3493	.1326	.2753	.4062	.3242	.2618	.2829
#1	267.2	49.79	15.44	.9068	.0635	.0060	.0066	3.705	.0297
#2	266.2	49.95	15.36	.9051	.0633	.0059	.0065	3.691	.0296

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1139**	**1.663**	**.0113**	**.0820**	**.6096**	**-.0019**	**.2677**
Stddev	.0008	.003	.0006	.0004	.0036	.0002	.0030
%RSD	.7080	.2021	5.737	.4276	.5882	8.634	1.119
#1	.1145	1.661	.0117	.0818	.6071	-.0020	.2699
#2	.1134	1.666	.0108	.0823	.6121	-.0018	.2656

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57389.**	**8906.4**	**1906.7**	**3751.3**
Stddev	88.	7.9	1.4	.5
%RSD	.15328	.08910	.07280	.01235
#1	57326.	8900.8	1905.7	3751.0
#2	57451.	8912.0	1907.7	3751.7

Zoom In Zoom Out

Sample Name: mp80167-sd1 Acquired: 6/20/2014 21:26:19 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 184-1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.270**	**.0101**	**.0019**	**.1298**	**.2475**	**.1026**	**7.956**	**.2858**	**.0136**
Stddev	.012	.0003	.0010	.0005	.0008	.0025	.002	.0010	.0013
%RSD	.9756	3.385	54.17	.4049	.3201	2.434	.0232	.3436	9.618
#1	1.279	.0099	.0027	.1302	.2469	.1043	7.957	.2851	.0127
#2	1.261	.0104	.0012	.1294	.2481	.1008	7.955	.2865	.0146

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3147**	**.7171**	**.0355**	**.0071**	**.2583**	**.0051**	**.0071**	**143.6**	**51.58**
Stddev	.0031	.0026	.0019	.0010	.0006	.0018	.0032	1.0	.31
%RSD	.9709	.3671	5.409	13.60	.2348	36.40	44.71	.6916	.6004
#1	.3168	.7153	.0369	.0078	.2579	.0064	.0094	144.3	51.80
#2	.3125	.7190	.0341	.0064	.2588	.0038	.0049	142.9	51.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**306.8**	**54.11**	**16.43**	**.9857**	**.0656**	**.0057**	**.0123**	**3.907**	**.0337**
Stddev	2.4	.04	.17	.0077	.0042	.0003	.0032	.005	.0007
%RSD	.7953	.0665	1.064	.7793	6.338	6.086	26.16	.1344	2.204
#1	308.5	54.13	16.55	.9803	.0685	.0055	.0145	3.910	.0332
#2	305.1	54.08	16.31	.9911	.0626	.0060	.0100	3.903	.0343

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1237**	**1.798**	**.0099**	**.0867**	**.6558**	**-.0032**	**.2887**
Stddev	.0009	.005	.0043	.0005	.0250	.0007	.0036
%RSD	.7483	.2576	43.25	.5787	3.816	22.00	1.261
#1	.1243	1.801	.0129	.0871	.6381	-.0027	.2912
#2	.1230	1.795	.0069	.0864	.6735	-.0037	.2861

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57316.**	**8481.0**	**1906.2**	**3916.8**
Stddev	48.	20.6	3.4	5.8
%RSD	.08333	.24248	.17584	.14872
#1	57282.	8466.4	1908.6	3920.9
#2	57349.	8495.5	1903.9	3912.6

Zoom In Zoom Out

Sample Name: jb69184-2 Acquired: 6/20/2014 21:32:25 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.126**	**.0093**	**.0012**	**.1374**	**.2096**	**.0736**	**7.198**	**.2762**	**.0009**
Stddev	.002	.0000	.0001	.0005	.0016	.0002	.008	.0003	.0004
%RSD	.2122	.5066	6.097	.3978	.7411	.2887	.1085	.0994	40.35
#1	1.125	.0093	.0011	.1370	.2107	.0737	7.192	.2760	.0007
#2	1.128	.0093	.0012	.1378	.2085	.0734	7.203	.2764	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2496**	**.6189**	**.0199**	**.0006**	**.1720**	**-.0030**	**.0015**	**114.2**	**16.21**
Stddev	.0013	.0004	.0001	.0007	.0019	.0045	.0011	.2	.00
%RSD	.5085	.0651	.4133	123.0	1.126	150.5	76.47	.1971	.0185
#1	.2487	.6186	.0200	.0001	.1734	-.0062	.0023	114.4	16.21
#2	.2505	.6192	.0198	.0011	.1706	.0002	.0007	114.1	16.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**262.5**	**46.13**	**13.99**	**.7712**	**.0555**	**.0044**	**.0065**	**4.130**	**.0273**
Stddev	.0	.03	.02	.0059	.0005	.0002	.0002	.005	.0007
%RSD	.0069	.0686	.1443	.7595	.8814	3.398	3.653	.1240	2.485
#1	262.4	46.15	13.98	.7671	.0551	.0045	.0066	4.126	.0278
#2	262.5	46.11	14.01	.7754	.0558	.0043	.0063	4.133	.0269

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0846**	**1.354**	**.0108**	**.0749**	**.4336**	**-.0021**	**.2437**
Stddev	.0003	.003	.0008	.0000	.0038	.0016	.0009
%RSD	.3560	.2144	7.743	.0116	.8785	77.60	.3743
#1	.0844	1.352	.0102	.0749	.4309	-.0009	.2443
#2	.0848	1.356	.0114	.0749	.4363	-.0033	.2430

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57310.**	**8890.3**	**1892.6**	**3706.7**
Stddev	84.	4.9	3.4	.3
%RSD	.14688	.05473	.18132	.00926
#1	57370.	8886.9	1895.0	3706.9
#2	57251.	8893.8	1890.2	3706.4

Zoom In Zoom Out

Sample Name: JB69184-3 Acquired: 6/20/2014 21:38:27 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.149**	**.0091**	**.0020**	**.1291**	**.2354**	**.0964**	**6.500**	**.2992**	**.0007**
Stddev	.001	.0001	.0000	.0013	.0026	.0010	.062	.0015	.0004
%RSD	.1049	.8032	.8739	1.036	1.120	1.050	.9540	.5131	49.36
#1	1.149	.0092	.0021	.1282	.2372	.0971	6.544	.2981	.0005
#2	1.148	.0091	.0020	.1300	.2335	.0957	6.456	.3003	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2156**	**.6413**	**.0237**	**-.0042**	**.1674**	**-.0042**	**.0014**	**115.6**	**487.2**
Stddev	.0012	.0049	.0012	.0009	.0022	.0038	.0005	.1	.9
%RSD	.5694	.7696	4.989	22.54	1.326	89.23	34.78	.0879	.1807
#1	.2164	.6378	.0245	-.0035	.1658	-.0016	.0010	115.7	487.9
#2	.2147	.6448	.0229	-.0048	.1690	-.0069	.0017	115.5	486.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**241.5**	**60.98**	**16.04**	**1.234**	**.0680**	**.0021**	**.0015**	**3.462**	**.0249**
Stddev	.7	.00	.03	.008	.0003	.0001	.0014	.014	.0011
%RSD	.2901	.0031	.1915	.6693	.4109	3.719	93.18	.3957	4.262
#1	242.0	60.98	16.07	1.240	.0682	.0021	.0025	3.452	.0257
#2	241.0	60.98	16.02	1.228	.0678	.0020	.0005	3.472	.0242

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2538**	**1.251**	**.0079**	**.0999**	**.2871**	**-.0056**	**.3042**
Stddev	.0001	.012	.0002	.0008	.0059	.0006	.0003
%RSD	.0240	.9273	2.302	.8440	2.047	11.22	.0849
#1	.2539	1.260	.0081	.1005	.2829	-.0052	.3040
#2	.2538	1.243	.0078	.0993	.2912	-.0061	.3044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54639.**	**8742.1**	**1790.4**	**3338.6**
Stddev	416.	20.8	3.8	7.6
%RSD	.76207	.23752	.21475	.22670
#1	54345.	8727.5	1793.1	3343.9
#2	54933.	8756.8	1787.7	3333.2

Zoom In Zoom Out

Sample Name: JB69184-4 Acquired: 6/20/2014 21:44:28 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9725**	**.0084**	**.0009**	**.1122**	**15.21**	**.8349**	**3.845**	**.3036**	**.0028**
Stddev	.0050	.0000	.0005	.0005	.02	.0014	.003	.0013	.0007
%RSD	.5132	.5271	53.11	.4757	.1352	.1633	.0886	.4287	26.04
#1	.9761	.0084	.0012	.1126	15.19	.8339	3.842	.3046	.0033
#2	.9690	.0084	.0006	.1118	15.22	.8359	3.847	.3027	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2684**	**.6590**	**-.0243**	**-.0515**	**.1271**	**-.0783**	**.0048**	**154.5**	**93.57**
Stddev	.0006	.0009	.0000	.0010	.0023	.0012	.0012	.7	.43
%RSD	.2160	.1298	.1404	2.036	1.772	1.578	24.49	.4839	.4560
#1	.2679	.6596	-.0243	-.0508	.1287	-.0774	.0057	155.0	93.87
#2	.2688	.6584	-.0244	-.0523	.1255	-.0791	.0040	153.9	93.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**230.1**	**52.03**	**22.62**	**1.227**	**.1045**	**.0043**	**-.0375**	**4.201**	**.0287**
Stddev	.9	.34	.06	.009	.0014	.0003	.0008	.014	.0010
%RSD	.3712	.6475	.2679	.7431	1.310	6.141	2.221	.3339	3.332
#1	230.8	52.26	22.67	1.234	.1036	.0041	-.0369	4.211	.0280
#2	229.5	51.79	22.58	1.221	.1055	.0045	-.0381	4.191	.0294

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1905**	**1.438**	**2.352**	**4.036**	**.8221**	**-.0013**	**.2686**
Stddev	.0010	.003	.006	.009	.0004	.0006	.0012
%RSD	.5292	.2279	.2519	.2201	.0546	47.24	.4391
#1	.1912	1.435	2.356	4.029	.8218	-.0017	.2694
#2	.1898	1.440	2.348	4.042	.8224	-.0008	.2678

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54986.**	**8648.9**	**1761.6**	**3548.9**
Stddev	133.	2.6	7.8	14.6
%RSD	.24261	.02998	.44500	.41263
#1	55081.	8647.1	1756.1	3538.6
#2	54892.	8650.7	1767.2	3559.3

Zoom In Zoom Out

Sample Name: jb69184-5 Acquired: 6/20/2014 21:50:27 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.118**	**.0080**	**.0009**	**.1138**	**.1931**	**.0699**	**4.867**	**.2659**	**.0005**
Stddev	.070	.0006	.0001	.0033	.0084	.0027	.201	.0067	.0034
%RSD	6.279	6.976	12.12	2.858	4.357	3.844	4.130	2.519	743.6
#1	1.068	.0076	.0009	.1115	.1872	.0680	4.725	.2611	-.0019
#2	1.167	.0084	.0010	.1161	.1990	.0718	5.009	.2706	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2518**	**.5975**	**.0221**	**-.0031**	**.1655**	**-.0025**	**.0002**	**111.8**	**85.11**
Stddev	.0111	.0156	.0013	.0014	.0035	.0002	.0007	7.3	5.38
%RSD	4.421	2.609	5.834	45.44	2.113	7.008	310.6	6.525	6.326
#1	.2439	.5864	.0212	-.0041	.1631	-.0026	.0008	106.7	81.30
#2	.2597	.6085	.0230	-.0021	.1680	-.0023	-.0003	117.0	88.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**237.4**	**47.67**	**13.64**	**.8343**	**.0647**	**.0044**	**.0065**	**3.919**	**.0258**
Stddev	15.1	3.06	.83	.0439	.0001	.0000	.0003	.099	.0004
%RSD	6.342	6.416	6.091	5.263	.1023	.4584	4.286	2.521	1.398
#1	226.8	45.51	13.06	.8033	.0646	.0044	.0067	3.849	.0260
#2	248.1	49.83	14.23	.8653	.0647	.0045	.0063	3.989	.0255

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1540**	**1.313**	**.0106**	**.0892**	**.2684**	**-.0028**	**.2612**
Stddev	.0096	.055	.0005	.0036	.0093	.0005	.0167
%RSD	6.218	4.182	4.459	4.063	3.477	18.09	6.407
#1	.1472	1.274	.0109	.0867	.2618	-.0024	.2494
#2	.1607	1.352	.0102	.0918	.2750	-.0031	.2731

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56131.**	**8842.4**	**1788.8**	**3559.0**
Stddev	1859.	483.4	37.8	72.6
%RSD	3.3117	5.4674	2.1138	2.0394
#1	57446.	9184.3	1815.6	3610.3
#2	54817.	8500.6	1762.1	3507.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 21:56:29 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**1.956**	**2.038**	**2.041**	**2.058**	**1.964**	**2.080**	**2.080**	**.2432**
Stddev	.039	.032	.033	.030	.000	.006	.002	.030	.0004
%RSD	1.969	1.617	1.619	1.460	.0042	.3170	.1074	1.455	.1822
#1	1.971	1.934	2.014	2.020	2.058	1.969	2.081	2.058	.2428
#2	2.027	1.978	2.061	2.062	2.058	1.960	2.078	2.101	.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	**2.010**	**2.093**	**2.026**	**2.118**	**2.091**	**2.032**	**2.032**	**38.92**	**39.33**
Stddev	.001	.030	.036	.031	.028	.033	.041	.65	.60
%RSD	.0515	1.452	1.772	1.481	1.331	1.631	2.025	1.674	1.529
#1	2.011	2.072	2.000	2.096	2.071	2.008	2.003	38.46	38.91
#2	2.009	2.115	2.051	2.140	2.111	2.055	2.061	39.38	39.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.71**	**38.31**	**38.51**	**39.15**	**2.077**	**2.068**	**1.993**	**5.119**	**2.100**
Stddev	.64	.55	.69	.72	.033	.035	.011	.092	.032
%RSD	1.660	1.434	1.781	1.831	1.574	1.678	.5345	1.807	1.541
#1	38.25	37.93	38.03	38.64	2.054	2.044	2.001	5.053	2.077
#2	39.16	38.70	39.00	39.66	2.100	2.093	1.986	5.184	2.122
Check ?	Chk Pass	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: 6/20/2014 21:56:29 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.047**	**1.856**	**1.993**	**1.994**	**2.027**	**1.919**
Stddev	.040	.004	.045	.004	.027	.035	.037
%RSD	2.023	.1901	2.438	.1976	1.333	1.712	1.937
#1	1.967	2.049	1.824	1.995	1.976	2.003	1.893
#2	2.024	2.044	1.888	1.990	2.013	2.052	1.945
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	**54529.**	**8620.1**	**1770.8**	**3581.6**
Stddev	15.	131.5	27.8	48.4
%RSD	.02676	1.5254	1.5724	1.3519
#1	54519.	8713.0	1790.5	3615.8
#2	54539.	8527.1	1751.1	3547.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 22:02:24 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0002**	**.0003**	**.0004**	**.0006**	**.0003**	**-.0002**
Stddev	.0001	.0000	.0000	.0002	.0001	.0001	.0000	.0003
%RSD	18.15	19.31	.4160	52.49	15.33	21.48	15.50	170.1
#1	.0003	.0001	.0002	.0002	.0004	.0005	.0002	-.0004
#2	.0003	.0001	.0002	.0004	.0003	.0007	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0002**	**.0009**	**-.0002**	**-.0002**	**-.0006**	**.0005**
Stddev	.0001	.0004	.0000	.0012	.0004	.0004	.0009	.0004
%RSD	223.9	985.7	5.348	139.9	199.8	178.6	134.8	90.72
#1	.0000	.0002	.0002	.0017	.0001	.0001	-.0000	.0002
#2	-.0001	-.0003	.0002	.0000	-.0004	-.0005	-.0012	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0133**	**-.0021**	**.0052**	**-.0326**	**.0489**	**.0140**	**.0005**	**.0012**
Stddev	.0072	.0062	.0014	.0035	.0081	.0001	.0000	.0000
%RSD	53.71	300.1	26.90	10.72	16.55	.6245	2.273	.1813
#1	.0083	-.0064	.0042	-.0351	.0546	.0141	.0005	.0012
#2	.0184	.0023	.0062	-.0302	.0431	.0140	.0005	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 22:02:24 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0017**	**.0013**	**.0001**	**.0004**	W **.0261**	W **.0019**	**-.0022**
Stddev	.0001	.0002	.0003	.0001	.0003	.0027	.0000	.0001
%RSD	30.10	9.962	20.14	44.65	88.17	10.29	2.539	6.214
#1	-.0004	.0019	.0015	.0001	.0006	.0280	.0019	-.0023
#2	-.0006	.0016	.0011	.0002	.0001	.0242	.0018	-.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**-.0002**
Stddev	.0008	.0005
%RSD	490.3	231.5
#1	-.0008	.0001
#2	.0004	-.0005
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58097.**	**8633.5**	**1864.2**	**4006.6**
Stddev	145.	22.0	15.5	29.5
%RSD	.24900	.25537	.82890	.73559
#1	57995.	8617.9	1875.1	4027.5
#2	58200.	8649.1	1853.3	3985.8

Zoom In Zoom Out

Sample Name: jb69184-6 Acquired: 6/20/2014 22:08:35 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.395**	**.0082**	**.0016**	**.1061**	**.2476**	**.1022**	**11.44**	**.2279**	**.0055**
Stddev	.004	.0001	.0002	.0003	.0026	.0011	.11	.0012	.0004
%RSD	.1612	1.052	10.23	.2625	1.049	1.081	.9424	.5138	6.548
#1	2.393	.0081	.0015	.1063	.2458	.1014	11.52	.2270	.0052
#2	2.398	.0082	.0017	.1059	.2494	.1030	11.37	.2287	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2614**	**.4878**	**.0196**	**-.0014**	**.1578**	**.0024**	**-.0019**	**126.4**	**20.24**
Stddev	.0006	.0001	.0011	.0000	.0014	.0017	.0010	.1	.01
%RSD	.2217	.0146	5.770	2.953	.8758	70.01	53.46	.1142	.0392
#1	.2610	.4877	.0204	-.0014	.1569	.0036	-.0027	126.3	20.24
#2	.2618	.4878	.0188	-.0014	.1588	.0012	-.0012	126.5	20.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**220.0**	**37.33**	**13.94**	**.8175**	**.0565**	**.0038**	**.0017**	**3.840**	**.0319**
Stddev	.1	.13	.04	.0038	.0006	.0001	.0008	.002	.0009
%RSD	.0552	.3458	.2786	.4707	.9950	3.878	48.58	.0588	2.677
#1	219.9	37.43	13.91	.8148	.0561	.0039	.0023	3.838	.0325
#2	220.1	37.24	13.97	.8202	.0569	.0037	.0011	3.841	.0313

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1011**	**2.177**	**.0205**	**.0831**	**.4262**	**-.0027**	**.1996**
Stddev	.0003	.003	.0001	.0002	.0043	.0003	.0002
%RSD	.2493	.1326	.4105	.2157	1.019	9.357	.1084
#1	.1010	2.179	.0206	.0832	.4292	-.0029	.1997
#2	.1013	2.175	.0205	.0830	.4231	-.0025	.1994

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56119.**	**8884.8**	**1806.5**	**3622.9**
Stddev	70.	4.2	2.3	6.0
%RSD	.12555	.04717	.12600	.16550
#1	56168.	8881.8	1804.9	3618.7
#2	56069.	8887.8	1808.1	3627.2

Zoom In Zoom Out

Sample Name: jb69184-7 Acquired: 6/20/2014 22:14:41 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9204**	**.0097**	**.0013**	**.1284**	**.2229**	**.0888**	**5.390**	**.3088**	**-.0018**
Stddev	.0014	.0000	.0000	.0008	.0014	.0004	.043	.0009	.0022
%RSD	.1526	.0038	.2585	.6126	.6104	.4402	.7997	.2932	125.5
#1	.9214	.0097	.0013	.1290	.2219	.0891	5.359	.3094	-.0002
#2	.9194	.0097	.0013	.1278	.2239	.0886	5.420	.3081	-.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2434**	**.8253**	**.0291**	**-.0027**	**.1902**	**-.0015**	**.0020**	**122.5**	**37.90**
Stddev	.0020	.0000	.0009	.0008	.0009	.0005	.0004	.5	.08
%RSD	.8338	.0057	3.225	31.22	.4575	35.56	19.87	.4197	.1997
#1	.2420	.8253	.0297	-.0021	.1908	-.0019	.0018	122.9	37.95
#2	.2449	.8252	.0284	-.0033	.1896	-.0011	.0023	122.1	37.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**246.4**	**55.41**	**17.10**	**1.067**	**.0751**	**.0042**	**.0031**	**3.245**	**.0341**
Stddev	.5	.08	.03	.001	.0005	.0002	.0010	.012	.0001
%RSD	.2133	.1502	.1895	.0563	.6103	5.208	31.54	.3813	.2517
#1	246.7	55.35	17.13	1.068	.0748	.0041	.0024	3.254	.0340
#2	246.0	55.47	17.08	1.067	.0754	.0044	.0038	3.237	.0341

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1171**	**1.525**	**.0164**	**.0911**	**.3022**	**-.0023**	**.3017**
Stddev	.0005	.010	.0005	.0009	.0050	.0000	.0002
%RSD	.4668	.6447	2.993	1.022	1.642	1.775	.0593
#1	.1175	1.518	.0161	.0904	.3057	-.0022	.3018
#2	.1167	1.532	.0168	.0917	.2987	-.0023	.3015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57367.**	**9205.8**	**1824.7**	**3577.4**
Stddev	303.	14.2	3.2	5.3
%RSD	.52782	.15382	.17364	.14768
#1	57581.	9195.8	1822.4	3573.7
#2	57152.	9215.8	1826.9	3581.2

Zoom In Zoom Out

Sample Name: jb69184-8 Acquired: 6/20/2014 22:20:41 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.221**	**.0092**	**.0012**	**.1208**	**.2139**	**.0916**	**4.435**	**.2657**	**.0013**
Stddev	.000	.0000	.0000	.0005	.0016	.0004	.002	.0006	.0009
%RSD	.0049	.3981	3.335	.4016	.7630	.4626	.0498	.2403	68.09
#1	1.221	.0092	.0011	.1204	.2127	.0919	4.436	.2652	.0019
#2	1.221	.0092	.0012	.1211	.2150	.0913	4.433	.2661	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2620**	**.6764**	**.0213**	**-.0017**	**.1970**	**-.0008**	**.0003**	**129.6**	**38.51**
Stddev	.0009	.0023	.0030	.0023	.0024	.0002	.0012	.1	.13
%RSD	.3488	.3445	13.93	137.6	1.208	27.84	358.1	.1095	.3282
#1	.2614	.6748	.0192	-.0000	.1987	-.0006	-.0005	129.7	38.60
#2	.2627	.6780	.0234	-.0033	.1954	-.0009	.0011	129.5	38.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**225.8**	**48.75**	**17.53**	**1.014**	**.0723**	**.0054**	**.0054**	**3.890**	**.0302**
Stddev	.8	.45	.03	.006	.0004	.0002	.0014	.023	.0006
%RSD	.3526	.9258	.1979	.6125	.5346	3.518	25.01	.5985	1.932
#1	226.4	49.06	17.56	1.019	.0721	.0052	.0045	3.874	.0306
#2	225.2	48.43	17.51	1.010	.0726	.0055	.0064	3.907	.0298

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0923**	**1.515**	**.0128**	**.0777**	**1.066**	**-.0045**	**.2587**
Stddev	.0002	.002	.0001	.0000	.007	.0010	.0004
%RSD	.1761	.1284	.3997	.0484	.6792	21.62	.1620
#1	.0924	1.513	.0128	.0776	1.061	-.0038	.2590
#2	.0921	1.516	.0128	.0777	1.072	-.0052	.2584

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56093.**	**8954.9**	**1783.1**	**3574.4**
Stddev	109.	31.9	8.1	14.7
%RSD	.19392	.35663	.45505	.41053
#1	56170.	8932.4	1788.9	3584.8
#2	56016.	8977.5	1777.4	3564.0

Zoom In Zoom Out

Sample Name: jb69184-9 Acquired: 6/20/2014 22:26:42 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.507**	**.0106**	**.0061**	**.1545**	**.3313**	**.4663**	**10.48**	**.3567**	**.0011**
Stddev	.003	.0000	.0001	.0003	.0038	.0034	.02	.0005	.0019
%RSD	.1723	.2860	1.857	.1758	1.140	.7216	.1783	.1370	178.7
#1	1.509	.0106	.0062	.1543	.3286	.4639	10.47	.3563	.0025
#2	1.505	.0106	.0061	.1547	.3339	.4687	10.50	.3570	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2600**	**1.149**	**.0263**	**-.0049**	**1.100**	**-.0026**	**.0322**	**143.6**	**98.80**
Stddev	.0024	.003	.0011	.0009	.004	.0016	.0021	.2	.11
%RSD	.9103	.2737	4.258	18.15	.3305	62.59	6.630	.1398	.1124
#1	.2583	1.147	.0255	-.0042	1.097	-.0037	.0307	143.8	98.88
#2	.2616	1.152	.0271	-.0055	1.102	-.0014	.0337	143.5	98.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**282.4**	**66.89**	**20.44**	**1.397**	**.0964**	**.0135**	**.0038**	**4.680**	**.0587**
Stddev	.1	.31	.09	.003	.0001	.0000	.0007	.013	.0012
%RSD	.0483	.4653	.4171	.2453	.1390	.1614	19.47	.2776	2.036
#1	282.5	67.11	20.50	1.400	.0963	.0135	.0033	4.671	.0578
#2	282.3	66.67	20.38	1.395	.0965	.0135	.0043	4.689	.0595

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2019**	**1.619**	**.0160**	**.0897**	**.9934**	**-.0027**	**.3675**
Stddev	.0004	.018	.0009	.0006	.0020	.0009	.0006
%RSD	.1751	1.091	5.845	.6738	.1987	33.79	.1585
#1	.2021	1.607	.0154	.0892	.9920	-.0033	.3679
#2	.2016	1.632	.0167	.0901	.9948	-.0021	.3671

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57144.**	**9215.1**	**1764.0**	**3465.1**
Stddev	419.	7.0	3.3	2.2
%RSD	.73379	.07608	.18514	.06446
#1	57441.	9210.2	1766.3	3466.7
#2	56848.	9220.1	1761.7	3463.5

Zoom In Zoom Out

Sample Name: jb69184-10 Acquired: 6/20/2014 22:32:49 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.358**	**.0107**	**.0012**	**.1333**	**.2090**	**.0699**	**4.947**	**.3218**	**.0002**
Stddev	.025	.0001	.0001	.0011	.0031	.0007	.063	.0018	.0003
%RSD	1.817	1.114	8.160	.8223	1.493	1.065	1.272	.5575	144.8
#1	1.340	.0106	.0013	.1326	.2068	.0694	4.903	.3205	.0004
#2	1.375	.0108	.0012	.1341	.2113	.0705	4.992	.3230	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2547**	**.6406**	**.0213**	**-.0037**	**.1714**	**-.0046**	**-.0006**	**116.7**	**14.37**
Stddev	.0031	.0031	.0001	.0001	.0011	.0030	.0016	2.2	.22
%RSD	1.235	.4798	.5872	2.010	.6406	64.91	267.5	1.898	1.532
#1	.2525	.6384	.0212	-.0038	.1707	-.0067	.0005	115.2	14.21
#2	.2569	.6427	.0214	-.0037	.1722	-.0025	-.0017	118.3	14.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**241.7**	**52.30**	**16.15**	**.9507**	**.0721**	**.0031**	**.0063**	**5.044**	**.0348**
Stddev	3.9	.85	.26	.0127	.0000	.0002	.0013	.034	.0000
%RSD	1.631	1.619	1.605	1.339	.0518	6.740	19.99	.6638	.0858
#1	238.9	51.70	15.96	.9417	.0721	.0030	.0054	5.021	.0347
#2	244.5	52.90	16.33	.9597	.0721	.0033	.0072	5.068	.0348

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0984**	**1.703**	**.0117**	**.0871**	**.9056**	**-.0032**	**.2922**
Stddev	.0017	.021	.0014	.0008	.0103	.0007	.0059
%RSD	1.751	1.205	11.71	.9078	1.136	20.60	2.009
#1	.0972	1.689	.0107	.0866	.8983	-.0027	.2880
#2	.0996	1.718	.0126	.0877	.9129	-.0037	.2963

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58654.**	**9364.3**	**1819.9**	**3573.0**
Stddev	643.	103.2	8.1	11.4
%RSD	1.0955	1.1016	.44474	.31999
#1	59109.	9437.2	1825.6	3581.0
#2	58200.	9291.3	1814.2	3564.9

Zoom In Zoom Out

Sample Name: jb69184-11 Acquired: 6/20/2014 22:38:50 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9387**	**.0097**	**.0008**	**.1435**	**.2244**	**.0695**	**4.407**	**.3067**	**-.0032**
Stddev	.0000	.0001	.0000	.0008	.0012	.0010	.020	.0022	.0000
%RSD	.0031	.6383	2.371	.5366	.5209	1.436	.4551	.7248	.0986
#1	.9386	.0097	.0008	.1430	.2236	.0702	4.393	.3051	-.0032
#2	.9387	.0096	.0008	.1441	.2252	.0688	4.421	.3082	-.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2601**	**.6943**	**.0238**	**-.0015**	**.1904**	**-.0040**	**.0007**	**157.7**	**8.008**
Stddev	.0004	.0035	.0025	.0004	.0010	.0028	.0013	.2	.012
%RSD	.1515	.5098	10.35	24.25	.5477	70.13	196.2	.1575	.1507
#1	.2598	.6918	.0255	-.0012	.1911	-.0020	.0016	157.5	8.016
#2	.2604	.6968	.0221	-.0018	.1897	-.0060	-.0003	157.9	7.999

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**279.8**	**54.49**	**18.59**	**1.447**	**.0841**	**.0040**	**.0068**	**3.717**	**.0280**
Stddev	.4	.11	.00	.001	.0001	.0002	.0019	.006	.0014
%RSD	.1322	.1976	.0095	.0607	.0832	4.249	28.69	.1533	4.837
#1	280.1	54.57	18.59	1.447	.0841	.0041	.0054	3.713	.0290
#2	279.6	54.42	18.58	1.446	.0840	.0039	.0081	3.721	.0271

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0931**	**1.725**	**.0076**	**.0954**	**.3617**	**-.0015**	**.3221**
Stddev	.0001	.002	.0003	.0001	.0014	.0002	.0000
%RSD	.0628	.1076	3.627	.0618	.3732	12.98	.0035
#1	.0931	1.724	.0075	.0954	.3608	-.0017	.3221
#2	.0932	1.727	.0078	.0954	.3627	-.0014	.3221

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57345.**	**9313.5**	**1796.2**	**3564.5**
Stddev	50.	25.6	5.4	15.3
%RSD	.08715	.27521	.29895	.42839
#1	57310.	9295.4	1800.0	3575.3
#2	57380.	9331.7	1792.4	3553.7

Zoom In Zoom Out

Sample Name: jb69209-1 Acquired: 6/20/2014 22:44:51 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5807**	**.0065**	**.0003**	**.0480**	**.0373**	**.0932**	**.3212**	**.0810**	**.0025**
Stddev	.0055	.0000	.0000	.0001	.0003	.0009	.0013	.0000	.0003
%RSD	.9451	.6136	.3830	.1534	.6739	.9750	.4148	.0523	11.48
#1	.5768	.0064	.0003	.0481	.0375	.0938	.3221	.0810	.0023
#2	.5846	.0065	.0003	.0480	.0371	.0925	.3202	.0809	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0640**	**.0936**	**.0140**	**.0000**	**.0077**	**.0045**	**-.0004**	**27.13**	**19.00**
Stddev	.0001	.0003	.0007	.0009	.0008	.0003	.0000	.26	.17
%RSD	.0841	.2792	5.004	1744.	10.74	7.331	6.942	.9548	.9199
#1	.0640	.0938	.0145	.0007	.0071	.0042	-.0004	26.94	18.87
#2	.0641	.0934	.0135	-.0006	.0082	.0047	-.0004	27.31	19.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.23**	**4.591**	**11.05**	**6.065**	**.1697**	**.0083**	**.0002**	**1.966**	**.0236**
Stddev	.15	.044	.10	.055	.0007	.0000	.0018	.005	.0002
%RSD	.9343	.9658	.9205	.9139	.3880	.4147	807.6	.2822	.7526
#1	16.12	4.560	10.98	6.025	.1693	.0083	.0015	1.970	.0237
#2	16.34	4.622	11.13	6.104	.1702	.0084	-.0010	1.962	.0235

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5542**	**.8224**	**-.0004**	**.0165**	**10.24**	**.0007**	**.0178**
Stddev	.0050	.0034	.0007	.0000	.01	.0001	.0002
%RSD	.9018	.4088	153.4	.2775	.1317	11.80	1.042
#1	.5507	.8248	.0000	.0165	10.25	.0007	.0177
#2	.5578	.8200	-.0009	.0164	10.23	.0008	.0179

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57513.**	**9092.4**	**1794.9**	**3715.9**
Stddev	358.	79.5	4.5	10.4
%RSD	.62197	.87419	.25039	.28073
#1	57260.	9148.6	1798.1	3723.3
#2	57766.	9036.2	1791.7	3708.5

Zoom In Zoom Out

Sample Name: jb69266-1 Acquired: 6/20/2014 22:50:56 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4192**	**.0046**	**.0018**	**.0468**	**.1016**	**.1727**	**5.274**	**.1108**	**.0027**
Stddev	.0000	.0000	.0000	.0004	.0001	.0002	.004	.0005	.0002
%RSD	.0091	.3883	.1761	.9374	.1425	.0869	.0840	.4217	6.116
#1	.4192	.0046	.0018	.0471	.1015	.1728	5.277	.1111	.0026
#2	.4193	.0045	.0018	.0465	.1017	.1726	5.270	.1104	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1478**	**.4800**	**.0208**	**-.0028**	**.1726**	**.0015**	**-.0011**	**71.29**	**6.659**
Stddev	.0007	.0012	.0000	.0008	.0004	.0029	.0008	.13	.019
%RSD	.4907	.2577	.1356	29.64	.2569	195.7	75.95	.1777	.2800
#1	.1483	.4809	.0209	-.0022	.1723	.0036	-.0017	71.20	6.645
#2	.1473	.4791	.0208	-.0033	.1729	-.0006	-.0005	71.38	6.672

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**107.1**	**13.16**	**6.478**	**.4655**	**.0363**	**.0025**	**.0000**	**3.451**	**.0312**
Stddev	.1	.09	.005	.0014	.0004	.0003	.0015	.018	.0006
%RSD	.1230	.6672	.0834	.2901	1.062	10.29	4876.	.5114	1.921
#1	107.0	13.10	6.475	.4646	.0360	.0027	.0011	3.463	.0317
#2	107.2	13.23	6.482	.4665	.0365	.0023	-.0010	3.438	.0308

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0542**	**1.885**	**.0050**	**.0478**	**.6111**	**-.0041**	**.0753**
Stddev	.0000	.005	.0012	.0004	.0074	.0002	.0005
%RSD	.0739	.2488	23.61	.8412	1.217	6.046	.6847
#1	.0542	1.888	.0042	.0481	.6163	-.0043	.0756
#2	.0542	1.881	.0058	.0476	.6058	-.0039	.0749

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57392.**	**9181.7**	**1796.9**	**3649.0**
Stddev	5.	29.2	7.5	12.3
%RSD	.00817	.31848	.41839	.33699
#1	57389.	9202.3	1791.6	3640.3
#2	57395.	9161.0	1802.2	3657.7

Zoom In Zoom Out

Sample Name: jb69266-3 Acquired: 6/20/2014 22:56:59 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4427**	**.0043**	**.0040**	**.0358**	**.1451**	**1.177**	**.9441**	**.1122**	**.0104**
Stddev	.0020	.0000	.0001	.0002	.0003	.001	.0016	.0012	.0009
%RSD	.4476	.5775	2.730	.4902	.1814	.0534	.1727	1.100	8.511
#1	.4441	.0042	.0040	.0359	.1449	1.177	.9453	.1131	.0110
#2	.4413	.0043	.0039	.0356	.1453	1.178	.9430	.1113	.0098

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1386**	**4.478**	**.0236**	**-.0023**	**.6746**	**.0037**	**-.0002**	**64.81**	**14.46**
Stddev	.0005	.043	.0005	.0007	.0037	.0017	.0005	.50	.09
%RSD	.3909	.9698	2.052	30.12	.5523	47.24	232.3	.7706	.5969
#1	.1390	4.509	.0233	-.0028	.6773	.0024	.0001	65.17	14.52
#2	.1382	4.447	.0240	-.0018	.6720	.0049	-.0006	64.46	14.40

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**86.15**	**12.63**	**5.416**	**.6909**	**.0331**	**.0042**	**.0015**	**3.791**	**.0647**
Stddev	.72	.18	.046	.0065	.0003	.0001	.0008	.039	.0005
%RSD	.8350	1.441	.8444	.9459	1.024	1.265	53.95	1.027	.7453
#1	86.66	12.76	5.448	.6955	.0334	.0041	.0021	3.818	.0651
#2	85.64	12.50	5.383	.6863	.0329	.0042	.0009	3.763	.0644

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1039**	**2.008**	**.0156**	**.0325**	**1.757**	**-.0030**	**.0791**
Stddev	.0005	.005	.0000	.0002	.014	.0007	.0005
%RSD	.4545	.2649	.0077	.4740	.7661	23.05	.6338
#1	.1043	2.012	.0156	.0326	1.766	-.0034	.0794
#2	.1036	2.004	.0156	.0324	1.747	-.0025	.0787

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56867.**	**9284.3**	**1757.1**	**3604.5**
Stddev	17.	63.3	9.0	17.7
%RSD	.03031	.68223	.51169	.49059
#1	56855.	9239.5	1750.8	3592.0
#2	56879.	9329.1	1763.5	3617.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 23:03:03 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**1.880**	**2.059**	**2.035**	**2.016**	**1.971**	**2.096**	**2.060**	**.2422**
Stddev	.012	.013	.037	.031	.003	.006	.008	.030	.0006
%RSD	.6064	.7022	1.804	1.530	.1638	.3289	.3933	1.460	.2285
#1	2.036	1.889	2.033	2.013	2.013	1.976	2.090	2.039	.2418
#2	2.019	1.871	2.085	2.057	2.018	1.967	2.102	2.082	.2426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.945**	**2.039**	**2.036**	**2.108**	**2.060**	**2.068**	**2.075**	**38.74**	**38.40**
Stddev	.002	.036	.040	.036	.033	.039	.043	.13	.08
%RSD	.0780	1.780	1.963	1.722	1.612	1.902	2.058	.3290	.2096
#1	1.944	2.014	2.008	2.082	2.037	2.040	2.045	38.83	38.46
#2	1.946	2.065	2.064	2.134	2.084	2.096	2.105	38.65	38.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.76**	**37.18**	**37.93**	**38.81**	**2.108**	**2.087**	**2.042**	**5.189**	**2.092**
Stddev	.18	.02	.23	.19	.041	.040	.002	.104	.038
%RSD	.4659	.0428	.5957	.4895	1.944	1.916	.1049	2.004	1.806
#1	37.89	37.19	38.09	38.95	2.079	2.059	2.043	5.116	2.065
#2	37.64	37.17	37.77	38.68	2.137	2.115	2.040	5.263	2.119
Check ?	Chk Pass	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: 6/20/2014 23:03:03 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**2.072**	**1.863**	**1.945**	**2.011**	**2.078**	**1.972**
Stddev	.012	.001	.050	.001	.035	.040	.009
%RSD	.5775	.0260	2.684	.0639	1.718	1.916	.4298
#1	2.007	2.072	1.828	1.946	1.987	2.049	1.978
#2	1.990	2.072	1.898	1.944	2.036	2.106	1.966
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	**54011.**	**8798.0**	**1693.0**	**3458.2**
Stddev	101.	30.7	28.7	49.1
%RSD	.18771	.34946	1.6975	1.4186
#1	53939.	8776.3	1713.3	3492.9
#2	54083.	8819.7	1672.6	3423.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 23:08:58 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0004**	**.0004**	**.0007**	**.0012**	**.0005**	**.0001**
Stddev	.0002	.0000	.0002	.0002	.0003	.0000	.0001	.0005
%RSD	449.6	18.04	50.85	33.92	43.42	.2358	17.69	944.3
#1	-.0001	.0002	.0005	.0005	.0005	.0012	.0005	.0004
#2	.0002	.0003	.0002	.0003	.0009	.0012	.0004	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0003**	**.0006**	**.0007**	**-.0005**	**.0004**	**-.0014**
Stddev	.0002	.0003	.0002	.0007	.0004	.0002	.0014	.0010
%RSD	98.56	971.7	81.40	128.0	58.95	33.16	377.2	69.97
#1	.0001	.0002	.0004	.0001	.0010	-.0007	-.0006	-.0022
#2	.0004	-.0002	.0001	.0011	.0004	-.0004	.0014	-.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	**.0009**	**.0026**	**.0087**	**-.0073**	**.0478**	**.0179**	**.0011**	**.0011**
Stddev	.0009	.0044	.0033	.0115	.0079	.0019	.0005	.0000
%RSD	103.1	171.1	38.26	157.7	16.56	10.77	41.17	1.607
#1	.0016	-.0005	.0064	-.0155	.0422	.0165	.0014	.0011
#2	.0002	.0057	.0111	.0008	.0534	.0192	.0008	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 23:08:58 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0016**	**.0006**	**.0003**	**.0005**	W **.0221**	W **.0019**	**-.0011**
Stddev	.0010	.0002	.0006	.0002	.0000	.0011	.0001	.0008
%RSD	273.5	9.328	93.86	48.97	1.965	5.062	6.400	70.40
#1	.0010	.0015	.0011	.0002	.0005	.0229	.0020	-.0017
#2	-.0003	.0018	.0002	.0004	.0005	.0213	.0018	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0006**	**.0011**
Stddev	.0003	.0004
%RSD	54.65	31.24
#1	.0004	.0014
#2	.0009	.0009
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57946.**	**8918.9**	**1773.8**	**3850.9**
Stddev	704.	81.5	10.2	22.3
%RSD	1.2156	.91392	.57400	.57805
#1	57448.	8861.3	1781.0	3866.7
#2	58444.	8976.5	1766.6	3835.2

Zoom In Zoom Out

Sample Name: jb69280-1 Acquired: 6/20/2014 23:15:09 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9435**	**.0009**	**.0041**	**.0109**	**.1598**	**3.383**	**.3444**	**.0874**	**.0115**
Stddev	.0006	.0000	.0000	.0003	.0009	.001	.0027	.0004	.0005
%RSD	.0586	3.932	.9920	2.938	.5627	.0243	.7746	.5056	4.775
#1	.9439	.0010	.0041	.0111	.1604	3.383	.3462	.0878	.0111
#2	.9431	.0009	.0040	.0107	.1592	3.384	.3425	.0871	.0119

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0359**	**2.597**	**.0154**	**-.0019**	**.0806**	**.0140**	**.0032**	**168.4**	**72.51**
Stddev	.0001	.008	.0002	.0009	.0011	.0008	.0011	.1	.12
%RSD	.1402	.3176	1.423	46.80	1.380	5.518	32.69	.0562	.1697
#1	.0359	2.603	.0152	-.0013	.0813	.0135	.0025	168.5	72.42
#2	.0360	2.591	.0155	-.0026	.0798	.0146	.0040	168.4	72.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**25.58**	**7.927**	**3.876**	**26.19**	**.0329**	**.0219**	**.0123**	**11.62**	**.3724**
Stddev	.06	.008	.001	.02	.0013	.0004	.0008	.12	.0008
%RSD	.2325	.1031	.0164	.0803	3.836	2.037	6.271	1.070	.2277
#1	25.54	7.921	3.876	26.20	.0338	.0216	.0118	11.53	.3718
#2	25.62	7.933	3.876	26.17	.0320	.0222	.0129	11.71	.3730

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3160**	**.3978**	**.0453**	**.0576**	**32.40**	**.0534**	**.0116**
Stddev	.0004	.0023	.0001	.0000	.08	.0009	.0002
%RSD	.1237	.5891	.1331	.0380	.2551	1.695	1.702
#1	.3163	.3961	.0454	.0576	32.34	.0528	.0115
#2	.3157	.3994	.0453	.0576	32.45	.0540	.0117

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54773.**	**9031.6**	**1672.9**	**3332.9**
Stddev	132.	8.6	11.1	15.5
%RSD	.24087	.09554	.66281	.46468
#1	54680.	9037.7	1680.7	3343.8
#2	54866.	9025.5	1665.0	3321.9

Zoom In Zoom Out

Sample Name: jb69601-1 Acquired: 6/20/2014 23:21:10 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.302**	**.0071**	**.0076**	**.0980**	**.6645**	**1.011**	**3.366**	**.5126**	**.0046**
Stddev	.014	.0001	.0004	.0004	.0016	.004	.006	.0016	.0012
%RSD	1.077	.9869	4.912	.3989	.2448	.4195	.1912	.3217	26.77
#1	1.292	.0070	.0079	.0977	.6634	1.014	3.361	.5115	.0037
#2	1.312	.0071	.0074	.0983	.6657	1.008	3.371	.5138	.0055

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3042**	**3.517**	**.1141**	**-.0051**	**1.489**	**.0002**	**.1041**	**64.65**	**83.12**
Stddev	.0014	.015	.0019	.0033	.006	.0000	.0006	.63	.67
%RSD	.4543	.4273	1.623	64.72	.4052	7.938	.5371	.9719	.8110
#1	.3032	3.507	.1127	-.0074	1.484	.0002	.1045	64.20	82.64
#2	.3051	3.528	.1154	-.0027	1.493	.0002	.1037	65.09	83.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**191.7**	**35.10**	**12.85**	**2.569**	**.0783**	**.0148**	**.0062**	**6.612**	**.1897**
Stddev	1.8	.47	.11	.029	.0004	.0000	.0011	.006	.0017
%RSD	.9251	1.333	.8813	1.110	.4572	.0891	16.90	.0853	.8769
#1	190.5	34.77	12.77	2.549	.0785	.0148	.0055	6.616	.1885
#2	193.0	35.44	12.93	2.589	.0780	.0148	.0070	6.608	.1908

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4623**	**4.387**	**.0332**	**.0604**	**13.73**	**.0053**	**.1020**
Stddev	.0044	.003	.0010	.0001	.00	.0009	.0005
%RSD	.9518	.0712	2.899	.2131	.0028	16.42	.4546
#1	.4592	4.385	.0339	.0605	13.73	.0059	.1016
#2	.4654	4.389	.0325	.0603	13.73	.0047	.1023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56178.**	**9420.8**	**1689.6**	**3458.7**
Stddev	29.	57.2	6.0	5.2
%RSD	.05122	.60750	.35797	.15042
#1	56199.	9461.2	1685.3	3455.0
#2	56158.	9380.3	1693.9	3462.4

Zoom In Zoom Out

Sample Name: jb69666-4 Acquired: 6/20/2014 23:27:11 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7501**	**.0070**	**.0047**	**.0659**	**.2148**	**.2570**	**1.564**	**.1610**	**.0016**
Stddev	.0027	.0000	.0002	.0007	.0014	.0015	.003	.0020	.0004
%RSD	.3544	.2714	3.496	1.073	.6404	.5937	.1689	1.237	22.83
#1	.7520	.0070	.0048	.0654	.2138	.2581	1.562	.1596	.0014
#2	.7483	.0070	.0046	.0664	.2158	.2560	1.566	.1624	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2919**	**.5706**	**.0504**	**-.0034**	**.2918**	**.0030**	**-.0022**	**115.1**	**62.82**
Stddev	.0011	.0034	.0011	.0020	.0011	.0022	.0008	.0	.07
%RSD	.3702	.6000	2.171	59.06	.3684	74.21	36.74	.0203	.1127
#1	.2912	.5681	.0512	-.0020	.2910	.0014	-.0016	115.1	62.77
#2	.2927	.5730	.0496	-.0048	.2925	.0046	-.0028	115.1	62.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**136.4**	**42.34**	**16.95**	**1.986**	**.0334**	**.0094**	**.0011**	**4.344**	**.0414**
Stddev	.2	.07	.03	.004	.0005	.0001	.0002	.034	.0001
%RSD	.1487	.1633	.1800	.2115	1.637	1.475	18.86	.7799	.2337
#1	136.5	42.29	16.98	1.989	.0330	.0093	.0009	4.320	.0415
#2	136.2	42.39	16.93	1.983	.0338	.0095	.0012	4.368	.0413

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1439**	**4.775**	**.0181**	**.0595**	**2.125**	**.0006**	**.1135**
Stddev	.0002	.002	.0008	.0001	.021	.0013	.0007
%RSD	.1449	.0466	4.554	.1927	1.008	230.6	.6462
#1	.1441	4.773	.0187	.0596	2.110	.0015	.1140
#2	.1438	4.776	.0175	.0594	2.140	-.0004	.1130

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55579.**	**9334.8**	**1680.1**	**3391.7**
Stddev	120.	5.2	14.2	23.6
%RSD	.21598	.05571	.84564	.69713
#1	55664.	9338.5	1690.1	3408.4
#2	55494.	9331.1	1670.1	3374.9

Zoom In Zoom Out

Sample Name: jb69666-5 Acquired: 6/20/2014 23:33:11 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6750**	**.0072**	**.0023**	**.0581**	**.2284**	**.2380**	**1.421**	**.1415**	**.0020**
Stddev	.0020	.0000	.0002	.0005	.0005	.0006	.004	.0010	.0005
%RSD	.3032	.1976	7.992	.7867	.2210	.2336	.2821	.6955	24.60
#1	.6736	.0072	.0022	.0578	.2287	.2376	1.418	.1408	.0017
#2	.6765	.0072	.0024	.0584	.2280	.2384	1.424	.1422	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2643**	**.5699**	**.0463**	**-.0041**	**.2836**	**.0030**	**-.0011**	**98.78**	**102.4**
Stddev	.0011	.0026	.0002	.0026	.0005	.0037	.0013	.33	.2
%RSD	.4254	.4497	.3653	64.18	.1773	126.3	116.3	.3346	.1842
#1	.2635	.5680	.0462	-.0022	.2832	.0056	-.0020	98.55	102.3
#2	.2651	.5717	.0464	-.0059	.2839	.0003	-.0002	99.01	102.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**139.3**	**65.80**	**14.46**	**1.620**	**.0297**	**.0093**	**-.0016**	**3.125**	**.0413**
Stddev	.2	.10	.02	.007	.0005	.0003	.0007	.010	.0002
%RSD	.1508	.1563	.1465	.4485	1.613	3.654	46.84	.3118	.5020
#1	139.2	65.73	14.45	1.615	.0301	.0096	-.0021	3.118	.0415
#2	139.5	65.87	14.48	1.625	.0294	.0091	-.0011	3.132	.0412

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1713**	**4.803**	**.0227**	**.0628**	**1.549**	**-.0010**	**.0978**
Stddev	.0007	.002	.0005	.0006	.013	.0001	.0003
%RSD	.3830	.0454	2.344	.8890	.8306	11.21	.2632
#1	.1708	4.802	.0231	.0624	1.540	-.0010	.0977
#2	.1717	4.805	.0224	.0632	1.558	-.0009	.0980

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55231.**	**9230.6**	**1671.4**	**3359.9**
Stddev	23.	15.3	3.3	5.9
%RSD	.04128	.16610	.19827	.17508
#1	55214.	9241.4	1673.7	3364.0
#2	55247.	9219.7	1669.0	3355.7

Zoom In Zoom Out

Sample Name: jb69666-6 Acquired: 6/20/2014 23:39:12 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9144**	**.0097**	**.0027**	**.0835**	**.2913**	**.1939**	**1.829**	**.2026**	**.0004**
Stddev	.0164	.0002	.0001	.0018	.0007	.0013	.007	.0043	.0025
%RSD	1.796	2.186	3.442	2.098	.2272	.6952	.3756	2.132	655.4
#1	.9261	.0098	.0026	.0847	.2917	.1948	1.834	.2057	.0021
#2	.9028	.0095	.0027	.0823	.2908	.1929	1.824	.1995	-.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3640**	**.6072**	**.0499**	**-.0034**	**.2112**	**.0018**	**-.0027**	**132.1**	**55.40**
Stddev	.0013	.0093	.0006	.0009	.0030	.0034	.0001	2.4	1.10
%RSD	.3544	1.533	1.148	25.88	1.397	188.0	5.351	1.788	1.979
#1	.3650	.6138	.0503	-.0040	.2133	-.0006	-.0026	133.8	56.17
#2	.3631	.6006	.0495	-.0028	.2092	.0042	-.0028	130.5	54.62

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**204.7**	**56.33**	**32.33**	**2.257**	**.0230**	**.0070**	**.0000**	**3.984**	**.0488**
Stddev	3.8	1.12	.56	.042	.0006	.0001	.0013	.090	.0013
%RSD	1.863	1.980	1.737	1.873	2.703	1.318	18770.	2.249	2.697
#1	207.4	57.12	32.72	2.286	.0225	.0071	-.0009	4.048	.0478
#2	202.0	55.54	31.93	2.227	.0234	.0069	.0009	3.921	.0497

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1218**	**6.945**	**.0096**	**.0726**	**1.272**	**.0022**	**.1444**
Stddev	.0019	.034	.0024	.0003	.029	.0006	.0024
%RSD	1.593	.4907	25.24	.4175	2.250	28.44	1.631
#1	.1231	6.969	.0113	.0728	1.292	.0027	.1461
#2	.1204	6.921	.0079	.0724	1.252	.0018	.1428

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55740.**	**9270.0**	**1693.1**	**3402.4**
Stddev	120.	151.4	30.3	55.0
%RSD	.21525	1.6331	1.7873	1.6177
#1	55656.	9163.0	1671.7	3363.4
#2	55825.	9377.1	1714.5	3441.3

Zoom In Zoom Out

Sample Name: mp80187-mb1 2 Acquired: 6/20/2014 23:45:11 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0003**	**.0000**	**.0000**	**-.0002**	**.0006**	**.0018**	**.0000**	**-.0002**	**-.0002**
Stddev	.0001	.0000	.0001	.0001	.0000	.0002	.0000	.0002	.0002
%RSD	22.66	133.1	1856.	29.28	1.348	13.10	55.10	102.0	83.71
#1	-.0003	.0001	.0001	-.0002	.0006	.0016	.0000	-.0004	-.0004
#2	-.0002	.0000	-.0001	-.0001	.0006	.0019	.0000	-.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0016**	**.0007**	**-.0002**	**-.0007**	**.0009**	**-.0013**	**.0126**	**.0150**
Stddev	.0004	.0001	.0005	.0003	.0003	.0013	.0001	.0000	.0001
%RSD	112.7	8.101	70.62	109.4	46.00	143.4	4.508	.1380	.3736
#1	-.0001	.0017	.0010	-.0004	-.0010	-.0000	-.0012	.0126	.0150
#2	-.0007	.0015	.0003	-.0001	-.0005	.0018	-.0013	.0127	.0149

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0027**	**-.0169**	**.0382**	**.0055**	**.0006**	**.0003**	**-.0003**	**.0237**	**.0006**
Stddev	.0035	.0082	.0080	.0020	.0003	.0001	.0004	.0001	.0004
%RSD	130.6	48.63	20.90	35.24	39.39	17.49	113.5	.3981	74.28
#1	.0052	-.0227	.0439	.0069	.0008	.0003	-.0006	.0238	.0003
#2	.0002	-.0111	.0326	.0042	.0005	.0003	-.0001	.0236	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0002**	**.0025**	**.0006**	**.0060**	**-.0002**	**-.0004**
Stddev	.0000	.0004	.0006	.0001	.0016	.0004	.0003
%RSD	.8534	250.1	21.81	12.55	27.09	204.0	97.32
#1	.0001	-.0005	.0021	.0007	.0071	.0001	-.0001
#2	.0001	.0001	.0029	.0006	.0048	-.0004	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58805.**	**9286.8**	**1778.1**	**3894.5**
Stddev	44.	81.9	.3	2.7
%RSD	.07557	.88157	.01654	.06876
#1	58774.	9344.7	1778.3	3896.4
#2	58836.	9228.9	1777.9	3892.6

Zoom In Zoom Out

Sample Name: mp80187-b1 Acquired: 6/20/2014 23:51:21 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.000**	**.0495**	**.0578**	**.5061**	**.2071**	**.2551**	**.5309**	**.5124**	**.0538**
Stddev	.122	.0029	.0002	.0006	.0017	.0007	.0017	.0001	.0005
%RSD	6.079	5.823	.2609	.1182	.8407	.2615	.3111	.0252	.9917
#1	1.914	.0475	.0579	.5057	.2083	.2555	.5321	.5123	.0542
#2	2.086	.0515	.0577	.5065	.2059	.2546	.5298	.5124	.0534

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5044**	**.5127**	**2.158**	**2.177**	**.5263**	**2.165**	**.5247**	**1.911**	**23.54**
Stddev	.0018	.0011	.001	.002	.0005	.001	.0015	.117	1.34
%RSD	.3645	.2073	.0621	.0759	.0880	.0478	.2785	6.119	5.707
#1	.5057	.5134	2.157	2.175	.5260	2.166	.5237	1.828	22.59
#2	.5031	.5119	2.159	2.178	.5266	2.165	.5258	1.994	24.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9888**	**23.69**	**23.76**	**24.49**	**2.140**	**2.082**	**2.081**	**2.143**	**2.068**
Stddev	.0502	1.46	1.40	1.46	.000	.003	.004	.003	.003
%RSD	5.078	6.179	5.879	5.984	.0121	.1365	.1802	.1498	.1479
#1	.9532	22.65	22.78	23.45	2.139	2.084	2.084	2.145	2.066
#2	1.024	24.72	24.75	25.52	2.140	2.080	2.079	2.140	2.071

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.973**	**2.157**	**.0249**	**.0005**	**.0093**	**.0016**	**.0009**
Stddev	.121	.009	.0011	.0004	.0028	.0019	.0003
%RSD	6.108	.4094	4.226	65.31	30.50	116.3	37.88
#1	1.888	2.163	.0257	.0003	.0113	.0003	.0011
#2	2.058	2.151	.0242	.0008	.0073	.0029	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55162.**	**9249.9**	**1720.6**	**3611.1**
Stddev	197.	434.6	1.8	4.1
%RSD	.35787	4.6985	.10492	.11259
#1	55022.	9557.2	1719.4	3608.3
#2	55301.	8942.6	1721.9	3614.0

Zoom In Zoom Out

Sample Name: mp80187-lc1 Acquired: 6/20/2014 23:57:16 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5024**	**.4647**	**.4885**	**.4764**	**.5011**	**.4848**	**.5170**	**.4902**	**.1848**
Stddev	.0012	.0012	.0043	.0044	.0091	.0050	.0107	.0024	.0022
%RSD	.2309	.2568	.8806	.9201	1.812	1.026	2.072	.4881	1.190
#1	.5032	.4655	.4855	.4733	.4947	.4813	.5094	.4885	.1832
#2	.5016	.4638	.4916	.4795	.5075	.4883	.5246	.4919	.1863

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4860**	**.4933**	**.4941**	**.5183**	**.4949**	**.4978**	**.4896**	**4.781**	**5.388**
Stddev	.0066	.0048	.0060	.0056	.0030	.0048	.0041	.014	.001
%RSD	1.354	.9784	1.214	1.089	.6058	.9626	.8396	.2968	.0212
#1	.4813	.4899	.4898	.5144	.4928	.4944	.4866	4.791	5.387
#2	.4906	.4968	.4983	.5223	.4971	.5012	.4925	4.771	5.389

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.265**	**5.069**	**9.406**	**9.698**	**.0150**	**.5013**	**.0005**	**.0532**	**.0021**
Stddev	.006	.018	.009	.015	.0004	.0041	.0001	.0011	.0002
%RSD	.1175	.3587	.0982	.1561	2.344	.8163	23.46	1.981	9.667
#1	5.270	5.082	9.412	9.709	.0147	.4984	.0004	.0539	.0022
#2	5.261	5.056	9.399	9.687	.0152	.5042	.0006	.0524	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5218**	**.0079**	**.0009**	**.0044**	**-.0007**	**.0006**
Stddev	.0000	.0077	.0009	.0000	.0019	.0000	.0004
%RSD	27.14	1.473	11.91	.8434	43.72	6.913	61.76
#1	-.0001	.5163	.0072	.0009	.0058	-.0007	.0009
#2	-.0001	.5272	.0086	.0009	.0030	-.0007	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57023.**	**9204.2**	**1797.4**	**3827.6**
Stddev	661.	38.9	5.8	13.5
%RSD	1.1593	.42306	.32017	.35227
#1	57491.	9176.7	1801.4	3837.1
#2	56556.	9231.7	1793.3	3818.1

Zoom In Zoom Out

Sample Name: mp80187-s1 Acquired: 6/21/2014 0:03:17 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.078**	**.0500**	**.0604**	**.5101**	**.2010**	**.2559**	**1.968**	**.5159**	**.0596**
Stddev	.004	.0000	.0001	.0015	.0002	.0004	.006	.0027	.0000
%RSD	.2174	.0621	.1283	.2938	.0934	.1478	.3016	.5280	.0709
#1	2.081	.0500	.0603	.5091	.2008	.2557	1.972	.5140	.0596
#2	2.074	.0500	.0604	.5112	.2011	.2562	1.964	.5179	.0596

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5012**	**.5116**	**2.329**	**2.059**	**.5247**	**2.264**	**.5515**	**2.112**	**460.3**
Stddev	.0007	.0014	.007	.003	.0026	.000	.0034	.009	.9
%RSD	.1300	.2705	.2963	.1612	.4947	.0074	.6212	.4408	.2025
#1	.5016	.5107	2.324	2.056	.5228	2.264	.5491	2.119	461.0
#2	.5007	.5126	2.334	2.061	.5265	2.264	.5539	2.106	459.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.669**	**59.61**	**27.58**	**134.7**	**5.033**	**2.088**	**2.146**	**12.85**	**2.016**
Stddev	.003	.14	.07	.5	.007	.004	.009	.01	.004
%RSD	.1808	.2425	.2578	.3445	.1373	.1720	.3973	.0571	.2076
#1	1.671	59.51	27.63	135.1	5.028	2.086	2.152	12.84	2.013
#2	1.667	59.72	27.53	134.4	5.038	2.091	2.140	12.85	2.019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.062**	**2.111**	**.0412**	**.0007**	**368.8**	**.0004**	**.1131**
Stddev	.021	.006	.0016	.0000	.6	.0003	.0005
%RSD	.3008	.3062	3.866	1.245	.1541	67.36	.4145
#1	7.047	2.115	.0401	.0007	368.4	.0006	.1134
#2	7.077	2.106	.0423	.0008	369.2	.0002	.1128

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50582.**	**8561.2**	**1551.9**	**3138.8**
Stddev	56.	2.5	.5	.2
%RSD	.10996	.02889	.03427	.00615
#1	50543.	8559.5	1551.5	3138.9
#2	50621.	8563.0	1552.3	3138.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/21/2014 0:09:26 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**1.919**	**2.028**	**2.018**	**2.007**	**1.954**	**2.062**	**2.042**	**.2409**
Stddev	.002	.006	.002	.004	.003	.006	.005	.004	.0001
%RSD	.0818	.3110	.0850	.1845	.1257	.3147	.2405	.2102	.0407
#1	2.002	1.924	2.027	2.021	2.008	1.950	2.066	2.045	.2410
#2	2.004	1.915	2.029	2.016	2.005	1.958	2.059	2.039	.2408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.953**	**2.043**	**2.022**	**2.097**	**2.045**	**2.038**	**2.036**	**38.34**	**38.59**
Stddev	.001	.002	.002	.001	.002	.005	.001	.06	.18
%RSD	.0388	.1055	.0975	.0433	.1129	.2305	.0571	.1639	.4544
#1	1.954	2.045	2.021	2.098	2.043	2.035	2.035	38.38	38.72
#2	1.953	2.042	2.023	2.097	2.047	2.041	2.037	38.29	38.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.81**	**37.30**	**37.87**	**38.64**	**2.076**	**2.064**	**2.007**	**5.114**	**2.075**
Stddev	.17	.25	.03	.01	.003	.001	.004	.002	.003
%RSD	.4538	.6597	.0904	.0272	.1600	.0326	.1869	.0314	.1274
#1	37.93	37.47	37.90	38.64	2.074	2.065	2.004	5.115	2.077
#2	37.69	37.13	37.85	38.63	2.079	2.064	2.009	5.113	2.073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/21/2014 0:09:26 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.984**	**2.037**	**1.859**	**1.944**	**2.005**	**2.036**	**1.950**
Stddev	.002	.003	.019	.001	.005	.003	.007
%RSD	.1153	.1684	1.036	.0340	.2651	.1464	.3648
#1	1.982	2.039	1.846	1.943	2.009	2.034	1.945
#2	1.986	2.034	1.873	1.944	2.002	2.038	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	**55018.**	**8826.9**	**1744.3**	**3549.5**
Stddev	36.	60.1	.0	1.6
%RSD	.06503	.68081	.00067	.04585
#1	55044.	8784.4	1744.3	3548.4
#2	54993.	8869.4	1744.3	3550.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 0:15:20 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0003**	**.0004**	**.0005**	**.0006**	**.0005**	**.0004**
Stddev	.0002	.0001	.0001	.0003	.0004	.0001	.0000	.0000
%RSD	52.38	17.87	21.12	75.82	81.70	21.42	8.723	7.142
#1	.0005	.0005	.0004	.0002	.0002	.0005	.0004	.0004
#2	.0002	.0004	.0003	.0006	.0009	.0006	.0005	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0002**	**.0003**	**.0013**	**.0013**	**-.0007**	**-.0008**	**-.0005**
Stddev	.0003	.0004	.0002	.0005	.0012	.0001	.0020	.0001
%RSD	795.1	246.6	83.83	36.71	95.63	7.380	246.5	19.24
#1	-.0003	.0005	.0005	.0010	.0022	-.0007	.0006	-.0005
#2	.0002	-.0001	.0001	.0017	.0004	-.0007	-.0023	-.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	**.0097**	**.0074**	W **.0147**	**-.0108**	**.0789**	**.0214**	**.0019**	**.0012**
Stddev	.0045	.0029	.0019	.0258	.0178	.0000	.0001	.0002
%RSD	46.06	38.82	12.92	237.9	22.58	.1425	7.365	16.06
#1	.0129	.0054	.0161	.0074	.0915	.0215	.0018	.0014
#2	.0066	.0094	.0134	-.0290	.0663	.0214	.0020	.0011
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 0:15:20 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0033**	**.0012**	**.0006**	**.0004**	W **.0227**	W **.0017**	**.0027**
Stddev	.0001	.0007	.0004	.0000	.0000	.0016	.0002	.0003
%RSD	28.03	21.90	30.44	4.059	2.755	7.157	10.56	10.96
#1	-.0004	.0038	.0015	.0006	.0004	.0238	.0016	.0029
#2	-.0006	.0028	.0009	.0005	.0004	.0215	.0018	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0002**	**.0005**
Stddev	.0007	.0002
%RSD	358.7	34.20
#1	.0007	.0004
#2	-.0003	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58941.**	**8985.1**	**1849.6**	**3988.7**
Stddev	20.	4.6	20.9	42.6
%RSD	.03390	.05165	1.1315	1.0688
#1	58927.	8981.8	1864.4	4018.8
#2	58955.	8988.4	1834.8	3958.5

Zoom In Zoom Out

Sample Name: mp80187-s2 Acquired: 6/21/2014 0:21:32 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.066**	**.0502**	**.0607**	**.5146**	**.2025**	**.2586**	**1.997**	**.5216**	**.0608**
Stddev	.044	.0014	.0002	.0011	.0008	.0013	.010	.0008	.0010
%RSD	2.126	2.833	.2593	.2120	.4161	.5162	.5061	.1566	1.661
#1	2.035	.0492	.0608	.5154	.2031	.2577	2.004	.5221	.0601
#2	2.097	.0512	.0606	.5138	.2020	.2595	1.990	.5210	.0616

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5083**	**.5177**	**2.355**	**2.076**	**.5291**	**2.274**	**.5567**	**2.098**	**466.8**
Stddev	.0017	.0001	.001	.004	.0023	.004	.0007	.049	12.0
%RSD	.3399	.0110	.0552	.1923	.4439	.1694	.1189	2.321	2.568
#1	.5095	.5176	2.354	2.073	.5307	2.271	.5563	2.064	458.3
#2	.5071	.5177	2.356	2.079	.5274	2.276	.5572	2.133	475.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.679**	**59.95**	**27.66**	**137.7**	**5.117**	**2.115**	**2.153**	**13.09**	**2.033**
Stddev	.047	1.89	.62	1.7	.005	.001	.010	.02	.001
%RSD	2.772	3.154	2.236	1.203	.1081	.0296	.4645	.1179	.0594
#1	1.646	58.61	27.22	138.9	5.113	2.115	2.146	13.08	2.034
#2	1.712	61.28	28.09	136.6	5.121	2.115	2.160	13.10	2.032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.291**	**2.116**	**.0608**	**.0008**	**377.7**	**-.0011**	**.1149**
Stddev	.006	.004	.0019	.0000	.0	.0009	.0028
%RSD	.0879	.2085	3.145	5.237	.0100	83.59	2.425
#1	7.287	2.119	.0621	.0008	377.7	-.0005	.1129
#2	7.296	2.112	.0594	.0008	377.7	-.0018	.1169

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	50374.	8570.7	1554.3	3138.3
Stddev	50.	182.8	1.1	.9
%RSD	.09987	2.1324	.07293	.02876
#1	50409.	8700.0	1555.1	3137.7
#2	50338.	8441.5	1553.5	3139.0

Zoom In Zoom Out

Sample Name: jb69451-6f Acquired: 6/21/2014 0:27:39 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (187)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0271**	**-.0001**	**.0002**	**.0013**	**.0006**	**-.0020**	**1.421**	**.0005**	**.0041**
Stddev	.0004	.0000	.0002	.0000	.0002	.0003	.006	.0001	.0000
%RSD	1.447	21.77	95.59	1.948	34.33	15.02	.4390	27.12	.1991
#1	.0274	-.0001	.0003	.0013	.0004	-.0022	1.426	.0006	.0041
#2	.0268	-.0001	.0001	.0013	.0007	-.0018	1.417	.0004	.0041

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0038**	**.0040**	**-.0045**	**.0030**	**.0043**	**.0001**	**.1170**	**436.6**
Stddev	.0004	.0002	.0004	.0004	.0016	.0007	.0000	.0005	10.9
%RSD	23.70	6.487	10.49	9.362	54.89	16.78	23.60	.3946	2.503
#1	.0018	.0039	.0043	-.0042	.0018	.0038	.0001	.1174	444.3
#2	.0013	.0036	.0037	-.0048	.0042	.0048	.0002	.1167	428.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6739**	**34.71**	**2.153**	**110.6**	**2.724**	**.0200**	**.0143**	**10.17**	**.0004**
Stddev	.0218	.80	.056	2.7	.005	.0002	.0020	.03	.0001
%RSD	3.238	2.304	2.593	2.456	.2024	.8316	14.01	.2666	27.88
#1	.6893	35.28	2.193	112.5	2.720	.0199	.0129	10.15	.0005
#2	.6585	34.15	2.114	108.6	2.727	.0201	.0157	10.19	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.046**	**.0000**	**.0232**	**.0011**	**355.0**	**-.0016**	**.1094**
Stddev	.096	.0002	.0006	.0000	.8	.0008	.0032
%RSD	1.905	946.5	2.586	.8004	.2363	46.91	2.907
#1	5.114	-.0001	.0236	.0011	354.4	-.0011	.1116
#2	4.978	.0002	.0227	.0011	355.6	-.0022	.1071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	51149.	8389.9	1601.5	3243.3
Stddev	142.	173.3	1.0	3.6
%RSD	.27764	2.0658	.06007	.11087
#1	51049.	8267.3	1602.2	3245.9
#2	51250.	8512.4	1600.8	3240.8

Zoom In Zoom Out

Sample Name: mp80187-sd1 Acquired: 6/21/2014 0:33:51 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 451-6f

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0272**	**-.0003**	**.0006**	**.0010**	**.0017**	**.0014**	**1.441**	**.0003**	**.0031**
Stddev	.0002	.0003	.0006	.0002	.0017	.0009	.005	.0006	.0024
%RSD	.8193	104.1	110.8	18.36	97.14	69.56	.3739	235.4	76.14
#1	.0270	-.0001	.0010	.0011	.0005	.0020	1.445	.0007	.0014
#2	.0273	-.0005	.0001	.0008	.0029	.0007	1.437	-.0002	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0040**	**.0038**	**-.0118**	**.0054**	**-.0030**	**-.0032**	**.1440**	**445.1**
Stddev	.0018	.0006	.0026	.0010	.0040	.0030	.0018	.0317	1.0
%RSD	192.4	13.94	70.08	8.141	73.90	100.9	56.41	22.02	.2192
#1	.0022	.0044	.0056	-.0111	.0026	-.0009	-.0045	.1665	445.8
#2	-.0003	.0036	.0019	-.0125	.0082	-.0052	-.0019	.1216	444.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6971**	**34.88**	**2.259**	**108.8**	**2.701**	**.0211**	**.0113**	**10.00**	**.0014**
Stddev	.0245	.07	.030	.4	.018	.0001	.0036	.06	.0011
%RSD	3.513	.1941	1.345	.3261	.6637	.3316	31.80	.6213	76.80
#1	.6798	34.93	2.280	109.0	2.689	.0211	.0138	9.959	.0007
#2	.7144	34.83	2.237	108.5	2.714	.0212	.0087	10.05	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.096**	**.0006**	**.0158**	**.0036**	**360.3**	**.0023**	**.1055**
Stddev	.009	.0005	.0020	.0000	1.4	.0010	.0005
%RSD	.1862	82.63	12.35	.2868	.3834	42.34	.4339
#1	5.103	.0009	.0172	.0036	359.3	.0016	.1058
#2	5.090	.0002	.0144	.0036	361.2	.0030	.1051

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	55972.	8742.4	1776.1	3702.5
Stddev	31.	32.9	7.2	11.9
%RSD	.05549	.37627	.40272	.32015
#1	55950.	8719.2	1781.2	3710.9
#2	55994.	8765.7	1771.1	3694.1

Zoom In Zoom Out

Sample Name: jb64500-53 Acquired: 6/21/2014 0:39:57 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0000**	**-.0001**	**.0000**	**-.0002**	**.0003**	**.0009**	**.0001**	**-.0002**	**.0001**
Stddev	.0001	.0001	.0001	.0000	.0002	.0003	.0001	.0001	.0002
%RSD	274.1	86.65	2150.	8.289	72.04	36.34	118.9	73.66	210.1
#1	-.0001	-.0000	.0001	-.0002	.0005	.0011	.0000	-.0001	.0002
#2	.0000	-.0001	-.0001	-.0002	.0002	.0006	.0001	-.0003	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0010**	**.0000**	**.0006**	**-.0014**	**.0002**	**-.0000**	**.0047**	**.0210**
Stddev	.0001	.0002	.0006	.0000	.0009	.0008	.0011	.0064	.0071
%RSD	48.19	18.37	1699.	7.382	60.33	405.2	9518.	137.7	33.68
#1	-.0003	.0012	-.0004	.0006	-.0020	-.0004	-.0008	.0092	.0160
#2	-.0001	.0009	.0004	.0007	-.0008	.0008	.0008	.0001	.0260

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0043**	**.0205**	**.0464**	**.0201**	**.0020**	**.0003**	**-.0002**	**.0115**	**.0006**
Stddev	.0003	.0133	.0142	.0008	.0001	.0001	.0002	.0005	.0001
%RSD	6.227	65.18	30.54	4.130	4.270	18.91	113.7	4.403	25.96
#1	.0041	.0299	.0364	.0196	.0020	.0002	-.0000	.0112	.0005
#2	.0045	.0110	.0564	.0207	.0021	.0003	-.0004	.0119	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0003**	**.0005**	**.0006**	**.0161**	**-.0005**	**-.0003**
Stddev	.0000	.0003	.0002	.0000	.0029	.0007	.0009
%RSD	19.86	98.84	38.09	7.983	17.96	152.3	298.7
#1	.0001	-.0001	.0004	.0005	.0141	-.0010	.0003
#2	.0001	-.0005	.0007	.0006	.0182	.0000	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59395.	8943.3	1884.1	4066.6
Stddev	40.	5.4	.4	1.5
%RSD	.06758	.06028	.01951	.03574
#1	59366.	8947.1	1883.8	4065.6
#2	59423.	8939.5	1884.4	4067.6

Zoom In Zoom Out

Sample Name: jb64500-54 Acquired: 6/21/2014 0:46:06 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0004**	**.0007**	**.0001**	**-.0001**	**-.0001**
Stddev	.0001	.0001	.0001	.0001	.0001	.0002	.0000	.0005	.0000
%RSD	157.3	221.7	38.79	64.23	25.13	32.59	48.94	546.6	13.78
#1	-.0000	-.0001	.0002	-.0002	.0005	.0008	.0000	-.0004	-.0001
#2	.0001	.0000	.0001	-.0001	.0004	.0005	.0001	.0003	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0005**	**.0000**	**-.0003**	**-.0003**	**.0002**	**.0000**	**.0065**	**.0062**
Stddev	.0001	.0001	.0017	.0003	.0008	.0014	.0003	.0043	.0015
%RSD	1065.	19.72	15450.	121.4	242.1	574.6	698.7	66.45	24.32
#1	-.0001	.0004	-.0012	-.0000	-.0009	-.0007	-.0002	.0096	.0051
#2	.0001	.0005	.0012	-.0005	.0002	.0012	.0003	.0035	.0072

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0014**	**-.0221**	**.0456**	**.0147**	**.0011**	**.0003**	**.0002**	**.0186**	**.0007**
Stddev	.0010	.0410	.0023	.0031	.0000	.0000	.0009	.0005	.0001
%RSD	76.31	185.7	4.935	21.10	3.985	16.36	534.9	2.726	10.67
#1	.0006	.0069	.0440	.0169	.0011	.0002	.0008	.0190	.0007
#2	.0021	-.0511	.0472	.0125	.0011	.0003	-.0005	.0182	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0010**	**.0006**	**.0085**	**-.0002**	**.0004**
Stddev	.0000	.0000	.0005	.0001	.0006	.0012	.0017
%RSD	.5678	11.01	51.86	11.77	7.010	580.8	385.0
#1	.0001	.0003	-.0006	.0007	.0089	.0006	.0016
#2	.0001	.0003	-.0014	.0006	.0081	-.0011	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59150.**	**8867.5**	**1880.7**	**4064.8**
Stddev	30.	71.9	18.8	34.5
%RSD	.05048	.81108	.99984	.84772
#1	59172.	8918.4	1867.4	4040.5
#2	59129.	8816.7	1894.0	4089.2

Zoom In Zoom Out

Sample Name: jb69451-1f Acquired: 6/21/2014 0:52:15 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**-.0003**	**.0005**	**.0009**	**.0003**	**.0002**	**-.0001**
Stddev	.0000	.0001	.0001	.0001	.0001	.0006	.0000	.0001	.0008
%RSD	9.734	79.87	88.42	36.51	10.39	63.51	13.88	77.99	1632.
#1	.0001	-.0001	.0002	-.0002	.0006	.0005	.0003	.0003	.0005
#2	.0001	-.0000	.0001	-.0003	.0005	.0013	.0003	.0001	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0028**	**.0005**	**-.0003**	**-.0009**	**.0010**	**.0004**	**.0079**	**.0484**
Stddev	.0004	.0001	.0000	.0009	.0002	.0008	.0001	.0053	.0012
%RSD	805.6	1.972	.9242	335.8	23.21	85.93	12.45	67.04	2.392
#1	-.0004	.0029	.0005	.0004	-.0007	.0004	.0005	.0117	.0493
#2	.0003	.0028	.0005	-.0009	-.0010	.0015	.0004	.0042	.0476

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0068**	**-.0108**	**.0695**	**.1304**	**.0019**	**.0002**	**-.0009**	**.0509**	**.0007**
Stddev	.0014	.0121	.0070	.0013	.0005	.0000	.0001	.0001	.0000
%RSD	21.18	112.0	10.06	.9646	25.33	18.79	5.756	.1102	6.771
#1	.0078	-.0022	.0646	.1313	.0023	.0002	-.0010	.0509	.0007
#2	.0058	-.0194	.0745	.1295	.0016	.0003	-.0009	.0509	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0001**	**-.0012**	**.0007**	**.0251**	**-.0009**	**.0003**
Stddev	.0000	.0005	.0014	.0003	.0000	.0003	.0007
%RSD	6.170	780.0	116.4	37.41	.0485	32.08	280.4
#1	.0003	.0004	-.0022	.0005	.0251	-.0007	.0008
#2	.0004	-.0003	-.0002	.0009	.0251	-.0011	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57859.**	**8876.4**	**1861.1**	**4016.2**
Stddev	1497.	39.3	4.0	12.0
%RSD	2.5879	.44311	.21706	.29929
#1	58918.	8848.6	1858.2	4007.7
#2	56801.	8904.2	1863.9	4024.7

Zoom In Zoom Out

Sample Name: jb69451-2f Acquired: 6/21/2014 0:58:24 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0743**	**-.0001**	**.0001**	**.0007**	**.0008**	**.0003**	**2.723**	**.0012**	**.0023**
Stddev	.0002	.0000	.0001	.0000	.0004	.0000	.013	.0002	.0002
%RSD	.2587	41.63	68.01	3.635	42.65	1.098	.4765	18.19	7.111
#1	.0745	-.0001	.0001	.0007	.0011	.0003	2.732	.0011	.0024
#2	.0742	-.0001	.0002	.0008	.0006	.0003	2.714	.0014	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0024**	**.0012**	**.0524**	**-.0017**	**.0021**	**.0021**	**.0004**	**.0556**	**87.13**
Stddev	.0000	.0004	.0013	.0011	.0005	.0002	.0007	.0034	.18
%RSD	1.994	32.01	2.393	66.47	22.49	11.40	161.4	6.122	.2093
#1	.0023	.0015	.0515	-.0009	.0018	.0019	-.0001	.0581	87.00
#2	.0024	.0010	.0533	-.0025	.0024	.0023	.0009	.0532	87.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2784**	**66.03**	**4.439**	**69.55**	**.2628**	**.0079**	**.0102**	**9.743**	**-.0013**
Stddev	.0029	.02	.012	.05	.0035	.0000	.0015	.118	.0005
%RSD	1.031	.0354	.2778	.0781	1.328	.0455	14.79	1.214	36.00
#1	.2763	66.01	4.447	69.51	.2652	.0079	.0113	9.827	-.0009
#2	.2804	66.04	4.430	69.59	.2603	.0079	.0091	9.659	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.090**	**.0003**	**.0079**	**.0009**	**60.84**	**-.0023**	**.0309**
Stddev	.001	.0005	.0006	.0000	.71	.0003	.0005
%RSD	.1182	166.1	6.954	1.779	1.174	12.68	1.733
#1	1.089	-.0001	.0075	.0009	61.35	-.0021	.0305
#2	1.091	.0007	.0083	.0009	60.34	-.0025	.0313

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53335.**	**8446.2**	**1680.0**	**3446.5**
Stddev	354.	16.4	17.8	39.0
%RSD	.66381	.19466	1.0586	1.1308
#1	53085.	8457.8	1667.4	3419.0
#2	53586.	8434.5	1692.6	3474.1

Zoom In Zoom Out

Sample Name: jb69451-3f Acquired: 6/21/2014 1:04:30 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0463**	**-.0000**	**.0002**	**.0038**	**.0008**	**-.0010**	**.3178**	**.0009**	**.0028**
Stddev	.0004	.0001	.0001	.0001	.0004	.0001	.0002	.0000	.0003
%RSD	.8537	259.3	64.07	1.815	44.80	13.81	.0675	2.054	11.28
#1	.0460	.0000	.0003	.0038	.0006	-.0011	.3180	.0009	.0030
#2	.0466	-.0001	.0001	.0039	.0011	-.0009	.3177	.0009	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0032**	**.0046**	**-.0005**	**.0017**	**.0014**	**-.0011**	**.0848**	**166.3**
Stddev	.0000	.0000	.0000	.0001	.0001	.0020	.0004	.0010	.7
%RSD	10.70	.5199	.9606	20.33	5.350	137.5	34.94	1.188	.3966
#1	-.0003	.0032	.0045	-.0005	.0016	.0000	-.0013	.0855	165.8
#2	-.0004	.0032	.0046	-.0004	.0018	.0028	-.0008	.0841	166.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.738**	**28.35**	**2.126**	**120.4**	**5.327**	**.0209**	**.0115**	**10.81**	**-.0003**
Stddev	.004	.32	.004	.1	.028	.0004	.0010	.07	.0007
%RSD	.2595	1.143	.1628	.0702	.5222	2.141	8.993	.6385	201.4
#1	1.735	28.13	2.123	120.3	5.307	.0206	.0122	10.76	.0001
#2	1.741	28.58	2.128	120.4	5.347	.0212	.0107	10.86	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.956**	**.0010**	**.0170**	**.0003**	**145.5**	**-.0023**	**.1446**
Stddev	.000	.0001	.0005	.0000	.6	.0009	.0004
%RSD	.0066	9.445	2.941	2.848	.4340	40.27	.2571
#1	2.956	.0009	.0167	.0003	145.1	-.0029	.1444
#2	2.956	.0011	.0174	.0003	146.0	-.0016	.1449

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53630.**	**8582.2**	**1708.2**	**3472.7**
Stddev	77.	16.9	9.2	10.8
%RSD	.14446	.19736	.54064	.31027
#1	53685.	8594.2	1714.7	3480.4
#2	53576.	8570.2	1701.6	3465.1

Zoom In Zoom Out

Sample Name: jb69451-4f Acquired: 6/21/2014 1:10:35 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0238**	**-.0001**	**.0003**	**.0012**	**.0006**	**-.0007**	**1.936**	**.0034**	**.0041**
Stddev	.0014	.0000	.0003	.0001	.0000	.0003	.001	.0003	.0001
%RSD	5.957	48.95	94.56	4.209	7.445	41.90	.0561	7.417	3.280
#1	.0248	-.0001	.0001	.0012	.0007	-.0010	1.937	.0032	.0040
#2	.0228	-.0001	.0005	.0012	.0006	-.0005	1.935	.0036	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0036**	**.0032**	**.0007**	**-.0073**	**.0039**	**.0057**	**.0012**	**.1150**	**354.0**
Stddev	.0001	.0001	.0007	.0012	.0015	.0022	.0005	.0075	18.9
%RSD	2.425	3.816	92.87	15.70	37.90	38.35	37.94	6.487	5.344
#1	.0035	.0033	.0003	-.0065	.0050	.0042	.0015	.1203	367.4
#2	.0037	.0031	.0012	-.0082	.0029	.0073	.0009	.1097	340.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0785**	**89.77**	**7.414**	**185.2**	**.1174**	**.0002**	**.0190**	**14.59**	**-.0012**
Stddev	.0081	4.66	.431	6.9	.0006	.0000	.0011	.02	.0009
%RSD	10.29	5.188	5.813	3.708	.4927	16.76	5.544	.1624	71.36
#1	.0842	93.07	7.719	190.1	.1170	.0002	.0198	14.57	-.0006
#2	.0727	86.48	7.109	180.4	.1178	.0002	.0183	14.60	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.255**	**-.0001**	**.0097**	**.0010**	**362.4**	**-.0044**	**.0932**
Stddev	.079	.0003	.0000	.0001	.9	.0004	.0050
%RSD	6.263	232.0	.4387	7.016	.2536	8.282	5.420
#1	1.311	.0001	.0096	.0009	361.8	-.0042	.0967
#2	1.200	-.0003	.0097	.0010	363.1	-.0047	.0896

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	50651.	8546.0	1590.5	3206.8
Stddev	32.	384.1	3.2	4.2
%RSD	.06274	4.4949	.20272	.13187
#1	50629.	8274.4	1592.8	3209.8
#2	50674.	8817.6	1588.2	3203.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/21/2014 1:16:49 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.968**	**1.929**	**2.047**	**2.050**	**2.031**	**1.961**	**2.053**	**2.080**	**.2408**
Stddev	.071	.071	.007	.006	.004	.006	.004	.008	.0020
%RSD	3.628	3.696	.3219	.2881	.2018	.2914	.2050	.3865	.8434
#1	2.018	1.980	2.052	2.054	2.034	1.965	2.056	2.086	.2422
#2	1.917	1.879	2.042	2.046	2.028	1.957	2.050	2.075	.2393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.099**	**2.044**	**2.130**	**2.091**	**2.055**	**2.049**	**38.05**	**38.43**
Stddev	.006	.006	.009	.011	.005	.000	.006	1.50	1.47
%RSD	.2959	.2649	.4594	.5142	.2208	.0181	.2902	3.955	3.823
#1	2.007	2.103	2.051	2.138	2.094	2.055	2.053	39.12	39.47
#2	1.999	2.095	2.037	2.122	2.087	2.055	2.044	36.99	37.40
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	**37.63**	**37.03**	**37.59**	**38.41**	**2.092**	**2.086**	**1.986**	**5.157**	**2.106**
Stddev	1.44	1.32	1.37	1.44	.008	.005	.011	.020	.001
%RSD	3.824	3.574	3.634	3.750	.3979	.2644	.5601	.3931	.0350
#1	38.64	37.97	38.55	39.43	2.097	2.090	1.994	5.171	2.107
#2	36.61	36.10	36.62	37.39	2.086	2.083	1.978	5.142	2.105
Check ?	Chk Pass	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: 6/21/2014 1:16:49 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.963**	**2.023**	**1.880**	**1.980**	**2.043**	**2.045**	**1.889**
Stddev	.073	.004	.015	.006	.007	.008	.066
%RSD	3.720	.1743	.8016	.2944	.3630	.3746	3.512
#1	2.015	2.026	1.870	1.984	2.048	2.051	1.936
#2	1.912	2.021	1.891	1.976	2.038	2.040	1.842
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	54737.	8776.2	1753.5	3555.8
Stddev	136.	314.3	6.0	12.3
%RSD	.24839	3.5814	.34248	.34499
#1	54641.	8553.9	1749.3	3547.2
#2	54833.	8998.4	1757.7	3564.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 1:22:44 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0003**	**.0003**	**.0008**	**.0007**	**.0005**	**-.0000**
Stddev	.0002	.0000	.0001	.0001	.0004	.0001	.0000	.0002
%RSD	54.45	4.722	17.41	18.69	49.31	10.57	3.338	2611.
#1	.0005	.0003	.0004	.0003	.0011	.0007	.0005	.0002
#2	.0002	.0003	.0003	.0002	.0005	.0006	.0005	-.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	**.0003**	**.0003**	**.0004**	**.0012**	**.0007**	**-.0003**	**.0006**	**-.0010**
Stddev	.0001	.0002	.0002	.0005	.0017	.0000	.0016	.0008
%RSD	28.27	71.59	45.09	40.51	252.6	15.82	280.3	78.36
#1	.0002	.0001	.0005	.0016	.0019	-.0003	.0017	-.0005
#2	.0004	.0004	.0002	.0009	-.0005	-.0002	-.0006	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	**.0139**	W **.0125**	**.0031**	**.0648**	**.0365**	**.0017**	**.0012**
Stddev	.0020	.0017	.0028	.0026	.0062	.0017	.0000	.0002
%RSD	19.95	12.12	22.30	83.27	9.512	4.568	1.495	15.00
#1	.0116	.0151	.0145	.0050	.0605	.0353	.0017	.0014
#2	.0087	.0127	.0106	.0013	.0692	.0376	.0017	.0011
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 1:22:44 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0020**	**.0005**	**.0005**	**.0002**	W **.0226**	W **.0018**	**.0135**
Stddev	.0010	.0001	.0005	.0000	.0004	.0030	.0001	.0004
%RSD	214.1	4.205	109.0	1.239	263.7	13.41	5.065	3.018
#1	.0012	.0021	.0009	.0005	.0004	.0248	.0019	.0138
#2	-.0002	.0020	.0001	.0005	-.0001	.0205	.0017	.0132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0003**	**.0008**
Stddev	.0005	.0002
%RSD	141.1	23.96
#1	.0007	.0007
#2	.0000	.0010
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58017.**	**8676.3**	**1859.2**	**4004.6**
Stddev	36.	112.6	5.8	10.3
%RSD	.06280	1.2974	.31082	.25610
#1	58043.	8596.7	1863.2	4011.9
#2	57991.	8755.9	1855.1	3997.4

Zoom In Zoom Out

Sample Name: jb69451-5f Acquired: 6/21/2014 1:28:55 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0139**	**-.0001**	**.0001**	**.0000**	**.0005**	**.0025**	**.0158**	**.0006**	**-.0001**
Stddev	.0003	.0001	.0001	.0002	.0000	.0000	.0001	.0003	.0008
%RSD	1.808	119.5	116.0	14760.	8.916	.0970	.5559	56.52	1007.
#1	.0140	-.0001	.0002	-.0001	.0005	.0025	.0158	.0003	-.0007
#2	.0137	-.0000	.0000	.0001	.0005	.0025	.0157	.0008	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0044**	**.0014**	**-.0006**	**-.0004**	**.0019**	**-.0007**	**.0197**	**16.36**
Stddev	.0001	.0001	.0014	.0001	.0014	.0014	.0011	.0073	.32
%RSD	94.91	1.332	101.7	23.88	325.9	74.96	158.8	36.89	1.940
#1	-.0002	.0044	.0024	-.0005	-.0014	.0009	-.0015	.0249	16.59
#2	-.0000	.0044	.0004	-.0007	.0006	.0028	.0001	.0146	16.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0933**	**2.393**	**.2916**	**129.3**	**.0133**	**.0008**	**.0004**	**.6056**	**.0007**
Stddev	.0013	.040	.0082	.4	.0004	.0000	.0004	.0059	.0003
%RSD	1.398	1.654	2.808	.3109	2.712	1.938	94.55	.9732	47.10
#1	.0942	2.421	.2974	129.0	.0131	.0008	.0001	.6014	.0009
#2	.0924	2.365	.2858	129.6	.0136	.0009	.0006	.6097	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0419**	**-.0002**	**.0133**	**.0018**	**2.856**	**-.0004**	**.0016**
Stddev	.0008	.0004	.0006	.0001	.028	.0003	.0002
%RSD	1.951	222.2	4.582	3.875	.9671	85.03	9.820
#1	.0425	-.0005	.0138	.0018	2.837	-.0006	.0017
#2	.0413	.0001	.0129	.0017	2.876	-.0002	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53805.**	**8508.5**	**1726.7**	**3528.7**
Stddev	302.	141.2	15.2	26.4
%RSD	.56111	1.6600	.87883	.74738
#1	53591.	8408.7	1737.5	3547.4
#2	54018.	8608.4	1716.0	3510.1

Zoom In Zoom Out

Sample Name: jb69485-1 Acquired: 6/21/2014 1:35:04 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0161**	**-.0000**	**.0000**	**-.0002**	**.0012**	**.0018**	**.0002**	**.0000**	**.0014**
Stddev	.0001	.0001	.0001	.0001	.0000	.0003	.0000	.0001	.0002
%RSD	.3738	1030.	273.7	72.47	1.251	19.16	6.801	157.9	16.91
#1	.0160	-.0001	-.0000	-.0003	.0012	.0015	.0002	-.0000	.0012
#2	.0161	.0000	.0001	-.0001	.0012	.0020	.0002	.0001	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0035**	**.0014**	**.0005**	**.0008**	**-.0004**	**-.0008**	**-.0013**	**1.557**	**32.49**
Stddev	.0002	.0001	.0007	.0007	.0007	.0022	.0005	.002	.13
%RSD	6.306	3.801	143.3	89.31	202.9	270.8	35.96	.1109	.3934
#1	.0033	.0014	.0010	.0013	-.0009	.0007	-.0010	1.556	32.40
#2	.0037	.0014	-.0000	.0003	.0002	-.0023	-.0017	1.558	32.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0571**	**.0573**	**1.542**	**1.294**	**.0088**	**.0005**	**.0059**	**4.963**	**-.0011**
Stddev	.0012	.0146	.018	.001	.0002	.0001	.0006	.002	.0009
%RSD	2.087	25.52	1.167	.0880	2.557	24.96	9.838	.0406	81.99
#1	.0563	.0677	1.529	1.295	.0087	.0004	.0055	4.964	-.0018
#2	.0580	.0470	1.555	1.293	.0090	.0006	.0063	4.962	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0726**	**-.0003**	**.0111**	**.0007**	**2.656**	**-.0003**	**.0043**
Stddev	.0001	.0005	.0004	.0000	.009	.0003	.0002
%RSD	.2022	165.3	3.197	.4878	.3217	101.5	3.709
#1	.0724	-.0007	.0114	.0007	2.650	-.0001	.0044
#2	.0727	.0001	.0109	.0007	2.662	-.0005	.0042

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56602.**	**8752.3**	**1796.2**	**3833.0**
Stddev	97.	56.7	1.2	3.4
%RSD	.17162	.64823	.06431	.08826
#1	56671.	8792.4	1795.4	3835.4
#2	56533.	8712.2	1797.0	3830.6

Zoom In Zoom Out

Sample Name: jb69485-2 Acquired: 6/21/2014 1:41:10 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0372**	**-.0000**	**.0002**	**-.0001**	**.0013**	**.0040**	**.0004**	**.0003**	**.0008**
Stddev	.0005	.0001	.0001	.0001	.0007	.0002	.0000	.0000	.0003
%RSD	1.464	376.3	54.26	117.4	48.92	4.355	4.692	16.64	38.58
#1	.0376	.0000	.0001	-.0000	.0018	.0039	.0004	.0003	.0010
#2	.0368	-.0001	.0003	-.0001	.0009	.0041	.0003	.0002	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0023**	**.0005**	**-.0002**	**-.0004**	**.0029**	**-.0005**	**1.906**	**42.29**
Stddev	.0002	.0002	.0010	.0019	.0003	.0008	.0004	.007	.32
%RSD	11.22	9.777	206.7	792.5	74.92	27.41	82.56	.3657	.7472
#1	.0024	.0024	.0012	-.0016	-.0007	.0035	-.0002	1.901	42.51
#2	.0020	.0021	-.0002	.0011	-.0002	.0023	-.0008	1.911	42.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0270**	**.0308**	**3.127**	**1.964**	**.0102**	**.0004**	**.0036**	**3.913**	**-.0005**
Stddev	.0015	.0583	.005	.003	.0004	.0001	.0001	.018	.0014
%RSD	5.516	189.0	.1468	.1570	3.517	25.31	1.981	.4524	264.4
#1	.0260	.0720	3.130	1.966	.0099	.0004	.0036	3.901	-.0015
#2	.0281	-.0104	3.124	1.962	.0104	.0003	.0035	3.926	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1331**	**-.0000**	**.0066**	**.0006**	**2.091**	**-.0013**	**.0077**
Stddev	.0004	.0002	.0002	.0000	.015	.0008	.0003
%RSD	.2789	1294.	2.274	5.912	.7213	63.62	4.198
#1	.1334	.0001	.0067	.0006	2.080	-.0018	.0079
#2	.1328	-.0002	.0065	.0006	2.101	-.0007	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56431.**	**8965.9**	**1766.3**	**3753.3**
Stddev	39.	57.1	8.4	19.2
%RSD	.06925	.63679	.47763	.51168
#1	56404.	8925.5	1772.3	3766.8
#2	56459.	9006.3	1760.4	3739.7

Zoom In Zoom Out

Sample Name: jb69485-3 Acquired: 6/21/2014 1:47:17 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0481**	**-.0001**	**.0002**	**.0000**	**.0009**	**.0025**	**.0004**	**.0001**	**.0010**
Stddev	.0024	.0000	.0001	.0003	.0002	.0005	.0001	.0001	.0002
%RSD	4.922	20.81	48.09	1690.	22.93	18.80	18.85	62.28	16.57
#1	.0465	-.0001	.0001	-.0002	.0011	.0022	.0003	.0001	.0008
#2	.0498	-.0001	.0003	.0002	.0008	.0028	.0004	.0002	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.0020**	**.0012**	**-.0007**	**.0001**	**-.0008**	**.0000**	**2.126**	**46.86**
Stddev	.0003	.0001	.0011	.0004	.0018	.0003	.0014	.109	2.22
%RSD	18.25	3.294	96.85	64.41	3589.	35.02	4038.	5.140	4.743
#1	.0016	.0020	.0004	-.0010	.0014	-.0006	.0010	2.049	45.28
#2	.0021	.0019	.0020	-.0004	-.0012	-.0009	-.0009	2.204	48.43

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0267**	**.0110**	**3.499**	**3.921**	**.0121**	**.0005**	**.0028**	**3.598**	**.0001**
Stddev	.0016	.0114	.205	.199	.0007	.0003	.0004	.034	.0006
%RSD	6.036	104.3	5.858	5.080	6.006	53.33	13.26	.9325	493.3
#1	.0255	.0029	3.354	3.780	.0116	.0003	.0031	3.574	-.0003
#2	.0278	.0191	3.643	4.062	.0126	.0007	.0025	3.622	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1645**	**.0002**	**.0036**	**.0006**	**3.467**	**-.0004**	**.0080**
Stddev	.0084	.0001	.0002	.0000	.037	.0007	.0003
%RSD	5.103	25.97	6.061	2.652	1.062	150.7	3.834
#1	.1585	.0002	.0037	.0006	3.441	-.0009	.0077
#2	.1704	.0002	.0034	.0006	3.493	.0000	.0082

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56542.**	**8895.0**	**1806.9**	**3819.3**
Stddev	485.	326.0	17.1	27.3
%RSD	.85725	3.6653	.94587	.71572
#1	56884.	9125.5	1819.0	3838.6
#2	56199.	8664.5	1794.8	3800.0

Zoom In Zoom Out

Sample Name: jb69534-6 Acquired: 6/21/2014 1:53:24 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0110**	**.0000**	**.0002**	**.0001**	**.0012**	**.0010**	**.0037**	**.0006**	**.0009**
Stddev	.0003	.0001	.0001	.0003	.0002	.0002	.0000	.0000	.0005
%RSD	3.049	419.6	51.56	355.4	18.48	21.51	.3535	3.985	52.49
#1	.0113	-.0001	.0001	.0003	.0011	.0008	.0037	.0006	.0006
#2	.0108	.0001	.0002	-.0001	.0014	.0011	.0036	.0006	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0013**	**.0014**	**-.0006**	**.0007**	**.0008**	**-.0014**	**.1460**	**.9149**
Stddev	.0001	.0000	.0013	.0005	.0008	.0003	.0011	.0004	.0128
%RSD	50.01	1.912	90.60	73.58	106.1	36.64	79.41	.2848	1.397
#1	.0001	.0014	.0023	-.0009	.0002	.0010	-.0022	.1463	.9240
#2	.0002	.0013	.0005	-.0003	.0012	.0006	-.0006	.1457	.9059

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0962**	**.1789**	**.0975**	**1.612**	**.0115**	**.0001**	**.0031**	**4.349**	**.0025**
Stddev	.0038	.0080	.0045	.011	.0001	.0001	.0007	.014	.0000
%RSD	3.943	4.485	4.583	.6668	.7841	135.8	20.82	.3298	.2513
#1	.0989	.1733	.0943	1.620	.0116	.0001	.0036	4.339	.0025
#2	.0935	.1846	.1006	1.604	.0115	.0000	.0027	4.359	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0012**	**.0109**	**.0013**	**.0017**	**.0084**	**-.0007**	**.0001**
Stddev	.0000	.0001	.0002	.0001	.0014	.0010	.0000
%RSD	1.584	1.326	18.96	4.085	16.22	146.6	5.077
#1	.0012	.0110	.0014	.0018	.0094	.0000	.0001
#2	.0012	.0108	.0011	.0017	.0075	-.0014	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58357.**	**8824.3**	**1821.6**	**3940.1**
Stddev	170.	78.4	3.8	11.1
%RSD	.29196	.88876	.21128	.28054
#1	58477.	8768.9	1824.3	3947.9
#2	58236.	8879.8	1818.9	3932.3

Zoom In Zoom Out

Sample Name: jb69556-8 Acquired: 6/21/2014 1:59:34 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.549**	**.0000**	**.0004**	**.0055**	**.0023**	**.0015**	**.5820**	**.0219**	**.0062**
Stddev	.001	.0001	.0001	.0003	.0004	.0001	.0001	.0001	.0002
%RSD	.0734	193.6	23.20	5.516	18.62	9.176	.0190	.5658	3.905
#1	1.549	-.0000	.0004	.0057	.0026	.0014	.5821	.0218	.0060
#2	1.550	.0001	.0003	.0053	.0020	.0016	.5819	.0220	.0063

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0039**	**.0036**	**.0008**	**.0011**	**.0020**	**-.0011**	**.0570**	**62.53**
Stddev	.0000	.0001	.0005	.0009	.0001	.0007	.0001	.0002	.14
%RSD	2.205	2.591	12.76	114.9	9.325	33.52	12.23	.2998	.2298
#1	.0013	.0038	.0039	.0001	.0010	.0024	-.0010	.0571	62.43
#2	.0013	.0040	.0033	.0014	.0011	.0015	-.0012	.0569	62.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0046**	**35.12**	**3.895**	**21.82**	**.0862**	**.0032**	**.0147**	**15.81**	**-.0018**
Stddev	.0012	.05	.007	.02	.0003	.0002	.0008	.06	.0004
%RSD	25.71	.1318	.1743	.0756	.3319	4.802	5.614	.3801	24.86
#1	.0054	35.08	3.890	21.81	.0864	.0033	.0141	15.86	-.0015
#2	.0038	35.15	3.900	21.83	.0860	.0031	.0153	15.77	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.361**	**.0002**	**.0127**	**.0005**	**.1593**	**-.0015**	**.0476**
Stddev	.001	.0008	.0011	.0001	.0012	.0007	.0006
%RSD	.0988	384.0	8.459	21.84	.7761	44.63	1.265
#1	1.360	.0008	.0119	.0005	.1584	-.0020	.0472
#2	1.362	-.0004	.0134	.0004	.1602	-.0011	.0481

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54996.**	**8830.0**	**1716.9**	**3604.1**
Stddev	286.	16.5	5.3	7.7
%RSD	.51971	.18640	.30704	.21287
#1	54793.	8841.6	1713.2	3598.7
#2	55198.	8818.3	1720.6	3609.5

Zoom In Zoom Out

Sample Name: jb69556-14 Acquired: 6/21/2014 2:05:42 Type: Unk
Method: Accutest1(v281) Mode: CONC 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**	**.0003**	**.0018**	**.0005**	**-.0000**	**.0006**
Stddev	.0000	.0000	.0001	.0003	.0002	.0002	.0000	.0001	.0000
%RSD	7.066	24.56	421.1	247.5	77.70	11.26	8.340	192.1	5.215
#1	.0004	-.0001	-.0000	.0003	.0005	.0020	.0005	-.0001	.0006
#2	.0003	-.0000	.0001	-.0001	.0001	.0017	.0005	.0000	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0012**	**-.0006**	**-.0001**	**-.0001**	**-.0003**	**-.0011**	**.0050**	**.0701**
Stddev	.0001	.0001	.0015	.0009	.0002	.0002	.0001	.0020	.0048
%RSD	28.54	4.587	248.4	720.8	270.3	96.53	13.35	39.29	6.779
#1	-.0005	.0011	-.0016	.0005	-.0002	-.0004	-.0010	.0036	.0734
#2	-.0003	.0012	.0004	-.0007	.0001	-.0001	-.0012	.0064	.0667

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0029**	**-.0264**	**.0388**	**.3277**	**.0024**	**.0001**	**.0002**	**.1789**	**.0008**
Stddev	.0020	.0322	.0049	.0101	.0003	.0001	.0003	.0003	.0001
%RSD	69.31	121.9	12.52	3.089	10.96	85.29	147.5	.1415	10.83
#1	.0044	-.0491	.0354	.3348	.0026	.0000	-.0000	.1787	.0007
#2	.0015	-.0037	.0422	.3205	.0023	.0002	.0005	.1790	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0033**	**.0003**	**.0060**	**-.0002**	**.0012**
Stddev	.0000	.0002	.0007	.0001	.0030	.0006	.0002
%RSD	12.61	41.64	20.01	23.12	49.82	331.9	13.69
#1	.0001	.0005	-.0037	.0002	.0039	-.0006	.0011
#2	.0001	.0003	-.0028	.0003	.0082	.0002	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60113.**	**8914.9**	**1818.6**	**3963.6**
Stddev	1795.	151.7	2.1	5.4
%RSD	2.9866	1.7016	.11722	.13635
#1	58844.	8807.6	1817.1	3959.7
#2	61383.	9022.1	1820.1	3967.4

Zoom In Zoom Out

Sample Name: jb69565-1 Acquired: 6/21/2014 2:11:52 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1053**	**.0000**	**.0008**	**.0000**	**.0030**	**.0014**	**.0064**	**.0006**	**.0020**
Stddev	.0036	.0000	.0001	.0001	.0002	.0002	.0001	.0002	.0003
%RSD	3.454	1682.	6.826	230.1	6.774	15.54	1.435	40.75	12.98
#1	.1078	.0000	.0007	.0001	.0028	.0013	.0063	.0008	.0021
#2	.1027	-.0000	.0008	-.0000	.0031	.0016	.0064	.0004	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0028**	**.0051**	**.0035**	**-.0006**	**.0017**	**.0016**	**-.0010**	**.2132**	**22.04**
Stddev	.0001	.0000	.0000	.0020	.0009	.0005	.0004	.0040	.73
%RSD	3.745	.3861	.4696	345.6	52.43	34.18	40.58	1.879	3.291
#1	.0028	.0051	.0035	.0009	.0023	.0019	-.0013	.2160	22.55
#2	.0027	.0051	.0035	-.0020	.0011	.0012	-.0007	.2103	21.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1929**	**8.476**	**4.404**	**29.33**	**.1048**	**.0056**	**.0074**	**7.528**	**-.0002**
Stddev	.0048	.311	.125	.99	.0003	.0003	.0012	.004	.0002
%RSD	2.470	3.663	2.843	3.368	.3138	5.528	15.79	.0567	76.33
#1	.1963	8.695	4.492	30.03	.1051	.0054	.0065	7.525	-.0003
#2	.1896	8.256	4.315	28.63	.1046	.0059	.0082	7.531	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4133**	**.0073**	**.0041**	**.0008**	**16.22**	**-.0013**	**.0125**
Stddev	.0146	.0005	.0012	.0001	.03	.0003	.0008
%RSD	3.538	6.469	30.26	12.90	.1858	21.06	6.095
#1	.4237	.0070	.0049	.0007	16.20	-.0011	.0130
#2	.4030	.0076	.0032	.0009	16.24	-.0015	.0120

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56659.**	**9099.3**	**1774.1**	**3754.4**
Stddev	56.	248.4	3.5	10.6
%RSD	.09897	2.7297	.19540	.28299
#1	56699.	8923.6	1776.6	3761.9
#2	56619.	9274.9	1771.7	3746.9

Zoom In Zoom Out

Sample Name: jb69565-1f Acquired: 6/21/2014 2:17:58 Type: Unk
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0947**	**.0000**	**.0004**	**-.0001**	**.0030**	**.0019**	**.0003**	**-.0001**	**.0016**
Stddev	.0004	.0000	.0001	.0000	.0001	.0002	.0000	.0002	.0002
%RSD	.4466	13.22	13.78	25.24	4.091	8.090	6.596	137.4	13.85
#1	.0944	.0001	.0003	-.0001	.0031	.0018	.0003	-.0000	.0014
#2	.0950	.0000	.0004	-.0001	.0030	.0020	.0003	-.0002	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0027**	**.0047**	**.0023**	**-.0010**	**.0007**	**.0004**	**-.0007**	**.0454**	**22.28**
Stddev	.0003	.0001	.0003	.0002	.0010	.0015	.0000	.0021	.11
%RSD	11.15	1.550	12.70	18.71	142.2	390.3	1.820	4.700	.4741
#1	.0029	.0047	.0021	-.0009	.0014	-.0007	-.0007	.0439	22.21
#2	.0025	.0046	.0025	-.0012	-.0000	.0014	-.0006	.0469	22.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0010**	**9.085**	**4.650**	**30.03**	**.1053**	**.0058**	**.0071**	**7.530**	**-.0006**
Stddev	.0002	.128	.020	.06	.0001	.0001	.0009	.042	.0002
%RSD	19.68	1.412	.4316	.1844	.0575	1.142	12.43	.5620	37.98
#1	.0011	8.994	4.664	29.99	.1053	.0057	.0077	7.500	-.0005
#2	.0008	9.175	4.636	30.07	.1053	.0058	.0065	7.560	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4149**	**-.0001**	**.0031**	**.0005**	**16.56**	**-.0008**	**.0118**
Stddev	.0000	.0000	.0002	.0002	.07	.0003	.0007
%RSD	.0008	66.29	6.400	45.36	.4120	41.28	5.725
#1	.4149	-.0000	.0033	.0006	16.51	-.0010	.0123
#2	.4149	-.0001	.0030	.0003	16.61	-.0005	.0114

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56445.**	**9018.2**	**1745.5**	**3709.5**
Stddev	11.	40.3	9.6	15.7
%RSD	.01902	.44648	.55010	.42317
#1	56453.	9046.7	1752.3	3720.6
#2	56438.	8989.7	1738.7	3698.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/21/2014 2:24:06 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.968**	**1.907**	**2.058**	**2.061**	**2.020**	**1.963**	**2.074**	**2.060**	**.2416**
Stddev	.107	.105	.027	.030	.115	.117	.117	.029	.0144
%RSD	5.438	5.528	1.323	1.439	5.694	5.937	5.614	1.417	5.959
#1	1.892	1.833	2.077	2.082	1.939	1.881	1.992	2.081	.2314
#2	2.043	1.982	2.038	2.040	2.101	2.045	2.157	2.040	.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	**1.999**	**2.101**	**2.113**	**2.138**	**2.056**	**2.146**	**2.066**	**36.73**	**37.64**
Stddev	.120	.027	.029	.025	.030	.022	.023	1.97	2.01
%RSD	6.024	1.272	1.349	1.181	1.472	1.006	1.124	5.374	5.340
#1	1.914	2.120	2.133	2.156	2.078	2.162	2.082	35.34	36.22
#2	2.084	2.082	2.093	2.120	2.035	2.131	2.050	38.13	39.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.79**	**36.45**	**37.34**	**37.53**	**2.110**	**2.132**	**1.997**	**5.203**	**2.102**
Stddev	2.04	2.03	1.96	2.01	.023	.024	.112	.070	.030
%RSD	5.549	5.560	5.237	5.344	1.085	1.139	5.625	1.344	1.435
#1	35.35	35.02	35.96	36.11	2.126	2.149	1.917	5.252	2.123
#2	38.23	37.89	38.73	38.95	2.094	2.115	2.076	5.153	2.080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/21/2014 2:24:06 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.922**	**2.040**	**1.907**	**1.952**	**2.063**	**2.091**	**1.891**
Stddev	.104	.115	.006	.117	.023	.023	.104
%RSD	5.402	5.653	.3073	5.968	1.102	1.118	5.487
#1	1.849	1.958	1.911	1.870	2.079	2.108	1.818
#2	1.996	2.121	1.903	2.035	2.047	2.075	1.965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54536.**	**9017.8**	**1705.8**	**3490.7**
Stddev	2724.	398.0	17.1	39.5
%RSD	4.9951	4.4135	1.0047	1.1324
#1	56463.	9299.2	1693.7	3462.7
#2	52610.	8736.4	1717.9	3518.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 2:30:00 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**.0004**	**.0004**	**.0007**	**.0012**	**.0005**	**.0002**
Stddev	.0000	.0001	.0000	.0001	.0003	.0002	.0000	.0001
%RSD	15.64	20.90	11.71	16.65	45.73	15.09	4.584	52.50
#1	.0002	.0003	.0004	.0004	.0009	.0010	.0005	.0002
#2	.0002	.0004	.0004	.0003	.0005	.0013	.0005	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0001**	**.0006**	**.0014**	**.0002**	**.0000**	**-.0014**	**-.0006**
Stddev	.0000	.0004	.0000	.0001	.0010	.0014	.0010	.0011
%RSD	12.13	254.6	5.807	10.55	416.1	803000.	68.78	206.0
#1	.0003	-.0001	.0006	.0015	-.0005	-.0010	-.0007	-.0014
#2	.0004	.0004	.0005	.0013	.0010	.0010	-.0021	.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	**.0059**	**.0154**	W **.0124**	**.0044**	**.0601**	**.0238**	**.0009**	**.0013**
Stddev	.0039	.0036	.0051	.0219	.0262	.0017	.0003	.0001
%RSD	65.21	23.44	41.37	494.8	43.60	7.268	38.34	6.057
#1	.0086	.0128	.0160	-.0111	.0786	.0226	.0007	.0014
#2	.0032	.0179	.0087	.0199	.0416	.0250	.0011	.0013
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 2:30:00 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0016**	**.0015**	**.0004**	**.0002**	W **.0224**	W **.0018**	**.0038**
Stddev	.0008	.0006	.0006	.0000	.0003	.0013	.0001	.0033
%RSD	1268.	36.57	41.31	2.604	129.5	5.735	7.117	86.32
#1	-.0006	.0012	.0020	.0004	.0000	.0233	.0017	.0061
#2	.0005	.0020	.0011	.0004	.0004	.0215	.0019	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0010**	**.0005**
Stddev	.0008	.0001
%RSD	79.27	29.52
#1	.0005	.0004
#2	.0016	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58437.**	**8957.3**	**1822.2**	**3961.5**
Stddev	126.	19.3	1.5	2.4
%RSD	.21567	.21559	.08234	.06104
#1	58348.	8970.9	1821.1	3963.2
#2	58526.	8943.6	1823.2	3959.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/21/2014 2:36:11 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2091**	**.0023**	**.0036**	**.0532**	**.0117**	**.0112**	**.0166**	**.0106**	**.0053**
Stddev	.0018	.0001	.0003	.0001	.0004	.0001	.0005	.0002	.0002
%RSD	.8449	2.382	8.112	.2695	3.059	1.126	2.722	1.958	3.448
#1	.2104	.0023	.0038	.0531	.0114	.0112	.0163	.0107	.0054
#2	.2079	.0022	.0034	.0533	.0119	.0113	.0169	.0104	.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0539**	**.0247**	**.0100**	**.0119**	**.0026**	**.0129**	**.0060**	**.1986**	**4.871**
Stddev	.0017	.0002	.0010	.0002	.0001	.0006	.0001	.0008	.033
%RSD	3.155	.6433	9.930	1.591	3.645	4.547	2.065	.3781	.6745
#1	.0527	.0246	.0106	.0120	.0026	.0125	.0061	.1991	4.894
#2	.0551	.0248	.0093	.0117	.0025	.0133	.0059	.1981	4.848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1064**	**4.718**	**4.856**	**4.933**	**.1102**	**.0232**	**.0554**	**.2193**	**.0113**
Stddev	.0035	.075	.001	.028	.0003	.0002	.0041	.0018	.0000
%RSD	3.297	1.594	.0288	.5720	.2298	.6579	7.329	.7997	.0682
#1	.1089	4.665	4.855	4.953	.1103	.0233	.0526	.2181	.0113
#2	.1040	4.771	4.857	4.913	.1100	.0231	.0583	.2206	.0113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/21/2014 2:36:11 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0108**	**.0640**	**.0112**	**.0541**	**.0230**	**.0205**
Stddev	.0001	.0002	.0005	.0003	.0002	.0009	.0002
%RSD	1.362	1.498	.8294	2.538	.3713	3.746	1.084
#1	.0108	.0110	.0644	.0110	.0540	.0224	.0207
#2	.0106	.0107	.0636	.0114	.0543	.0236	.0204
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	**56874.**	**8955.5**	**1755.2**	**3778.0**
Stddev	1139.	19.3	2.7	4.7
%RSD	2.0029	.21532	.15130	.12535
#1	57680.	8941.9	1757.1	3781.4
#2	56069.	8969.2	1753.4	3774.7

Zoom In Zoom Out

Sample Name: crid Acquired: 6/21/2014 2:42:19 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0012**	**.0030**	**.0024**	F **.0030**	**.0032**	**.0046**
Stddev	.0001	.0000	.0002	.0001	.0002	.0000	.0000	.0002
%RSD	3.177	4.158	19.92	2.977	9.161	1.154	.0187	3.593
#1	.0040	.0011	.0010	.0031	.0026	.0030	.0032	.0045
#2	.0042	.0010	.0013	.0029	.0023	.0031	.0032	.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	**.0010**	**.0017**	**.0120**	**.0031**	**.0019**	**.0030**	**.0053**	**.0029**
Stddev	.0006	.0001	.0001	.0009	.0001	.0001	.0026	.0002
%RSD	57.78	3.311	1.027	29.78	4.026	4.215	48.90	7.143
#1	.0014	.0017	.0121	.0037	.0018	.0031	.0035	.0030
#2	.0006	.0017	.0119	.0024	.0019	.0029	.0072	.0027
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	**.0931**	**1.010**	**.0033**	**.0868**	**2.012**	**1.013**	**.0107**	**.0003**
Stddev	.0033	.002	.0005	.0637	.007	.000	.0004	.0001
%RSD	3.566	.1963	15.49	73.36	.3628	.0086	3.744	44.37
#1	.0954	1.009	.0037	.1318	2.007	1.013	.0104	.0002
#2	.0907	1.011	.0030	.0418	2.017	1.014	.0109	.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: 6/21/2014 2:42:19 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**-.0006**	**.0001**	**.0001**	**-.0005**	**.0036**	F **.0005**	**.0035**
Stddev	.0006	.0010	.0001	.0000	.0002	.0002	.0000	.0005
%RSD	31.00	156.1	95.80	44.15	42.14	4.725	7.378	14.14
#1	-.0014	.0001	.0000	.0001	-.0004	.0037	.0005	.0039
#2	-.0022	-.0013	.0002	.0001	-.0007	.0035	.0005	.0032
Check ?	None	None	None	None	None	Chk Pass	Chk Fail	Chk Pass
Value							.0040	
Range							-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0000**	F **.0000**
Stddev	.0002	.0000
%RSD	2530.	103.2
#1	-.0001	.0000
#2	.0001	.0001
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58678.**	**9007.3**	**1821.2**	**3947.8**
Stddev	111.	59.6	3.7	9.4
%RSD	.18886	.66192	.20477	.23855
#1	58600.	9049.5	1823.8	3954.4
#2	58756.	8965.2	1818.6	3941.1

Zoom In Zoom Out

Sample Name: cria Acquired: 6/21/2014 2:48:31 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**.0000**	**.0002**	**.0005**	**.0007**	**.0000**	**.0000**	**-.0000**
Stddev	.0001	.0001	.0000	.0000	.0003	.0004	.0001	.0002	.0004
%RSD	99.62	1357.	79.92	4.249	54.76	49.57	152.6	4232.	5507.
#1	-.0001	.0001	.0001	.0002	.0003	.0010	.0001	-.0001	-.0003
#2	-.0000	-.0001	.0000	.0002	.0007	.0005	-.0000	.0001	.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	**-.0005**	**.0003**	**.0217**	**.0000**	**.0202**	**.0220**	**.0195**	**.4727**	**.0061**
Stddev	.0002	.0000	.0006	.0015	.0005	.0004	.0007	.0159	.0023
%RSD	43.18	12.74	2.646	2969.	2.583	1.600	3.761	3.355	38.02
#1	-.0006	.0003	.0221	-.0010	.0206	.0218	.0190	.4615	.0044
#2	-.0003	.0002	.0213	.0011	.0199	.0223	.0200	.4839	.0077
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	**.4946**	**.0050**	**.0239**	**.0088**	**.0003**	**.0001**	**-.0005**	**-.0018**	**.0004**
Stddev	.0100	.0805	.0037	.0012	.0005	.0000	.0004	.0001	.0002
%RSD	2.032	1598.	15.64	14.13	151.5	39.41	80.28	7.286	51.22
#1	.4875	-.0519	.0265	.0079	.0007	.0001	-.0002	-.0017	.0003
#2	.5017	.0620	.0213	.0097	-.0000	.0001	-.0007	-.0019	.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/21/2014 2:48:31 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0000**	**-.0008**	**.0006**	**.0013**	**.0005**	**-.0008**
Stddev	.0001	.0005	.0000	.0001	.0013	.0008	.0009
%RSD	170.0	3103.	5.117	21.10	103.7	142.7	123.3
#1	-.0000	-.0004	-.0008	.0006	.0003	.0011	-.0001
#2	.0001	.0004	-.0007	.0005	.0022	-.0000	-.0014
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57477.**	**9066.5**	**1809.9**	**3940.3**
Stddev	279.	252.4	.3	16.3
%RSD	.48543	2.7840	.01775	.41414
#1	57280.	9244.9	1810.1	3951.8
#2	57675.	8888.0	1809.7	3928.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/21/2014 2:54:43 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.073**	**1.974**	**2.054**	**2.046**	**2.018**	**1.970**	**2.096**	**2.033**	**.2430**
Stddev	.005	.001	.001	.002	.006	.007	.004	.002	.0001
%RSD	.2551	.0715	.0584	.1138	.3157	.3802	.2135	.0768	.0403
#1	2.077	1.975	2.054	2.047	2.023	1.965	2.099	2.034	.2429
#2	2.069	1.973	2.055	2.044	2.014	1.976	2.093	2.032	.2430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.984**	**2.072**	**2.113**	**2.118**	**2.024**	**2.150**	**2.059**	**37.94**	**38.75**
Stddev	.001	.004	.003	.004	.002	.000	.001	.09	.06
%RSD	.0449	.2042	.1176	.2057	.1176	.0175	.0647	.2278	.1622
#1	1.985	2.075	2.115	2.115	2.022	2.150	2.058	38.00	38.71
#2	1.983	2.069	2.112	2.121	2.026	2.151	2.060	37.88	38.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.90**	**37.60**	**38.79**	**38.89**	**2.107**	**2.138**	**2.016**	**5.134**	**2.079**
Stddev	.01	.05	.14	.14	.005	.001	.003	.001	.003
%RSD	.0191	.1248	.3693	.3603	.2547	.0598	.1403	.0199	.1525
#1	37.89	37.57	38.89	38.99	2.104	2.139	2.014	5.134	2.081
#2	37.90	37.63	38.69	38.79	2.111	2.137	2.018	5.135	2.076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/21/2014 2:54:43 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**2.059**	**1.937**	**1.949**	**2.048**	**2.088**	**1.990**
Stddev	.006	.001	.024	.002	.008	.000	.001
%RSD	.3123	.0482	1.249	.0755	.3707	.0028	.0455
#1	2.011	2.058	1.919	1.950	2.042	2.088	1.990
#2	2.002	2.060	1.954	1.948	2.053	2.088	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	**54591.**	**8877.6**	**1696.2**	**3493.5**
Stddev	105.	3.8	1.6	3.5
%RSD	.19179	.04232	.09346	.10100
#1	54517.	8875.0	1697.3	3496.0
#2	54665.	8880.3	1695.1	3491.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 3:00:38 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**.0003**	**.0002**	**.0004**	**.0010**	**.0001**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0004	.0000	.0001	.0001
%RSD	82.92	9.017	14.41	49.00	104.0	2.226	67.88	103.5
#1	-.0001	.0001	.0002	.0001	.0001	.0010	.0001	.0000
#2	-.0000	.0002	.0003	.0003	.0007	.0010	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**.0003**	**.0013**	**-.0001**	**-.0004**	**-.0012**	**-.0014**
Stddev	.0000	.0001	.0000	.0002	.0003	.0001	.0007	.0001
%RSD	13.65	50.59	15.72	17.85	303.3	19.90	56.17	10.15
#1	.0002	-.0001	.0003	.0012	.0001	-.0005	-.0017	-.0013
#2	.0002	-.0002	.0003	.0015	-.0003	-.0004	-.0007	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0091**	**.0062**	**-.0014**	**.0450**	**.0147**	**.0008**	**.0011**
Stddev	.0004	.0006	.0012	.0260	.0035	.0030	.0005	.0002
%RSD	19.50	6.681	18.82	1865.	7.686	20.33	61.97	18.37
#1	.0016	.0086	.0070	.0170	.0426	.0168	.0004	.0012
#2	.0021	.0095	.0054	-.0198	.0475	.0126	.0011	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 3:00:38 Type: QC
Method: Accutest1(v281) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0006**	**.0010**	**.0003**	**.0002**	W **.0265**	W **.0016**	**.0016**
Stddev	.0013	.0000	.0003	.0000	.0000	.0018	.0001	.0000
%RSD	210.3	5.675	32.22	11.63	5.065	6.696	6.620	.3957
#1	-.0003	-.0006	.0012	.0002	.0001	.0277	.0017	.0016
#2	.0015	-.0006	.0007	.0003	.0002	.0252	.0015	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0006**	**.0000**
Stddev	.0003	.0001
%RSD	46.36	578.7
#1	.0004	.0001
#2	.0008	-.0001
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58470.**	**9103.0**	**1810.9**	**3956.6**
Stddev	426.	62.6	10.0	16.7
%RSD	.72859	.68755	.55405	.42084
#1	58772.	9147.3	1818.0	3968.3
#2	58169.	9058.7	1803.8	3944.8

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	0.001600	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000800	0.000000	No
			Mn	0.000022	0.000000	No
			Ba	-0.000000	0.000000	No
			Co	-0.000004	0.000000	No
			Ni	-0.000050	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.000008	0.000000	No
Cd 228.802 {448}	☒	14	As	0.010000	0.000000	No
			Ni	0.000116	0.000000	No
			Fe	0.000010	0.000000	No
			V	0.000161	0.000000	No
			Ba	0.000046	0.000000	No
			Co	-0.004524	0.000000	No
			Sr	-0.000006	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000013	0.000000	No
			Cr	-0.000010	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000276	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	-0.000200	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001100	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001659	0.000000	No
			Ba	-0.000009	0.000000	No
			W	0.000160	0.000000	No
			Cd	0.000012	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	-0.000130	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.000000	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	0.000000	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	0.000013	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	20	Cr	0.000040	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000456	0.000000	No
			Ti	-0.000121	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	-0.000095	0.000000	No
				Al	0.000003	0.000000	No
				Sn	-0.000497	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000858	0.000000	No
				Zr	-0.000330	0.000000	No
				Si	0.000080	0.000000	No
				Mn	-0.000080	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000008	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000002	0.000000	No
				Sb	0.000370	0.000000	No
				Mg	0.000006	0.000000	No
				Ca	0.000007	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	☒	9	Fe	-0.000134	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000012	0.000000	No
				As	0.000001	0.000000	No
				Ca	-0.000005	0.000000	No
				Al	-0.000001	0.000000	No
				Ni	0.000028	0.000000	No
				Mo	-0.000100	0.000000	No
				Cr	-0.000110	0.000000	No
	Ni 231.604 {446}	☒	17	Fe	0.000028	0.000000	No
				Zn	-0.000021	0.000000	No
				Be	-0.000112	0.000000	No
				Co	-0.000278	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000004	0.000000	No
				Mo	-0.000030	0.000000	No
				V	-0.000032	0.000000	No
				Cu	0.000100	0.000000	No
				Se	0.000286	0.000000	No
				Al	-0.000003	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	☒	15	Mn	0.000100	0.000000	No
				Mo	-0.000136	0.000000	No
				Ti	-0.000486	0.000000	No
				Fe	-0.000605	0.000000	No
				V	0.000000	0.000000	No
				Zn	-0.001680	0.000000	No
				Ca	-0.000010	0.000000	No
				Al	-0.000003	0.000000	No
				Sr	-0.000008	0.000000	No
				Mg	-0.000002	0.000000	No
				Ba	-0.001848	0.000000	No
				Cr	-0.000057	0.000000	No
				Si	-0.000176	0.000000	No
				Zr	0.005200	0.000000	No
				W	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
				Mo	-0.011200	0.000000	No
				Fe	0.000026	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.002120	0.000000	No
				Mn	-0.000513	0.000000	No
	Zn 206.200 {464}	☒	17	Cr	-0.000597	0.000000	No
				Mo	0.000444	0.000000	No
				Fe	0.000009	0.000000	No
				Al	0.000006	0.000000	No
				Si	-0.000035	0.000000	No
				Ba	0.000108	0.000000	No
				Na	0.000003	0.000000	No
				Ca	-0.000008	0.000000	No
				Sr	-0.000033	0.000000	No
				Sn	0.000069	0.000000	No
				Cu	0.000456	0.000000	No
				As	0.000200	0.000000	No
				Be	0.000071	0.000000	No
				Pd	0.000280	0.000000	No
				Bi	-0.001400	0.000000	No
				W	0.000000	0.000000	No
				Mn	0.000400	0.000000	No
	As 189.042 {478}	☒	24	Al	0.000006	0.000000	No
				Fe	-0.000024	0.000000	No
				Ca	-0.000008	0.000000	No
				Mn	-0.000205	0.000000	No
				Mo	0.002030	0.000000	No
				Cr	0.001000	0.000000	No
				V	-0.000094	0.000000	No
				Co	-0.000905	0.000000	No
				Ba	0.000001	0.000000	No
				W	0.020000	0.000000	No
				Sn	-0.000037	0.000000	No
				Cd	-0.000194	0.000000	No
				Tl	-0.000370	0.000000	No
				Be	0.000173	0.000000	No
				Mg	0.000004	0.000000	No
				Si	-0.000147	0.000000	No
				Zn	0.000100	0.000000	No
				Sr	-0.000300	0.000000	No
				Pd	0.025000	0.000000	No
				Zr	-0.001900	0.000000	No
				Ti	-0.000100	0.000000	No
				S	0.000008	0.000000	No
				Cu	0.000200	0.000000	No
				K	0.000000	0.000000	No
	Tl 190.856 {477}	☒	26	Cr	0.000450	0.000000	No
				Mo	-0.008120	0.000000	No
				Al	-0.000004	0.000000	No
				Fe	-0.000073	0.000000	No
				V	0.001600	0.000000	No
				Mn	0.000190	0.000000	No
				Si	-0.000073	0.000000	No
				Ca	0.000003	0.000000	No
				Ti	-0.000190	0.000000	No
				Mg	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002336	0.000000	No
				Sr	-0.000030	0.000000	No
				B	-0.000200	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	-0.000120	0.000000	No
				As	-0.000045	0.000000	No
				Ni	0.000000	0.000000	No
				Cu	0.000097	0.000000	No
				Zr	-0.000200	0.000000	No
				Pd	0.000051	0.000000	No
				Pb	0.000035	0.000000	No
				S	0.000015	0.000000	No
				W	0.000000	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
	Pb 220.353 {453}	☒	24	Al	-0.000093	0.000000	No
				Fe	0.000051	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	0.000047	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002020	0.000000	No
				Cu	0.000304	0.000000	No
				V	-0.000038	0.000000	No
				Co	-0.000447	0.000000	No
				Ti	-0.000050	0.000000	No
				Si	-0.000060	0.000000	No
				Ba	-0.000012	0.000000	No
				Sb	-0.000200	0.000000	No
				Sr	-0.000043	0.000000	No
				W	0.015000	0.000000	No
				Mg	0.000000	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000166	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000435	0.000000	No
				Ni	0.000299	0.000000	No
				S	-0.000006	0.000000	No
				Se	0.000096	0.000000	No
				K	0.000000	0.000000	No
	Se 196.090 {472}	☒	24	Al	0.000001	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000265	0.000000	No
				Mo	0.000287	0.000000	No
				Fe	-0.000295	0.000000	No
				Co	0.000055	0.000000	No
				V	0.000470	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No
				Si	-0.000190	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	0.000000	0.000000	No
				Pd	0.000300	0.000000	No
				Ti	-0.000429	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	0.000000	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	0.000200	0.000000	No
			W	0.040000	0.000000	No
			K	0.000000	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000025	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.001557	0.000000	No
			Cr	0.013700	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000200	0.000000	No
			Ti	0.000854	0.000000	No
			Sn	-0.012177	0.000000	No
			W	0.000000	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000260	0.000000	No
			Sr	0.000151	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.032500	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	-0.000017	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	0.001320	0.000000	No
			Tl	-0.002580	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	-0.000025	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.045250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.002000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027000	0.000000	No
Mo 202.030 {467}	☒	5	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000067	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.019800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000022	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.021300	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.059500	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000001	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.002660	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.003073	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No
			Si	0.000131	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	-0.000000	0.000000	No
			Ca	0.000043	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
				Mo	0.000870	0.000000	No
				Si	0.000035	0.000000	No
				Ca	0.000005	0.000000	No
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Y 224.306 {451}*	☒	None				
	In 230.606 {446}*	☒	None				
	W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
				Si	-0.000900	0.000000	No
				Ca	0.000000	0.000000	No
				Fe	-0.000007	0.000000	No
				As	-0.002300	0.000000	No
				Mg	-0.000006	0.000000	No
				Mn	-0.000110	0.000000	No
				Mo	-0.000300	0.000000	No
				Ti	0.000080	0.000000	No
				Sr	-0.000850	0.000000	No
				V	-0.000140	0.000000	No
				Cd	-0.000650	0.000000	No
				Cr	-0.000390	0.000000	No
				Zn	0.009921	0.000000	No
				Pd	-0.002900	0.000000	No
				Sn	0.001300	0.000000	No
				Zr	-0.002570	0.000000	No
				B	-0.001000	0.000000	No
				Sb	-0.003000	0.000000	No
				Co	0.000041	0.000000	No
				Ni	-0.000263	0.000000	No
				Be	-0.000130	0.000000	No
				Se	-0.002600	0.000000	No
				Cu	-0.000118	0.000000	No
				Ba	-0.000090	0.000000	No
				Tl	-0.000110	0.000000	No
	Zr 339.198 { 99}	☒	7	Mo	0.000250	0.000000	No
				Ti	0.000090	0.000000	No
				Fe	-0.000060	0.000000	No
				Si	0.000000	0.000000	No
				S	-0.000001	0.000000	No
				Pd	0.000200	0.000000	No
				W	0.000000	0.000000	No
	S 182.034 {485}	☒	6	Ca	0.000085	0.000000	No
				Mo	0.000114	0.000000	No
				Al	-0.000005	0.000000	No
				Fe	0.000012	0.000000	No
				Mn	0.002300	0.000000	No
				Zn	-0.001538	0.000000	No
	Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
				Co	-0.002200	0.000000	No
				Ca	0.000007	0.000000	No
				Mg	0.000018	0.000000	No
				W	-0.003914	0.000000	No
				Cu	-0.000858	0.000000	No
				Fe	0.000065	0.000000	No
				Cr	0.001500	0.000000	No
				Ti	-0.006467	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Li 670.784 { 50}	☒	None				

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.007158	2.869537	0.000000	1.000000
	Be 313.042 {108}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000197	1.626857	0.000000	1.000000
	Cd 228.802 {448}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000513	1.069685	0.000000	1.000000
	Co 228.616 {448}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000015	0.529212	0.000000	1.000000
	Cr 267.716 {126}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000006	0.081685	0.000000	1.000000
	Cu 324.754 {104}2	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.002334	0.224704	0.000000	1.000000
	Mn 257.610 {131}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000016	0.437498	0.000000	1.000000
	Ni 231.604 {446}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000087	0.375102	0.000000	1.000000
	Ag 328.068 {103}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000141	0.122145	0.000000	1.000000
	V 292.402 {115}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000051	0.102752	0.000000	1.000000
	Zn 206.200 {464}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000460	0.942029	0.000000	1.000000
	As 189.042 {478}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000248	0.106568	0.000000	1.000000
	Tl 190.856 {477}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000051	0.056098	0.000000	1.000000
	Pb 220.353 {453}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000095	0.149977	0.000000	1.000000
	Se 196.090 {472}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000498	0.081381	0.000000	1.000000
	Sb 206.833 {463}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000249	0.205465	0.000000	1.000000
	Al 396.152 { 85}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000162	0.042242	0.000000	1.000000
	Ca 317.933 {106}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.002723	0.041107	0.000000	1.000000
	Fe 259.940 {130}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000048	0.026760	0.000000	1.000000
	Mg 279.079 {121}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000028	0.003253	0.000000	1.000000
	K 766.490 { 44}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000754	0.068133	0.000000	1.000000
	Na 589.592 { 57}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.002086	0.217986	0.000000	1.000000
	B 208.959 {462}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000571	0.261227	0.000000	1.000000
	Mo 202.030 {467}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000321	0.889780	0.000000	1.000000
	Pd 340.458 { 99}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000162	0.044727	0.000000	1.000000
	Si 212.412 {459}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.003793	0.278627	0.000000	1.000000
	Sn 189.989 {478}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.000052	0.162835	0.000000	1.000000
	Sr 407.771 { 83}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.001060	5.339692	0.000000	1.000000
	Ti 334.904 {101}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000110	0.118634	0.000000	1.000000
	Y 360.073 { 94}*	6/23/2014 9:55:17	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	6/23/2014 9:55:17	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	6/23/2014 9:55:17	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	6/23/2014 9:55:17	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.004786	0.394399	0.000000	1.000000
	Zr 339.198 { 99}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000150	0.276063	0.000000	1.000000
	S 182.034 {485}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.001927	0.054662	0.000000	1.000000
	Bi 223.061 {451}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	-0.000349	0.278980	0.000000	1.000000
	Li 670.784 { 50}	6/23/2014 9:55:17	6/20/2014 11:34:38	Linear	1/Conc	0.001722	1.501392	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	0.000190	0.000632	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000114	0.000379	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000186	0.000619	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000269	0.000897	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000489	0.001629	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000400	0.001335	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000080	0.000267	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000329	0.001097	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000616	0.002052	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000443	0.001478	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000193	0.000645	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001348	0.004494	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001388	0.004628	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001203	0.004009	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002288	0.007626	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001165	0.003883	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.010147	0.033823	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004831	0.016105	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.004184	0.013946	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.041276	0.137586	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.020833	0.069442	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.005585	0.018616	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000638	0.002127	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000235	0.000783	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001513	0.005043	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000854	0.002846	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000894	0.002980	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000077	0.000255	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000569	0.001897	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	0.001026	0.003421	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000236	0.000787	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002907	0.009691	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001078	0.003595	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000870	0.002901	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/23/2014 12:38:14 Type: Cal
Method: Accutest1(v289) 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	**.0034**	**.0006**	**.0004**	**-.0000**	**.0000**	**.0023**	**.0000**	**-.0000**	**-.0002**
Stddev	.0005	.0000	.0001	.0000	.0000	.0001	.0000	.0001	.0001
%RSD	14.03	4.272	12.80	868.9	125.3	3.600	44.58	402.1	51.30
#1	.0031	.0006	.0005	.0000	.0000	.0022	.0000	.0000	-.0002
#2	.0037	.0005	.0004	-.0000	.0000	.0023	.0001	-.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0002**	**-.0000**	**-.0001**	**.0004**	**.0003**	**-.0003**	**.0005**	**.0060**
Stddev	.0000	.0000	.0000	.0000	.0001	.0001	.0003	.0000	.0000
%RSD	941.5	9.956	.5994	41.18	13.01	21.01	83.24	3.307	.7348
#1	-.0000	.0002	-.0000	-.0000	.0004	.0003	-.0005	.0006	.0060
#2	.0000	.0002	-.0000	-.0001	.0004	.0004	-.0001	.0005	.0059

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0001**	**-.0019**	**.0072**	**.0006**	**.0005**	**-.0002**	**.0042**	**.0001**
Stddev	.0000	.0001	.0001	.0001	.0000	.0001	.0000	.0000	.0002
%RSD	9.769	98.25	7.391	1.815	6.821	29.08	15.02	1.152	270.2
#1	.0001	-.0000	-.0018	.0073	.0007	.0006	-.0002	.0042	.0002
#2	.0001	-.0001	-.0020	.0071	.0006	.0004	-.0002	.0042	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0001**	**.0053**	**-.0000**	**.0014**	**-.0002**	**-.0005**
Stddev	.0003	.0000	.0001	.0000	.0002	.0001	.0003
%RSD	137.8	32.84	2.604	44.18	14.44	50.80	63.68
#1	-.0000	-.0001	.0052	-.0000	.0016	-.0003	-.0008
#2	-.0004	-.0001	.0053	-.0000	.0013	-.0001	-.0003

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/23/2014 12:38:14 Type: Cal
Method: Accutest1(v289) 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	**62901.**	**12474.**	**2097.4**	**4386.3**
Stddev	85.	55.	7.8	9.0
%RSD	.13507	.44441	.37403	.20494
#1	62961.	12435.	2103.0	4392.7
#2	62841.	12513.	2091.9	4380.0

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/23/2014 12:44:22 Type: Cal
Method: Accutest1(v289) 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	**9.509**	**7.716**	**3.843**	**2.011**	**.3017**	**.8020**	**1.658**	**1.427**	**.0492**
Stddev	.013	.008	.010	.001	.0004	.0005	.003	.001	.0001
%RSD	.1364	.1005	.2501	.0391	.1332	.0630	.1545	.0357	.1197
#1	9.500	7.721	3.836	2.012	.3020	.8024	1.660	1.427	.0492
#2	9.519	7.710	3.849	2.011	.3015	.8017	1.656	1.427	.0491

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	**.3626**	**3.468**	**.3875**	**.1952**	**.5777**	**.2885**	**.7286**	**3.300**	**3.431**
Stddev	.0009	.007	.0012	.0002	.0010	.0004	.0025	.005	.007
%RSD	.2460	.2157	.2974	.0942	.1786	.1308	.3384	.1676	.2189
#1	.3633	3.473	.3867	.1951	.5784	.2882	.7269	3.297	3.436
#2	.3620	3.463	.3883	.1953	.5769	.2888	.7304	3.304	3.425

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	**2.961**	**.3717**	**4.266**	**15.35**	**.9438**	**3.205**	**.1546**	**2.538**	**.5825**
Stddev	.000	.0009	.010	.00	.0030	.008	.0001	.010	.0005
%RSD	.0073	.2419	.2241	.0315	.3153	.2386	.0544	.3776	.0906
#1	2.961	.3711	4.259	15.34	.9417	3.200	.1545	2.532	.5821
#2	2.962	.3723	4.272	15.35	.9459	3.210	.1546	2.545	.5829

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17.98**	**.4375**	**1.357**	**.9892**	**.1907**	**.9735**	**5.615**
Stddev	.03	.0002	.017	.0001	.0007	.0039	.007
%RSD	.1397	.0550	1.271	.0112	.3674	.3978	.1178
#1	18.00	.4376	1.345	.9891	.1902	.9708	5.610
#2	17.97	.4373	1.369	.9893	.1912	.9763	5.619

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/23/2014 12:44:22 Type: Cal
Method: Accutest1(v289) 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	**57990.**	**12127.**	**1935.8**	**3703.8**
Stddev	58.	3.	8.1	10.4
%RSD	.09946	.02727	.42021	.28046
#1	57949.	12125.	1941.5	3711.1
#2	58031.	12129.	1930.0	3696.4

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/23/2014 12:50:18 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.043**	**2.034**	**2.025**	**2.067**	**1.985**	**2.078**	**2.064**	**.2470**
Stddev	.000	.004	.000	.003	.003	.001	.001	.003	.0015
%RSD	.0046	.1865	.0108	.1550	.1426	.0436	.0258	.1498	.5872
#1	2.030	2.040	2.033	2.023	2.069	1.986	2.078	2.062	.2480
#2	2.031	2.046	2.034	2.028	2.065	1.984	2.079	2.066	.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.040**	**2.074**	**2.023**	**2.096**	**2.068**	**2.018**	**2.030**	**40.08**	**40.64**
Stddev	.002	.004	.004	.001	.003	.003	.002	.07	.06
%RSD	.0769	.1873	.2152	.0560	.1305	.1584	.0925	.1872	.1530
#1	2.039	2.071	2.020	2.095	2.066	2.016	2.028	40.02	40.60
#2	2.041	2.077	2.026	2.096	2.070	2.020	2.031	40.13	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	**40.78**	**39.98**	**39.63**	**39.77**	**2.061**	**2.072**	**2.010**	**5.022**	**2.093**
Stddev	.01	.05	.03	.03	.001	.002	.001	.011	.003
%RSD	.0362	.1226	.0838	.0714	.0382	.1066	.0588	.2099	.1378
#1	40.77	39.94	39.60	39.75	2.060	2.070	2.011	5.014	2.091
#2	40.79	40.01	39.65	39.79	2.062	2.073	2.010	5.029	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: ccvconf Acquired: 6/23/2014 12:50:18 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.038**	**2.052**	**2.069**	**2.018**	**1.963**	**2.003**	**1.975**
Stddev	.001	.001	.006	.001	.001	.002	.004
%RSD	.0554	.0698	.2988	.0510	.0501	.1054	.1758
#1	2.038	2.053	2.064	2.019	1.963	2.005	1.973
#2	2.039	2.051	2.073	2.017	1.962	2.002	1.977
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	**59690.**	**12267.**	**1990.0**	**3863.6**
Stddev	.	16.	.9	2.6
%RSD	.00051	.12674	.04523	.06809
#1	59690.	12278.	1990.6	3865.5
#2	59689.	12256.	1989.4	3861.8

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/23/2014 12:56:12 Type: QC
Method: Accutest1(v289) 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**	**.0004**	**.0003**	**.0002**	**-.0000**	**.0003**	**.0002**	**.0002**
Stddev	.0001	.0002	.0001	.0001	.0001	.0001	.0000	.0001
%RSD	28.30	41.25	48.87	81.70	158.6	46.26	8.036	57.26
#1	.0003	.0005	.0002	.0001	-.0001	.0004	.0003	.0003
#2	.0002	.0003	.0004	.0003	.0000	.0002	.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**.0002**	**.0006**	**.0006**	**-.0005**	**.0018**	**.0009**
Stddev	.0001	.0001	.0001	.0001	.0001	.0003	.0012	.0009
%RSD	39.40	39.30	40.10	18.62	10.10	58.31	68.53	98.11
#1	.0003	.0004	.0001	.0005	.0006	-.0007	.0009	.0003
#2	.0001	.0002	.0003	.0007	.0007	-.0003	.0027	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.0090**	W **.0106**	**.0141**	**.0155**	**.0135**	**.0013**	**.0018**
Stddev	.0064	.0055	.0041	.0073	.0052	.0004	.0002	.0003
%RSD	118.8	60.46	38.89	51.66	33.31	2.771	17.57	14.76
#1	.0009	.0129	.0135	.0192	.0118	.0137	.0015	.0020
#2	.0100	.0052	.0077	.0089	.0191	.0132	.0012	.0016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/23/2014 12:56:12 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	**.0003**	**.0004**	**.0003**	W **.0276**	W **.0012**	**-.0006**
Stddev	.0006	.0003	.0002	.0001	.0005	.0023	.0001	.0007
%RSD	84.63	52.79	59.10	37.46	170.4	8.321	9.912	103.0
#1	.0012	.0008	.0002	.0005	-.0001	.0293	.0013	-.0002
#2	.0003	.0004	.0005	.0003	.0007	.0260	.0012	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0005**	**.0002**
Stddev	.0002	.0009
%RSD	48.84	507.3
#1	.0003	.0008
#2	.0007	-.0005
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62960.**	**12517.**	**2085.6**	**4368.0**
Stddev	24.	3.	5.7	7.2
%RSD	.03759	.02443	.27547	.16437
#1	62976.	12515.	2089.7	4373.1
#2	62943.	12519.	2081.5	4363.0

Zoom In Zoom Out

Sample Name: icv Acquired: 6/23/2014 13:05:14 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.984**	**2.006**	**1.997**	**1.966**	**2.028**	**1.940**	**2.015**	**2.012**	**.2455**
Stddev	.004	.003	.003	.001	.003	.003	.002	.002	.0007
%RSD	.2211	.1336	.1625	.0666	.1498	.1667	.0967	.1136	.3017
#1	1.987	2.006	1.994	1.965	2.027	1.942	2.013	2.011	.2448
#2	1.986	2.009	1.996	1.967	2.026	1.937	2.015	2.015	.2454
#3	1.979	2.004	2.000	1.967	2.032	1.942	2.017	2.011	.2463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.051**	**2.013**	**2.061**	**2.015**	**1.972**	**1.970**	**39.17**	**40.19**
Stddev	.002	.003	.005	.004	.002	.009	.004	.02	.05
%RSD	.1070	.1303	.2752	.1699	.1078	.4515	.1824	.0395	.1338
#1	2.036	2.049	2.009	2.061	2.016	1.964	1.966	39.18	40.13
#2	2.033	2.054	2.012	2.057	2.016	1.970	1.971	39.17	40.23
#3	2.038	2.049	2.019	2.064	2.012	1.982	1.973	39.15	40.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.05**	**40.16**	**39.93**	**40.06**	**2.052**	**1.975**	**1.968**	**5.079**	**2.016**
Stddev	.02	.10	.07	.08	.005	.004	.002	.011	.003
%RSD	.0488	.2366	.1795	.1903	.2692	.2138	.0823	.2171	.1667
#1	41.07	40.06	39.97	40.13	2.046	1.970	1.969	5.067	2.013
#2	41.03	40.16	39.98	40.07	2.054	1.977	1.970	5.084	2.019
#3	41.05	40.25	39.85	39.98	2.057	1.978	1.967	5.087	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/23/2014 13:05:14 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.037**	F **2.233**	**2.083**	**1.936**	**1.967**	**2.033**
Stddev	.005	.001	.004	.004	.005	.004	.002
%RSD	.2317	.0427	.1657	.1766	.2724	.2035	.1135
#1	2.018	2.038	2.230	2.086	1.934	1.966	2.035
#2	2.016	2.037	2.237	2.079	1.942	1.964	2.031
#3	2.009	2.036	2.234	2.085	1.932	1.972	2.034
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			5.000%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59902.**	**12317.**	**1993.**1	**3882.**1
Stddev	56.	24.	3.0	3.3
%RSD	.09325	.19843	.15079	.08492
#1	59888.	12300.	1995.2	3883.1
#2	59855.	12307.	1994.4	3884.7
#3	59964.	12345.	1989.7	3878.4

Zoom In Zoom Out

Sample Name: icb Acquired: 6/23/2014 13:18:29 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0000**	**-.0000**	**.0002**	**.0007**
Stddev	.0003	.0001	.0001	.0000	.0002	.0002	.0000	.0001	.0004
%RSD	85.87	2711.	170.2	32.28	101.4	2508.	70.88	42.25	65.41
#1	-.0005	.0001	.0001	.0001	.0000	.0002	-.0000	.0001	.0010
#2	-.0001	-.0001	-.0000	.0000	.0003	-.0002	-.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	**.0004**	**.0000**	**.0000**	**-.0001**	**-.0003**	**.0006**	**.0006**	**-.0034**	**-.0033**
Stddev	.0001	.0000	.0001	.0014	.0004	.0026	.0001	.0054	.0006
%RSD	18.12	1168.	2230.	2333.	128.6	473.9	17.97	160.4	19.05
#1	.0003	-.0000	-.0001	.0009	-.0006	.0024	.0007	-.0072	-.0037
#2	.0004	.0000	.0001	-.0011	-.0000	-.0013	.0005	.0005	-.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	**.0009**	**.0050**	**.0145**	**-.0078**	**.0006**	**.0005**	**.0003**	**.0002**	**-.0002**
Stddev	.0005	.0126	.0071	.0021	.0003	.0000	.0009	.0002	.0005
%RSD	55.34	251.7	48.95	26.92	49.89	2.954	308.3	103.3	243.5
#1	.0006	.0139	.0095	-.0063	.0008	.0005	.0009	.0004	-.0005
#2	.0013	-.0039	.0195	-.0092	.0004	.0005	-.0003	.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									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/23/2014 13:18:29 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0033**	**-.0001**	**.0014**	**-.0005**	**.0000**
Stddev	.0001	.0001	.0009	.0001	.0028	.0005	.0000
%RSD	196.0	140.6	27.72	120.2	200.2	100.4	10.88
#1	.0000	.0000	.0039	-.0000	.0034	-.0008	.0000
#2	-.0002	.0002	.0026	-.0002	-.0006	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**63122.**	**12357.**	**2098.7**	**4400.8**
Stddev	120.	8.	4.8	11.2
%RSD	.18939	.06680	.23035	.25472
#1	63037.	12363.	2102.1	4408.8
#2	63206.	12351.	2095.3	4392.9

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/23/2014 13:23:38 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.048**	**2.021**	**2.014**	**2.063**	**1.995**	**2.057**	**2.040**	**.2482**
Stddev	.002	.004	.004	.002	.007	.003	.005	.003	.0007
%RSD	.1028	.1888	.2167	.0749	.3236	.1412	.2591	.1527	.2776
#1	2.018	2.052	2.020	2.013	2.072	1.993	2.064	2.040	.2491
#2	2.021	2.049	2.024	2.014	2.061	1.994	2.053	2.036	.2475
#3	2.022	2.043	2.024	2.016	2.065	1.999	2.059	2.044	.2479
#4	2.019	2.048	2.015	2.016	2.056	1.994	2.053	2.041	.2483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.067**	**2.007**	**2.090**	**2.047**	**2.005**	**2.012**	**39.86**	**40.22**
Stddev	.005	.003	.007	.005	.004	.006	.005	.05	.17
%RSD	.2412	.1279	.3308	.2224	.1810	.2996	.2300	.1200	.4193
#1	2.058	2.065	2.013	2.091	2.046	2.014	2.012	39.90	40.46
#2	2.051	2.065	2.004	2.090	2.043	2.003	2.016	39.83	40.15
#3	2.051	2.071	2.012	2.094	2.052	2.002	2.015	39.91	40.19
#4	2.046	2.067	2.000	2.083	2.046	2.000	2.006	39.81	40.07
Check ?	Chk Pass	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: 6/23/2014 13:23:38 Type: QC
Method: Accutest1(v289) 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	**40.88**	**39.64**	**39.60**	**39.94**	**2.048**	**2.071**	**2.010**	**4.987**	**2.072**
Stddev	.08	.23	.03	.02	.005	.003	.003	.011	.004
%RSD	.1851	.5724	.0721	.0520	.2230	.1430	.1623	.2279	.1680
#1	40.99	39.92	39.63	39.93	2.050	2.069	2.009	4.991	2.074
#2	40.88	39.56	39.59	39.96	2.048	2.073	2.007	4.988	2.069
#3	40.85	39.68	39.56	39.95	2.053	2.073	2.015	4.999	2.075
#4	40.81	39.38	39.60	39.92	2.042	2.067	2.009	4.972	2.068
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	**2.036**	**2.046**	**2.050**	**2.019**	**1.964**	**1.994**	**1.973**
Stddev	.001	.004	.016	.004	.003	.006	.002
%RSD	.0692	.1955	.7988	.2211	.1484	.2852	.0808
#1	2.034	2.050	2.027	2.024	1.966	1.992	1.971
#2	2.035	2.040	2.050	2.018	1.963	2.000	1.974
#3	2.037	2.047	2.063	2.020	1.968	1.999	1.971
#4	2.036	2.045	2.060	2.014	1.961	1.988	1.973
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: 6/23/2014 13:23:38 Type: QC
Method: Accutest1(v289) 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	**59336.**	**12206.**	**1990.6**	**3875.4**
Stddev	147.	43.	6.1	8.6
%RSD	.24790	.35528	.30754	.22076
#1	59138.	12156.	1988.4	3871.7
#2	59417.	12193.	1988.0	3874.1
#3	59315.	12214.	1986.4	3868.1
#4	59473.	12260.	1999.7	3887.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 13:44:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0001**	**.0002**	**-.0001**	**-.0001**	**.0001**	**-.0000**	**.0001**
Stddev	.0001	.0001	.0002	.0002	.0002	.0008	.0000	.0001	.0001
%RSD	1805.	119.9	221.9	130.3	287.8	595.2	9.358	1533.	97.77
#1	.0001	.0001	-.0000	.0000	-.0002	.0005	.0001	-.0001	.0001
#2	-.0001	.0000	.0002	.0003	.0001	-.0007	.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	**.0004**	**.0000**	**-.0006**	**.0000**	**-.0005**	**.0016**	**.0004**	**-.0045**	**.0021**
Stddev	.0000	.0001	.0014	.0013	.0001	.0003	.0020	.0049	.0009
%RSD	7.396	1280.	244.4	4152.	31.10	19.48	495.4	108.0	43.85
#1	.0004	.0001	-.0015	-.0009	-.0004	.0018	.0018	-.0011	.0015
#2	.0004	-.0001	.0004	.0009	-.0006	.0014	-.0010	-.0079	.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	**.0024**	**-.0021**	**.0149**	**-.0011**	**.0003**	**.0008**	**.0000**	**.0007**	**.0002**
Stddev	.0023	.0060	.0071	.0040	.0002	.0002	.0011	.0003	.0002
%RSD	96.03	283.7	47.44	374.4	45.85	28.48	5182.	50.13	100.2
#1	.0040	-.0064	.0099	-.0039	.0005	.0009	.0008	.0009	.0001
#2	.0008	.0021	.0199	.0018	.0002	.0006	-.0007	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 13:44:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0146**	**.0003**	**.0023**	**-.0008**	**-.0005**
Stddev	.0000	.0001	.0009	.0001	.0040	.0003	.0001
%RSD	1.183	39.69	6.236	44.64	175.5	33.18	17.86
#1	.0000	-.0002	.0153	.0002	.0051	-.0010	-.0005
#2	.0000	-.0003	.0140	.0004	-.0005	-.0006	-.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	**65127.**	**12380.**	**2095.2**	**4391.0**
Stddev	2806.	69.	.1	.5
%RSD	4.3090	.55970	.00667	.01203
#1	63143.	12331.	2095.3	4390.6
#2	67112.	12429.	2095.1	4391.4

Zoom In Zoom Out

Sample Name: ICSACheckconf Acquired: 6/23/2014 13:55:34 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0016**	**-.0001**	**.0007**	**.0003**	**.0010**	**-.0066**	**.0215**	**-.0011**	**.0067**
Stddev	.0001	.0000	.0001	.0005	.0002	.0001	.0004	.0000	.0035
%RSD	5.926	26.32	8.553	133.3	18.71	.9350	1.841	1.735	51.90
#1	-.0015	-.0001	.0007	.0000	.0012	-.0067	.0218	-.0011	.0092
#2	-.0016	-.0001	.0006	.0007	.0009	-.0066	.0212	-.0011	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**-.0007**	**.0006**	**-.0033**	**.0019**	**-.0050**	**.0044**	**512.1**	**391.1**
Stddev	.0004	.0001	.0024	.0014	.0007	.0007	.0006	6.8	3.4
%RSD	55.24	19.28	376.9	42.92	36.41	13.37	13.11	1.322	.8755
#1	.0010	-.0008	.0023	-.0044	.0024	-.0046	.0048	516.9	393.5
#2	.0004	-.0006	-.0010	-.0023	.0014	-.0055	.0040	507.3	388.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**195.4**	**525.0**	**.2552**	**.0268**	**-.0016**	**-.0016**	**-.0005**	**-.0037**	**-.0019**
Stddev	1.3	4.0	.0068	.0048	.0004	.0001	.0008	.0025	.0022
%RSD	.6705	.7707	2.657	17.72	22.55	3.197	167.5	66.92	115.7
#1	196.3	527.9	.2600	.0234	-.0018	-.0016	.0001	-.0055	-.0004
#2	194.5	522.1	.2505	.0302	-.0013	-.0017	-.0011	-.0020	-.0035

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0053**	**.0002**	**.0165**	**.0025**	**-.0380**	**-.0131**	**.0045**
Stddev	.0002	.0007	.0013	.0001	.0010	.0012	.0005
%RSD	3.369	402.0	7.764	3.499	2.536	8.803	11.19
#1	-.0054	-.0003	.0156	.0025	-.0387	-.0123	.0048
#2	-.0052	.0006	.0174	.0024	-.0373	-.0139	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54116.**	**11389.**	**1818.8**	**3353.5**
Stddev	146.	108.	5.1	5.9
%RSD	.27068	.94601	.27817	.17680
#1	54220.	11313.	1822.4	3357.7
#2	54013.	11465.	1815.2	3349.3

Zoom In Zoom Out

Sample Name: cricheckconf Acquired: 6/23/2014 14:00:05 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2058**	**.0020**	**.0037**	**.0515**	**.0111**	**.0103**	**.0162**	**.0106**	**.0062**
Stddev	.0000	.0000	.0001	.0002	.0004	.0000	.0000	.0001	.0001
%RSD	.0009	1.813	2.854	.4666	3.173	.0001	.1161	1.418	2.137
#1	.2058	.0020	.0038	.0513	.0113	.0103	.0162	.0107	.0061
#2	.2058	.0019	.0036	.0517	.0108	.0103	.0162	.0105	.0063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**.0253**	**.0074**	**.0110**	**.0035**	F **.0132**	**.0067**	F **1.198**	**6.072**
Stddev	.0005	.0003	.0020	.0002	.0004	.0001	.0001	.120	.115
%RSD	.8370	1.022	27.45	1.391	11.52	.7161	2.127	10.05	1.886
#1	.0565	.0251	.0089	.0109	.0038	.0132	.0066	1.283	6.153
#2	.0558	.0255	.0060	.0111	.0032	.0131	.0068	1.113	5.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value						.0100		.2000	
Range						30.00%		30.00%	

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.5370**	**6.282**	**4.905**	**5.008**	**.1071**	**.0219**	**.0563**	**.2075**	**.0106**
Stddev	.0498	.133	.009	.014	.0003	.0001	.0008	.0001	.0006
%RSD	9.274	2.122	.1760	.2784	.2640	.2703	1.344	.0286	5.482
#1	.5722	6.376	4.899	4.998	.1073	.0218	.0557	.2075	.0102
#2	.5017	6.188	4.911	5.018	.1069	.0219	.0568	.2075	.0110
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.1000								
Range	30.00%								

Zoom In Zoom Out

Sample Name: cricheckconf Acquired: 6/23/2014 14:00:05 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0107**	**.0601**	**.0104**	**.0510**	**.0200**	**.0203**
Stddev	.0001	.0000	.0012	.0000	.0016	.0001	.0001
%RSD	.4910	.1642	1.925	.4445	3.167	.4260	.6155
#1	.0106	.0107	.0609	.0104	.0498	.0200	.0204
#2	.0106	.0108	.0593	.0104	.0521	.0201	.0202
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	**61708.**	**12205.**	**2052.2**	**4230.1**
Stddev	97.	18.	.8	3.9
%RSD	.15641	.14743	.03751	.09130
#1	61776.	12218.	2052.7	4232.9
#2	61640.	12192.	2051.6	4227.4

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/23/2014 14:06:13 Type: QC
Method: Accutest1(v289) 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	F **-.0000**	F **-.0004**	F **-.0003**	F **.0000**	F **-.0004**	F **-.0035**	F **-.0002**	F **.0004**
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.0000	.0000
%RSD	20.79	3.020	27.39	286.4	28.55	.2776	5.599	7.264
#1	-.0000	-.0004	-.0003	-.0000	-.0003	-.0035	-.0002	.0004
#2	-.0001	-.0004	-.0002	.0001	-.0005	-.0035	-.0002	.0004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.0040	.0010	.0010	.0030	.0020	.0020	.0030	.0040
Range	-30.00%	-30.00%	-30.00%	-30.00%	-30.00%	-30.00%	-30.00%	-30.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	F **.0001**	F **-.0000**	F **.0001**	F **.0007**	F **-.0008**	F **-.0025**	F **.0018**
Stddev	.0001	.0001	.0000	.0001	.0001	.0002	.0009	.0002
%RSD	10.81	63.13	66.28	101.3	11.90	24.71	34.24	11.91
#1	.0009	.0002	-.0000	.0002	.0007	-.0007	-.0019	.0019
#2	.0010	.0001	-.0000	.0000	.0008	-.0010	-.0032	.0016
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.0020	.0100	.0030	.0020	.0025	.0050	.0030
Range		-30.00%	-30.00%	-30.00%	-30.00%	-30.00%	-30.00%	-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0048**	F **.0012**	**-.0031**	F **-.0002**	F **-.0594**	F **-.0386**	F **-.0015**	**-.0007**
Stddev	.0007	.0003	.0011	.0041	.0009	.0035	.0002	.0000
%RSD	13.77	21.60	33.58	1731.	1.501	9.122	16.17	5.181
#1	-.0052	.0014	-.0024	-.0031	-.0588	-.0361	-.0013	-.0007
#2	-.0043	.0010	-.0039	.0026	-.0600	-.0411	-.0016	-.0007
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None
Value	.1000	1.000		.1000	2.000	1.000	.0100	
Range	-30.00%	-30.00%		-30.00%	-30.00%	-30.00%	-30.00%	

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/23/2014 14:06:13 Type: QC
Method: Accutest1(v289) 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	**.0012**	**-.0128**	**-.0003**	**-.0002**	**-.0003**	F **-.0150**	F **-.0005**	F **-.0240**
Stddev	.0004	.0001	.0004	.0000	.0000	.0004	.0001	.0008
%RSD	37.58	.7600	175.1	16.17	9.569	2.445	18.04	3.152
#1	.0015	-.0127	-.0006	-.0002	-.0004	-.0148	-.0005	-.0234
#2	.0008	-.0128	.0001	-.0002	-.0003	-.0153	-.0006	-.0245
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 **-.0012**
Stddev	.0001	.0002
%RSD	37.16	12.34
#1	-.0003	-.0014
#2	-.0002	-.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	**162260.**	**21333.**	**7173.0**	**13709.**
Stddev	30.	142.	25.8	38.
%RSD	.01826	.66536	.36013	.28001
#1	162240.	21232.	7191.2	13736.
#2	162290.	21433.	7154.7	13682.

Zoom In Zoom Out

Sample Name: cria Acquired: 6/23/2014 14:12:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0002**	**-.0001**	**-.0001**	**.0002**	**.0004**
Stddev	.0001	.0000	.0001	.0000	.0002	.0000	.0000	.0000	.0010
%RSD	1533.	26.16	62.67	11.64	122.7	44.89	48.17	24.72	242.8
#1	-.0001	-.0001	.0001	-.0001	-.0003	-.0001	-.0000	.0002	.0011
#2	.0001	-.0002	.0002	-.0001	-.0000	-.0001	-.0001	.0002	-.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	**.0005**	**.0005**	**.0184**	**.0005**	**.0209**	**.0216**	**.0210**	**.5235**	**.0122**
Stddev	.0002	.0000	.0005	.0004	.0001	.0007	.0002	.0082	.0013
%RSD	36.38	8.462	2.844	70.32	.2655	3.264	1.174	1.561	10.39
#1	.0007	.0005	.0181	.0003	.0209	.0221	.0209	.5177	.0131
#2	.0004	.0004	.0188	.0008	.0208	.0211	.0212	.5293	.0113
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	**.5457**	**.0081**	**-.0003**	**.0130**	**-.0009**	**-.0001**	**.0006**	**-.0010**	**.0003**
Stddev	.0033	.0069	.0097	.0081	.0003	.0001	.0002	.0002	.0000
%RSD	.5964	85.66	3229.	62.39	32.07	68.00	40.72	18.00	1.034
#1	.5480	.0130	-.0072	.0188	-.0007	-.0001	.0007	-.0011	.0003
#2	.5434	.0032	.0066	.0073	-.0011	-.0002	.0004	-.0008	.0003
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/23/2014 14:12:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0000**	**-.0000**	**-.0002**	**-.0014**	**-.0005**
Stddev	.0000	.0006	.0005	.0002	.0004	.0011	.0000
%RSD	26.56	413.2	1355.	1199.	198.6	77.82	1.591
#1	-.0001	-.0003	-.0004	.0001	.0001	-.0006	-.0005
#2	-.0001	.0006	.0003	-.0001	-.0005	-.0022	-.0005
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	**62457.**	**12338.**	**2081.0**	**4350.6**
Stddev	6.	19.	2.8	6.5
%RSD	.01012	.15131	.13328	.14908
#1	62461.	12324.	2083.0	4355.2
#2	62453.	12351.	2079.1	4346.1

Zoom In Zoom Out

Sample Name: cricheckconf Acquired: 6/23/2014 14:18:35 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2081**	**.0020**	**.0033**	**.0512**	**.0117**	**.0105**	**.0163**	**.0107**	**.0057**
Stddev	.0006	.0000	.0000	.0001	.0003	.0001	.0004	.0002	.0005
%RSD	.2811	1.482	1.400	.2886	2.891	.9854	2.380	2.063	8.861
#1	.2077	.0020	.0034	.0511	.0114	.0104	.0161	.0109	.0053
#2	.2085	.0019	.0033	.0513	.0119	.0106	.0166	.0106	.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0576**	**.0254**	**.0079**	**.0119**	**.0033**	**.0121**	**.0068**	F **.2658**	**5.252**
Stddev	.0004	.0005	.0015	.0013	.0004	.0003	.0000	.0074	.001
%RSD	.6592	1.835	18.30	10.82	12.25	2.246	.7191	2.799	.0264
#1	.0573	.0251	.0069	.0128	.0030	.0120	.0068	.2606	5.251
#2	.0578	.0257	.0090	.0110	.0035	.0123	.0069	.2711	5.253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value								.2000	
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	F **.1332**	**5.320**	**4.925**	**5.062**	**.1066**	**.0216**	**.0567**	**.2081**	**.0114**
Stddev	.0012	.026	.008	.006	.0008	.0002	.0008	.0031	.0002
%RSD	.8977	.4944	.1627	.1147	.7640	.8106	1.396	1.510	1.534
#1	.1324	5.301	4.920	5.058	.1060	.0215	.0561	.2059	.0115
#2	.1341	5.338	4.931	5.066	.1071	.0218	.0572	.2103	.0113
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.1000								
Range	30.00%								

Zoom In Zoom Out

Sample Name: cricheckconf Acquired: 6/23/2014 14:18:35 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0112**	**.0561**	**.0105**	**.0532**	**.0205**	**.0201**
Stddev	.0000	.0001	.0012	.0001	.0009	.0009	.0002
%RSD	.1108	1.194	2.190	.6053	1.650	4.265	1.093
#1	.0106	.0111	.0552	.0105	.0526	.0211	.0202
#2	.0106	.0113	.0569	.0106	.0538	.0199	.0199
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	**60693.**	**12128.**	**2045.3**	**4224.9**
Stddev	683.	1.	12.9	21.3
%RSD	1.1261	.00480	.63311	.50382
#1	61177.	12128.	2054.4	4239.9
#2	60210.	12129.	2036.1	4209.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 14:26:44 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2066**	**.0020**	**.0036**	**.0515**	**.0111**	**.0107**	**.0161**	**.0109**	**.0061**
Stddev	.0003	.0001	.0001	.0001	.0000	.0001	.0001	.0000	.0007
%RSD	.1635	2.552	1.930	.2683	.0636	1.083	.5032	.2117	10.86
#1	.2069	.0019	.0036	.0514	.0111	.0108	.0160	.0109	.0066
#2	.2064	.0020	.0035	.0516	.0111	.0106	.0162	.0108	.0056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0569**	**.0239**	**.0074**	**.0122**	F **.0020**	**.0114**	**.0057**	**.2062**	**5.139**
Stddev	.0007	.0002	.0006	.0001	.0007	.0003	.0005	.0030	.015
%RSD	1.271	.9871	8.518	1.085	36.86	2.435	8.545	1.458	.2917
#1	.0574	.0237	.0079	.0121	.0015	.0112	.0053	.2041	5.149
#2	.0564	.0241	.0070	.0123	.0025	.0116	.0060	.2083	5.128
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	**.1063**	**5.191**	**4.902**	**5.016**	**.1069**	**.0216**	**.0563**	**.2079**	**.0111**
Stddev	.0015	.025	.022	.022	.0000	.0000	.0001	.0011	.0000
%RSD	1.440	.4763	.4523	.4346	.0320	.0452	.2487	.5167	.0226
#1	.1052	5.208	4.917	5.032	.1069	.0216	.0564	.2071	.0111
#2	.1074	5.173	4.886	5.001	.1069	.0216	.0562	.2087	.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 14:26:44 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0106**	**.0543**	**.0103**	**.0502**	**.0201**	**.0203**
Stddev	.0000	.0002	.0007	.0001	.0009	.0013	.0008
%RSD	.0615	1.788	1.246	.5048	1.825	6.520	3.812
#1	.0106	.0105	.0548	.0102	.0495	.0192	.0208
#2	.0106	.0108	.0538	.0103	.0508	.0211	.0197
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	**61168.**	**12160.**	**2040.7**	**4213.7**
Stddev	39.	47.	4.6	11.8
%RSD	.06337	.38258	.22304	.28109
#1	61196.	12127.	2043.9	4222.1
#2	61141.	12193.	2037.5	4205.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 14:32:54 Type: QC
Method: Accutest1(v289) 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**	**.0011**	**.0030**	**.0022**	**.0022**	**.0031**	**.0042**
Stddev	.0000	.0001	.0001	.0002	.0000	.0000	.0001	.0003
%RSD	.0697	8.016	6.758	5.562	.6835	1.578	2.802	5.928
#1	.0040	.0008	.0012	.0029	.0022	.0021	.0032	.0040
#2	.0040	.0009	.0011	.0031	.0022	.0022	.0031	.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	**.0012**	**.0021**	**.0117**	F **.0011**	F **.0029**	**.0022**	**.0061**	**.0031**
Stddev	.0002	.0001	.0001	.0010	.0007	.0003	.0014	.0008
%RSD	18.85	5.658	.6636	89.99	23.59	12.33	22.41	25.98
#1	.0011	.0021	.0117	.0019	.0024	.0023	.0071	.0037
#2	.0014	.0022	.0118	.0004	.0034	.0020	.0052	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.0030	.0020			
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	**.0971**	**1.028**	**-.0012**	**.1055**	**1.973**	**1.016**	**.0099**	**-.0002**
Stddev	.0027	.004	.0002	.0093	.015	.001	.0005	.0002
%RSD	2.731	.3485	13.35	8.830	.7775	.0466	5.213	112.4
#1	.0953	1.031	-.0011	.1121	1.984	1.016	.0103	-.0000
#2	.0990	1.025	-.0013	.0990	1.962	1.016	.0095	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 14:32:54 Type: QC
Method: Accutest1(v289) 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**	**-.0011**	**.0002**	**-.0002**	**-.0002**	F **-.0038**	F **-.0002**	F **.0006**
Stddev	.0017	.0001	.0004	.0000	.0005	.0005	.0000	.0001
%RSD	475.4	7.255	158.7	13.79	211.8	13.19	21.25	15.47
#1	.0008	-.0011	.0005	-.0001	.0001	-.0034	-.0001	.0007
#2	-.0016	-.0012	-.0000	-.0002	-.0006	-.0042	-.0002	.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 **-.0010**	F **-.0002**
Stddev	.0012	.0005
%RSD	112.7	201.9
#1	-.0002	-.0006
#2	-.0019	.0001
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62133.**	**12330.**	**2066.1**	**4318.3**
Stddev	23.	2.	1.8	1.6
%RSD	.03771	.01548	.08757	.03659
#1	62117.	12329.	2064.8	4319.4
#2	62150.	12331.	2067.4	4317.2

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 14:39:04 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**-.0001**	**.0006**	**.0003**	**.0005**	**-.0071**	**.0207**	**-.0013**	**.0042**
Stddev	.0001	.0000	.0001	.0000	.0003	.0001	.0000	.0004	.0005
%RSD	4.330	7.671	21.78	3.397	60.27	1.770	.2211	30.94	11.90
#1	-.0016	-.0001	.0007	.0003	.0003	-.0071	.0207	-.0015	.0045
#2	-.0015	-.0001	.0005	.0002	.0007	-.0072	.0207	-.0010	.0038
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**	**-.0000**	**.0017**	**-.0023**	**.0027**	**-.0038**	**.0067**	**520.0**	**400.2**
Stddev	.0006	.0002	.0009	.0015	.0013	.0010	.0011	2.0	1.0
%RSD	130.4	2240.	52.02	64.26	48.83	25.39	16.02	.3832	.2375
#1	.0009	.0001	.0011	-.0034	.0037	-.0031	.0074	521.4	400.9
#2	.0000	-.0001	.0023	-.0013	.0018	-.0045	.0059	518.6	399.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**189.2**	**535.6**	**.1980**	**.0140**	**-.0008**	**-.0020**	**-.0002**	**-.0052**	**-.0036**
Stddev	.4	2.0	.0162	.0066	.0009	.0001	.0009	.0018	.0009
%RSD	.2360	.3655	8.178	46.97	107.9	4.011	541.2	34.38	25.14
#1	189.5	537.0	.2095	.0094	-.0014	-.0020	-.0008	-.0065	-.0029
#2	188.9	534.2	.1866	.0187	-.0002	-.0019	.0005	-.0039	-.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 14:39:04 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**-.0017**	**.0012**	**-.0361**	**-.0140**	**.0035**
Stddev	.0001	.0001	.0003	.0001	.0048	.0006	.0005
%RSD	.9691	13.44	18.82	7.523	13.35	4.251	15.16
#1	-.0054	.0008	-.0020	.0012	-.0396	-.0136	.0039
#2	-.0053	.0007	-.0015	.0013	-.0327	-.0144	.0031
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	**53393.**	**11320.**	**1806.1**	**3328.4**
Stddev	105.	54.	12.3	19.1
%RSD	.19602	.47591	.68204	.57288
#1	53319.	11282.	1797.4	3315.0
#2	53467.	11358.	1814.8	3341.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 14:45:10 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.5109**	**1.034**	**.4922**	**.4897**	**.5343**	**.5186**	**.9845**	**1.039**
Stddev	.0004	.0025	.001	.0016	.0035	.0049	.0065	.0011	.008
%RSD	.0758	.4836	.0774	.3258	.7111	.9196	1.254	.1078	.7350
#1	.5228	.5091	1.033	.4911	.4921	.5378	.5232	.9838	1.044
#2	.5222	.5126	1.035	.4934	.4872	.5308	.5140	.9853	1.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5070**	**.9686**	**1.085**	**.9627**	**.9656**	**1.080**	**1.068**	**511.7**	**384.4**
Stddev	.0019	.0015	.007	.0020	.0025	.005	.008	.1	1.5
%RSD	.3659	.1598	.6852	.2090	.2578	.4334	.7119	.0188	.3927
#1	.5083	.9697	1.080	.9642	.9673	1.077	1.062	511.8	383.3
#2	.5057	.9675	1.090	.9613	.9638	1.084	1.073	511.7	385.4
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	**193.2**	**525.6**	**.1990**	**.0180**	**.0020**	**.5085**	**.5595**	**-.0050**	**-.0008**
Stddev	.5	1.3	.0077	.0075	.0004	.0012	.0027	.0009	.0004
%RSD	.2712	.2481	3.880	41.89	19.86	.2262	.4756	18.18	53.21
#1	192.8	524.7	.2044	.0127	.0023	.5077	.5614	-.0043	-.0005
#2	193.5	526.5	.1935	.0233	.0017	.5093	.5576	-.0056	-.0010
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 14:45:10 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0014**	**.5517**	**.5983**	**.4525**	**.5437**	**.5633**
Stddev	.0001	.0003	.0055	.0037	.0048	.0012	.0000
%RSD	2.208	18.37	1.001	.6224	1.050	.2270	.0073
#1	-.0051	.0012	.5556	.6009	.4559	.5428	.5633
#2	-.0053	.0016	.5478	.5956	.4491	.5445	.5632
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	**53401.**	**11334.**	**1802.0**	**3333.4**
Stddev	345.	36.	6.7	12.1
%RSD	.64537	.31982	.37202	.36386
#1	53157.	11359.	1806.8	3342.0
#2	53645.	11308.	1797.3	3324.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 14:51:07 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.035**	**2.064**	**2.058**	**2.104**	**2.023**	**2.089**	**2.080**	**.2524**
Stddev	.059	.057	.002	.000	.002	.014	.005	.001	.0018
%RSD	2.941	2.807	.1011	.0126	.0937	.7079	.2229	.0281	.6983
#1	2.057	2.075	2.062	2.058	2.105	2.034	2.092	2.079	.2536
#2	1.973	1.994	2.065	2.058	2.102	2.013	2.086	2.080	.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	**2.094**	**2.116**	**2.041**	**2.135**	**2.087**	**2.048**	**2.054**	**39.40**	**39.94**
Stddev	.001	.001	.001	.006	.002	.004	.004	1.24	1.18
%RSD	.0446	.0300	.0409	.2826	.0819	.1889	.1838	3.149	2.962
#1	2.095	2.116	2.040	2.139	2.086	2.045	2.052	40.27	40.77
#2	2.093	2.117	2.041	2.131	2.089	2.050	2.057	38.52	39.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.32**	**39.35**	**39.41**	**40.05**	**2.089**	**2.117**	**2.046**	**5.105**	**2.111**
Stddev	1.11	1.10	1.14	1.17	.007	.003	.009	.012	.007
%RSD	2.761	2.785	2.886	2.931	.3330	.1614	.4363	.2410	.3455
#1	41.11	40.13	40.21	40.88	2.084	2.115	2.052	5.096	2.106
#2	39.54	38.58	38.60	39.22	2.094	2.119	2.039	5.113	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: 6/23/2014 14:51:07 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**2.080**	**2.032**	**2.043**	**2.020**	**2.037**	**1.965**
Stddev	.060	.006	.020	.009	.007	.006	.061
%RSD	2.945	.2703	.9745	.4195	.3628	.3040	3.113
#1	2.074	2.084	2.018	2.049	2.015	2.033	2.008
#2	1.989	2.076	2.046	2.037	2.025	2.042	1.922
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	**58278.**	**12130.**	**1957.2**	**3816.5**
Stddev	281.	320.	5.6	7.3
%RSD	.48176	2.6401	.28591	.19237
#1	58079.	11903.	1961.2	3821.7
#2	58476.	12356.	1953.2	3811.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 14:57:02 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0004**	**.0004**	**.0010**	**.0006**	**.0004**	**.0006**
Stddev	.0002	.0001	.0001	.0001	.0000	.0004	.0000	.0001
%RSD	41.74	18.97	14.67	22.96	2.283	71.29	9.802	16.50
#1	.0005	.0004	.0005	.0004	.0010	.0009	.0004	.0005
#2	.0003	.0003	.0004	.0003	.0009	.0003	.0004	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0009**	**.0004**	**.0011**	**.0003**	**-.0008**	**.0025**	**.0009**
Stddev	.0008	.0001	.0002	.0003	.0000	.0001	.0013	.0006
%RSD	101.4	7.543	37.89	31.49	17.74	11.80	54.89	68.40
#1	.0014	.0010	.0005	.0014	.0002	-.0007	.0015	.0014
#2	.0002	.0009	.0003	.0009	.0003	-.0008	.0034	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0456**	**.0475**	W **.0246**	**.0796**	**.0121**	**.0098**	**.0002**	**.0013**
Stddev	.0059	.0028	.0007	.0059	.0077	.0053	.0002	.0002
%RSD	12.84	5.884	2.861	7.365	63.36	54.44	102.0	16.20
#1	.0497	.0495	.0241	.0837	.0067	.0060	.0001	.0014
#2	.0414	.0456	.0251	.0754	.0176	.0136	.0003	.0011
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0303		.0100					
Low Limit	-.0303		-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 14:57:02 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0025**	**.0001**	**.0004**	**.0004**	**.0123**	**.0009**	**.0004**
Stddev	.0004	.0003	.0003	.0000	.0005	.0019	.0000	.0038
%RSD	20.79	11.70	215.4	9.080	125.9	15.74	2.930	1036.
#1	.0022	.0027	-.0001	.0004	.0007	.0137	.0009	.0030
#2	.0016	.0023	.0003	.0004	.0000	.0109	.0009	-.0023
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	**-.0006**	**-.0000**
Stddev	.0009	.0006
%RSD	171.6	6385.
#1	.0001	.0004
#2	-.0012	-.0004
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62889.**	**12351.**	**2084.3**	**4373.5**
Stddev	65.	29.	5.3	8.9
%RSD	.10379	.23557	.25541	.20291
#1	62935.	12330.	2088.1	4379.8
#2	62843.	12371.	2080.5	4367.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 15:03:14 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2077**	**.0021**	**.0036**	**.0507**	**.0108**	**.0104**	**.0159**	**.0107**	**.0057**
Stddev	.0017	.0001	.0001	.0004	.0006	.0000	.0002	.0002	.0001
%RSD	.8173	3.084	1.442	.7513	5.942	.1764	1.291	1.629	1.902
#1	.2065	.0020	.0036	.0504	.0113	.0104	.0161	.0106	.0056
#2	.2089	.0021	.0037	.0509	.0104	.0104	.0158	.0108	.0058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0567**	**.0241**	**.0086**	**.0120**	**.0023**	**.0118**	**.0063**	**.2144**	**5.192**
Stddev	.0009	.0000	.0002	.0001	.0011	.0003	.0003	.0028	.060
%RSD	1.553	.1944	2.507	.8371	47.91	2.496	4.675	1.317	1.161
#1	.0561	.0240	.0084	.0120	.0015	.0116	.0061	.2124	5.150
#2	.0574	.0241	.0087	.0119	.0031	.0120	.0065	.2164	5.235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1131**	**5.217**	**4.915**	**5.086**	**.1056**	**.0216**	**.0569**	**.2062**	**.0112**
Stddev	.0001	.078	.013	.056	.0005	.0002	.0002	.0002	.0004
%RSD	.0542	1.496	.2598	1.099	.4494	.9012	.4056	.0932	4.018
#1	.1130	5.162	4.906	5.046	.1053	.0217	.0568	.2063	.0115
#2	.1131	5.272	4.924	5.125	.1060	.0214	.0571	.2060	.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: 6/23/2014 15:03:14 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0109**	**.0594**	**.0107**	**.0507**	**.0209**	**.0200**
Stddev	.0001	.0004	.0009	.0001	.0016	.0005	.0009
%RSD	.6090	4.083	1.478	.9481	3.070	2.496	4.478
#1	.0108	.0106	.0601	.0106	.0496	.0212	.0207
#2	.0109	.0113	.0588	.0108	.0518	.0205	.0194
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	**61298.**	**11984.**	**2048.9**	**4237.6**
Stddev	187.	163.	4.6	6.0
%RSD	.30517	1.3624	.22409	.14272
#1	61166.	12100.	2052.2	4241.9
#2	61430.	11869.	2045.7	4233.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 15:09:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0009**	**.0012**	**.0030**	**.0021**	**.0019**	**.0030**	**.0043**
Stddev	.0001	.0001	.0000	.0001	.0000	.0002	.0000	.0004
%RSD	2.430	6.504	.9739	2.783	.0307	12.06	.4968	10.03
#1	.0040	.0010	.0011	.0029	.0021	.0018	.0031	.0046
#2	.0042	.0009	.0012	.0030	.0021	.0021	.0030	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0022**	**.0116**	**.0027**	**.0017**	F **.0011**	F **.0066**	**.0023**
Stddev	.0002	.0005	.0001	.0020	.0008	.0006	.0005	.0001
%RSD	15.38	20.64	1.128	73.17	45.56	54.91	7.674	4.346
#1	.0011	.0026	.0117	.0013	.0023	.0016	.0070	.0024
#2	.0014	.0019	.0115	.0040	.0012	.0007	.0063	.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value						.0025	.0050	
Range						-30.00%	30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1003**	**1.026**	**.0001**	**.1085**	**1.978**	**1.012**	**.0100**	**.0002**
Stddev	.0041	.004	.0003	.0414	.015	.003	.0002	.0000
%RSD	4.118	.4031	343.1	38.14	.7610	.3058	2.170	8.255
#1	.0974	1.029	.0003	.0793	1.989	1.014	.0102	.0002
#2	.1032	1.023	-.0001	.1378	1.967	1.010	.0099	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 15:09:23 Type: QC
Method: Accutest1(v289) 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**	**-.0012**	**.0003**	**-.0001**	**.0003**	F **.0006**	F **-.0002**	F **.0011**
Stddev	.0001	.0002	.0007	.0000	.0004	.0011	.0000	.0024
%RSD	48.61	15.28	232.5	.8506	147.3	177.1	22.59	210.2
#1	-.0003	-.0013	-.0002	-.0001	-.0000	.0014	-.0002	-.0005
#2	-.0002	-.0010	.0008	-.0001	.0005	-.0002	-.0002	.0028
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 **-.0011**
Stddev	.0002	.0001
%RSD	41.85	5.892
#1	-.0003	-.0011
#2	-.0006	-.0010
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	**62512.**	**12195.**	**2073.5**	**4330.6**
Stddev	105.	77.	6.0	4.0
%RSD	.16815	.63204	.28743	.09285
#1	62438.	12140.	2077.7	4333.5
#2	62587.	12249.	2069.3	4327.8

Zoom In Zoom Out

Sample Name: FeConf Acquired: 6/23/2014 15:15:34 Type: Unk
Method: Accutest1(v289) Mode: CONC 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**	**-.0004**	**-.0006**	**.0021**	**-.0017**	**.0208**	**.0006**	**.0049**
Stddev	.0001	.0000	.0002	.0000	.0001	.0001	.0000	.0001	.0010
%RSD	60.56	34.27	36.29	2.885	3.414	6.979	.0881	17.95	19.89
#1	-.0002	-.0001	-.0003	-.0006	.0020	-.0018	.0208	.0005	.0056
#2	-.0001	-.0002	-.0005	-.0006	.0021	-.0017	.0208	.0007	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**-.0000**	**.0022**	**.0009**	**-.0014**	**-.0007**	**-.0012**	**-.0073**	**-.0113**
Stddev	.0002	.0001	.0013	.0007	.0011	.0008	.0013	.0110	.0021
%RSD	16.52	1039.	56.37	74.24	82.52	112.7	101.3	151.5	18.41
#1	.0015	-.0001	.0031	.0004	-.0021	-.0001	-.0004	-.0151	-.0127
#2	.0012	.0001	.0013	.0014	-.0006	-.0012	-.0021	.0005	-.0098

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**203.5**	**.0099**	**.0515**	**-.0019**	**-.0028**	**.0004**	**.0055**	**.0032**	**-.0018**
Stddev	.1	.0045	.0033	.0034	.0002	.0001	.0009	.0004	.0001
%RSD	.0383	45.31	6.395	184.4	7.551	40.07	16.97	14.05	4.177
#1	203.5	.0130	.0538	.0006	-.0027	.0005	.0061	.0035	-.0019
#2	203.4	.0067	.0492	-.0043	-.0030	.0003	.0048	.0029	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0004**	**-.0010**	**.0025**	**-.0027**	**.0001**	**-.0008**
Stddev	.0001	.0000	.0004	.0002	.0018	.0006	.0002
%RSD	52.11	2.492	36.04	6.927	67.20	418.9	28.70
#1	-.0001	-.0004	-.0007	.0026	-.0039	.0006	-.0009
#2	-.0001	-.0004	-.0012	.0023	-.0014	-.0003	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60708.**	**12101.**	**2018.6**	**4232.3**
Stddev	99.	9.	1.1	4.6
%RSD	.16270	.07785	.05534	.10814
#1	60777.	12107.	2017.8	4229.1
#2	60638.	12094.	2019.4	4235.5

Zoom In Zoom Out

Sample Name: CrConf Acquired: 6/23/2014 15:21:45 Type: Unk
Method: Accutest1(v289) Mode: CONC 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**	**-.0006**	**12.36**	**-.0002**	**.0003**	**.0000**	**.0014**
Stddev	.0000	.0001	.0001	.0001	.06	.0000	.0001	.0000	.0007
%RSD	2.640	47.73	81.43	10.64	.5002	17.86	21.68	45.16	49.88
#1	.0002	-.0002	.0001	-.0007	12.40	-.0002	.0003	.0001	.0019
#2	.0001	-.0001	.0003	-.0006	12.32	-.0002	.0004	.0000	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**-.0020**	**.0001**	**-.0010**	**.0018**	**-.0020**	**-.0031**	**-.0022**	**.0115**
Stddev	.0000	.0000	.0002	.0007	.0008	.0025	.0015	.0032	.0045
%RSD	.1365	.5659	214.9	68.44	47.15	124.9	48.23	143.7	38.97
#1	.0015	-.0020	-.0001	-.0005	.0024	-.0038	-.0042	-.0045	.0147
#2	.0015	-.0020	.0003	-.0014	.0012	-.0002	-.0021	.0000	.0083

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0263**	**.0178**	**-.0115**	**-.0096**	**-.0002**	**.0006**	**.0005**	**.0049**	**-.0000**
Stddev	.0010	.0185	.0054	.0009	.0004	.0001	.0003	.0002	.0003
%RSD	3.910	103.8	46.94	9.736	194.8	24.85	53.35	4.713	643.3
#1	.0255	.0047	-.0077	-.0103	.0001	.0007	.0007	.0048	.0002
#2	.0270	.0308	-.0153	-.0090	-.0005	.0005	.0003	.0051	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0004**	**-.0007**	**-.0027**	**.0026**	**-.0045**	**-.0005**
Stddev	.0000	.0003	.0006	.0001	.0012	.0015	.0003
%RSD	13.10	68.74	97.55	3.262	45.51	32.98	56.69
#1	-.0001	.0006	-.0011	-.0026	.0034	-.0055	-.0007
#2	-.0001	.0002	-.0002	-.0028	.0017	-.0034	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62150.**	**12243.**	**2041.3**	**4346.5**
Stddev	120.	59.	3.9	9.8
%RSD	.19312	.48510	.18954	.22511
#1	62066.	12201.	2038.6	4339.6
#2	62235.	12285.	2044.1	4353.5

Zoom In Zoom Out

Sample Name: mp80152-mb1conf Acquired: 6/23/2014 15:27:54 Type: Unk
Method: Accutest1(v289) Mode: CONC 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**	**.0006**	**.0006**	**-.0001**	**-.0002**	**-.0002**
Stddev	.0000	.0000	.0003	.0000	.0001	.0004	.0001	.0001	.0005
%RSD	47.60	16.47	299.3	14.61	16.49	64.21	91.42	38.23	291.3
#1	-.0001	-.0001	-.0001	-.0002	.0007	.0003	-.0000	-.0001	.0002
#2	-.0001	-.0001	.0003	-.0002	.0005	.0008	-.0001	-.0002	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0010**	**-.0014**	**-.0009**	**-.0003**	**.0013**	**.0008**	**-.0064**	**.0127**
Stddev	.0000	.0002	.0002	.0004	.0002	.0007	.0002	.0033	.0011
%RSD	22.93	16.06	11.73	51.44	50.30	53.14	20.03	52.07	8.652
#1	.0001	.0011	-.0015	-.0005	-.0002	.0008	.0009	-.0040	.0134
#2	.0002	.0009	-.0013	-.0012	-.0004	.0018	.0007	-.0087	.0119

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0019**	**-.0001**	**-.0409**	**-.0029**	**.0005**	**-.0001**	**.0007**	**.0236**	**.0002**
Stddev	.0009	.0052	.0114	.0030	.0002	.0000	.0004	.0004	.0002
%RSD	46.88	4293.	27.93	103.3	30.15	26.89	52.44	1.688	83.42
#1	.0013	.0036	-.0329	-.0008	.0006	-.0001	.0010	.0234	.0004
#2	.0026	-.0038	-.0490	-.0051	.0004	-.0001	.0005	.0239	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0039**	**-.0001**	**.0064**	**-.0013**	**-.0003**
Stddev	.0000	.0005	.0003	.0001	.0029	.0000	.0005
%RSD	8.437	285.7	6.436	83.12	45.57	2.564	149.4
#1	-.0001	-.0005	-.0037	-.0002	.0043	-.0013	-.0007
#2	-.0001	.0002	-.0041	-.0000	.0084	-.0013	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62338.**	**12208.**	**2067.0**	**4346.7**
Stddev	1403.	231.	4.1	7.8
%RSD	2.2503	1.8904	.19673	.18025
#1	63330.	12371.	2069.8	4352.2
#2	61346.	12045.	2064.1	4341.2

Zoom In Zoom Out

Sample Name: jb69250-1 2 Acquired: 6/23/2014 15:34:01 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1246**	**-.0001**	**.0002**	**.0008**	**.0041**	**.0022**	**.0927**	**.0028**	**.0027**
Stddev	.0002	.0000	.0000	.0001	.0000	.0003	.0013	.0003	.0001
%RSD	.1331	45.22	6.683	9.402	.5400	14.42	1.402	11.77	4.026
#1	.1245	-.0000	.0002	.0007	.0041	.0020	.0936	.0031	.0027
#2	.1247	-.0001	.0002	.0008	.0041	.0025	.0918	.0026	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0083**	**.0099**	**.0015**	**.0003**	**.0043**	**.0041**	**.0006**	**2.433**	**50.02**
Stddev	.0006	.0000	.0000	.0004	.0000	.0004	.0007	.003	.20
%RSD	7.090	.3427	.5534	121.3	.6621	10.26	114.2	.1346	.4053
#1	.0078	.0098	.0015	.0006	.0043	.0044	.0001	2.431	50.17
#2	.0087	.0099	.0015	.0000	.0043	.0038	.0011	2.436	49.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.725**	**8.659**	**16.19**	**39.66**	**.2099**	**.0163**	**.0133**	**12.26**	**-.0011**
Stddev	.004	.029	.03	.13	.0020	.0005	.0009	.00	.0006
%RSD	.2590	.3386	.2148	.3385	.9516	2.787	7.015	.0358	54.62
#1	1.728	8.679	16.22	39.75	.2085	.0160	.0139	12.26	-.0007
#2	1.722	8.638	16.17	39.56	.2113	.0166	.0126	12.25	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2218**	**.0926**	**.0072**	**.0020**	**15.99**	**-.0008**	**.0107**
Stddev	.0007	.0082	.0001	.0006	.01	.0006	.0002
%RSD	.2999	8.883	1.485	31.62	.0507	74.42	1.609
#1	.2223	.0984	.0072	.0016	15.99	-.0004	.0105
#2	.2213	.0868	.0073	.0025	16.00	-.0013	.0108

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58859.**	**12130.**	**1978.0**	**3959.3**
Stddev	542.	15.	1.7	1.9
%RSD	.92161	.12487	.08485	.04766
#1	58475.	12119.	1979.1	3960.6
#2	59242.	12141.	1976.8	3958.0

Zoom In Zoom Out

Sample Name: jb69250-5 Acquired: 6/23/2014 15:40:04 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2311**	**-.0001**	**.0003**	**.0015**	**.0022**	**.0030**	**2.547**	**.0043**	**.0038**
Stddev	.0006	.0001	.0002	.0000	.0005	.0007	.007	.0001	.0002
%RSD	.2778	51.65	66.58	3.117	24.19	22.46	.2795	1.542	4.972
#1	.2306	-.0001	.0005	.0015	.0026	.0025	2.552	.0043	.0039
#2	.2315	-.0001	.0002	.0015	.0018	.0034	2.541	.0044	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0045**	**.0122**	**.0035**	**.0007**	**.0016**	**.0067**	**.0007**	**1.215**	**258.1**
Stddev	.0001	.0005	.0002	.0002	.0001	.0023	.0007	.000	1.0
%RSD	1.241	4.339	6.345	32.73	8.953	33.70	96.25	.0165	.3895
#1	.0045	.0126	.0037	.0009	.0017	.0051	.0002	1.215	257.4
#2	.0046	.0118	.0034	.0006	.0015	.0083	.0013	1.215	258.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.606**	**37.42**	**29.07**	**495.7**	**.3008**	**.0122**	**.0095**	**12.70**	**-.0020**
Stddev	.008	.23	.09	7.0	.0028	.0001	.0007	.08	.0004
%RSD	.4861	.6227	.3225	1.410	.9330	.4158	7.304	.6050	19.51
#1	1.601	37.25	29.00	490.8	.3028	.0122	.0090	12.75	-.0017
#2	1.612	37.58	29.13	500.7	.2988	.0122	.0100	12.64	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.239**	**.0408**	**.0072**	**.0001**	**66.68**	**-.0026**	**.0423**
Stddev	.005	.0007	.0001	.0005	.43	.0005	.0010
%RSD	.4214	1.662	.8821	949.9	.6471	18.43	2.274
#1	1.236	.0413	.0073	.0004	66.99	-.0029	.0416
#2	1.243	.0404	.0072	-.0003	66.38	-.0023	.0430

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52291.**	**11642.**	**1761.2**	**3327.1**
Stddev	118.	40.	9.0	11.6
%RSD	.22625	.34564	.50867	.34713
#1	52207.	11671.	1754.9	3319.0
#2	52374.	11614.	1767.5	3335.3

Zoom In Zoom Out

Sample Name: jb69348-1 Acquired: 6/23/2014 15:46:14 Type: Unk
Method: Accutest1(v289) 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	**.2719**	**.0008**	**.1541**	**.0458**	**.0202**	**.2589**	**.0750**	**1.890**	**.0964**
Stddev	.0005	.0002	.0006	.0001	.0006	.0009	.0001	.009	.0003
%RSD	.1849	29.11	.3995	.1273	3.093	.3364	.1350	.4575	.2931
#1	.2722	.0010	.1537	.0458	.0198	.2595	.0751	1.884	.0966
#2	.2715	.0007	.1546	.0457	.0206	.2583	.0749	1.896	.0962

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0429**	**52.64**	**.0543**	**.0024**	**.1297**	**.0060**	**.0548**	**6.741**	**19.63**
Stddev	.0005	.10	.0009	.0017	.0020	.0021	.0008	.006	.11
%RSD	1.113	.1872	1.709	72.25	1.575	34.96	1.372	.0947	.5482
#1	.0432	52.57	.0549	.0036	.1283	.0075	.0554	6.746	19.71
#2	.0426	52.71	.0536	.0012	.1311	.0045	.0543	6.737	19.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**97.27**	**1.183**	**.8866**	**1.570**	**.0485**	**.0070**	**.0085**	**4.979**	**.0189**
Stddev	.47	.034	.0450	.021	.0000	.0006	.0016	.014	.0001
%RSD	.4819	2.858	5.071	1.328	.0318	8.152	18.35	.2827	.3318
#1	97.60	1.160	.9183	1.584	.0485	.0074	.0096	4.969	.0190
#2	96.94	1.207	.8548	1.555	.0485	.0066	.0074	4.989	.0189

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0910**	**.0873**	**.1881**	**.0017**	**22.32**	**-.0022**	**.0033**
Stddev	.0000	.0034	.0044	.0003	.04	.0008	.0011
%RSD	.0145	3.871	2.343	15.90	.1666	39.39	31.77
#1	.0910	.0849	.1850	.0015	22.30	-.0016	.0026
#2	.0910	.0897	.1912	.0019	22.35	-.0028	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62174.**	**12260.**	**2018.2**	**4218.9**
Stddev	63.	40.	4.5	12.7
%RSD	.10167	.32588	.22277	.29986
#1	62129.	12232.	2021.3	4227.8
#2	62219.	12289.	2015.0	4209.9

Zoom In Zoom Out

Sample Name: mp80163-mb1conf Acquired: 6/23/2014 15:52:16 Type: Unk
Method: Accutest1(v289) Mode: CONC 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**	**.0003**	**.0004**	**-.0000**	**.0002**	**-.0002**
Stddev	.0001	.0000	.0000	.0002	.0000	.0001	.0001	.0002	.0002
%RSD	39.23	21.25	.2661	2706.	7.164	14.68	241.3	97.87	126.6
#1	-.0003	-.0002	.0001	-.0001	.0003	.0004	-.0001	.0003	-.0000
#2	-.0001	-.0001	.0001	.0001	.0003	.0003	.0000	.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0039**	**-.0014**	**.0006**	**-.0005**	**.0016**	**-.0005**	**.0030**	**.0270**
Stddev	.0002	.0002	.0004	.0001	.0008	.0008	.0001	.0048	.0009
%RSD	48.94	6.078	29.26	10.46	153.7	48.41	18.32	161.7	3.219
#1	.0003	.0041	-.0017	.0007	.0000	.0011	-.0004	-.0004	.0264
#2	.0006	.0038	-.0011	.0006	-.0011	.0022	-.0006	.0064	.0276

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0024**	**-.0100**	**.0085**	**.0444**	**.0000**	**-.0002**	**.0011**	**.0165**	**-.0001**
Stddev	.0011	.0272	.0036	.0015	.0004	.0001	.0010	.0002	.0002
%RSD	47.53	271.9	43.09	3.342	1577.	34.09	92.41	1.090	210.6
#1	.0032	.0092	.0110	.0455	-.0002	-.0002	.0019	.0167	-.0002
#2	.0016	-.0292	.0059	.0434	.0003	-.0003	.0004	.0164	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0003**	**-.0075**	**-.0004**	**.0077**	**-.0015**	**-.0005**
Stddev	.0000	.0008	.0007	.0002	.0008	.0007	.0006
%RSD	59.54	298.7	9.455	68.05	10.98	46.24	121.6
#1	-.0000	.0008	-.0080	-.0002	.0071	-.0010	-.0001
#2	-.0001	-.0003	-.0070	-.0005	.0083	-.0020	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62785.**	**12251.**	**2058.2**	**4343.0**
Stddev	68.	58.	3.4	5.8
%RSD	.10777	.46955	.16687	.13241
#1	62833.	12292.	2060.7	4347.1
#2	62737.	12210.	2055.8	4338.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 15:58:26 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.038**	**2.052**	**2.049**	**2.038**	**2.085**	**2.015**	**2.078**	**2.068**	**.2503**
Stddev	.005	.001	.012	.009	.006	.001	.004	.009	.0014
%RSD	.2311	.0369	.5741	.4206	.2985	.0509	.2108	.4568	.5620
#1	2.035	2.052	2.041	2.032	2.080	2.014	2.075	2.062	.2513
#2	2.041	2.053	2.058	2.044	2.089	2.016	2.081	2.075	.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	**2.069**	**2.095**	**2.030**	**2.122**	**2.077**	**2.030**	**2.039**	**40.11**	**40.35**
Stddev	.001	.008	.011	.015	.013	.015	.013	.04	.18
%RSD	.0260	.3843	.5211	.7017	.6000	.7610	.6161	.0945	.4509
#1	2.069	2.089	2.023	2.111	2.068	2.019	2.030	40.09	40.22
#2	2.069	2.100	2.038	2.132	2.085	2.041	2.048	40.14	40.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.84**	**39.75**	**40.16**	**40.51**	**2.082**	**2.098**	**2.035**	**5.075**	**2.099**
Stddev	.02	.14	.01	.04	.014	.015	.000	.036	.014
%RSD	.0405	.3396	.0190	.1090	.6920	.7116	.0204	.7099	.6723
#1	40.83	39.66	40.17	40.48	2.072	2.088	2.034	5.050	2.089
#2	40.85	39.85	40.15	40.54	2.093	2.109	2.035	5.100	2.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 15:58:26 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.051**	**2.065**	**2.015**	**2.023**	**2.007**	**2.027**	**2.005**
Stddev	.002	.005	.031	.005	.000	.014	.003
%RSD	.0835	.2345	1.539	.2630	.0078	.6776	.1339
#1	2.049	2.061	1.993	2.019	2.007	2.017	2.003
#2	2.052	2.068	2.037	2.027	2.007	2.036	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	**58744.**	**11940.**	**1968.3**	**3836.3**
Stddev	163.	9.	12.6	20.5
%RSD	.27798	.07501	.63954	.53404
#1	58629.	11946.	1977.2	3850.8
#2	58860.	11934.	1959.4	3821.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 16:04:20 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0004**	**.0004**	**.0003**	**.0002**	**.0003**	**.0003**	**.0006**	**.0004**
Stddev	.0001	.0000	.0001	.0001	.0003	.0005	.0000	.0000	.0003
%RSD	19.23	1.747	22.78	53.02	144.3	167.9	12.53	7.479	87.28
#1	.0004	.0004	.0004	.0002	.0004	-.0001	.0004	.0006	.0001
#2	.0003	.0004	.0003	.0004	-.0000	.0006	.0003	.0005	.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	**.0009**	**.0007**	**.0000**	**.0010**	**-.0004**	**.0001**	**.0023**	**.0066**	**.0151**
Stddev	.0000	.0000	.0008	.0005	.0004	.0004	.0004	.0099	.0034
%RSD	2.906	4.057	8441.	51.29	90.92	396.4	15.64	150.5	22.42
#1	.0009	.0007	.0006	.0006	-.0007	-.0002	.0021	.0135	.0127
#2	.0009	.0007	-.0006	.0014	-.0002	.0004	.0026	-.0004	.0175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0099**	**.0081**	**.0229**	**.0255**	**.0001**	**.0010**	**.0001**	**.0040**	**.0013**
Stddev	.0012	.0047	.0004	.0003	.0006	.0002	.0003	.0009	.0001
%RSD	12.34	58.79	1.689	.9952	1053.	18.30	272.8	21.55	9.652
#1	.0108	.0047	.0226	.0254	-.0004	.0011	-.0001	.0046	.0012
#2	.0091	.0114	.0232	.0257	.0005	.0009	.0003	.0034	.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: 6/23/2014 16:04:20 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0105**	**.0007**	**.0030**	**-.0007**	**.0003**
Stddev	.0001	.0004	.0018	.0001	.0028	.0005	.0000
%RSD	18.06	172.0	17.40	14.47	94.10	82.09	17.67
#1	.0003	-.0000	.0118	.0007	.0050	-.0010	.0002
#2	.0004	.0005	.0092	.0006	.0010	-.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	**62508.**	**12161.**	**2086.8**	**4366.9**
Stddev	144.	87.	.4	2.6
%RSD	.22981	.71940	.02087	.05887
#1	62610.	12223.	2086.5	4368.8
#2	62406.	12099.	2087.1	4365.1

Zoom In Zoom Out

Sample Name: jb68943-97 2 Acquired: 6/23/2014 16:10:30 Type: Unk
Method: Accutest1(v289) 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	**.6306**	**.0408**	**.1983**	**.2467**	**.1553**	**.2307**	**13.99**	**.2871**	**.0335**
Stddev	.0019	.0002	.0001	.0004	.0007	.0000	.01	.0003	.0019
%RSD	.3004	.6074	.0733	.1716	.4817	.0122	.0508	.1066	5.662
#1	.6319	.0410	.1982	.2464	.1548	.2307	13.99	.2869	.0349
#2	.6292	.0407	.1984	.2470	.1558	.2307	14.00	.2874	.0322

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4081**	**12.41**	**.0836**	**-.0115**	**.0830**	**.0068**	**-.0057**	**46.49**	**65.29**
Stddev	.0018	.04	.0009	.0005	.0014	.0006	.0019	.32	.33
%RSD	.4389	.3588	1.096	4.509	1.727	8.832	32.72	.6787	.5011
#1	.4068	12.45	.0843	-.0119	.0840	.0073	-.0070	46.72	65.52
#2	.4094	12.38	.0830	-.0112	.0820	.0064	-.0044	46.27	65.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**438.8**	**37.12**	**11.52**	**80.14**	**.1210**	**.0173**	**.0464**	**52.05**	**-.0059**
Stddev	2.6	.15	.06	.20	.0014	.0005	.0011	.00	.0021
%RSD	.5904	.3959	.4840	.2470	1.190	3.137	2.410	.0062	35.75
#1	440.6	37.23	11.56	80.28	.1200	.0177	.0472	52.05	-.0074
#2	436.9	37.02	11.48	80.00	.1221	.0169	.0456	52.05	-.0044

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2137**	**.6935**	**.0934**	**.0395**	**35.17**	**-.0093**	**.0619**
Stddev	.0005	.0010	.0002	.0002	.01	.0010	.0001
%RSD	.2241	.1458	.2023	.4918	.0290	10.67	.2037
#1	.2141	.6928	.0932	.0396	35.16	-.0100	.0618
#2	.2134	.6942	.0935	.0394	35.17	-.0086	.0620

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68464.**	**13895.**	**2275.7**	**3925.3**
Stddev	16.	59.	.9	.1
%RSD	.02289	.42451	.04160	.00189
#1	68453.	13853.	2276.4	3925.2
#2	68475.	13937.	2275.1	3925.3

Zoom In Zoom Out

Sample Name: jb69295-15 Acquired: 6/23/2014 16:16:30 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1931**	**-.0005**	**-.0001**	**.0071**	**-.0001**	**.0037**	**19.17**	**.0051**	**.0031**
Stddev	.0006	.0000	.0000	.0000	.0001	.0005	.05	.0001	.0001
%RSD	.3245	3.194	23.30	.1729	57.58	14.91	.2531	2.389	2.444
#1	.1936	-.0005	-.0001	.0071	-.0001	.0040	19.21	.0052	.0031
#2	.1927	-.0005	-.0001	.0071	-.0002	.0033	19.14	.0050	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0012**	**-.0007**	**.0055**	**-.0004**	**.0161**	**.0039**	**.0005**	**.0654**	**49.22**
Stddev	.0002	.0004	.0013	.0003	.0012	.0021	.0004	.0065	.03
%RSD	13.94	60.09	22.66	83.86	7.390	53.44	87.26	9.897	.0641
#1	-.0014	-.0004	.0064	-.0001	.0153	.0024	.0002	.0608	49.20
#2	-.0011	-.0010	.0046	-.0006	.0170	.0053	.0008	.0699	49.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.48**	**15.15**	**1.583**	**25.11**	**.1077**	**.0004**	**.0039**	**5.378**	**-.0010**
Stddev	.02	.01	.011	.01	.0004	.0003	.0007	.005	.0002
%RSD	.1498	.0830	.6963	.0204	.4029	73.90	18.75	.1011	17.80
#1	15.50	15.14	1.591	25.10	.1074	.0002	.0034	5.374	-.0008
#2	15.47	15.16	1.575	25.11	.1080	.0007	.0045	5.381	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1747**	**.0015**	**.0077**	**.0000**	**.7990**	**-.0001**	**.0028**
Stddev	.0002	.0002	.0002	.0001	.0018	.0008	.0003
%RSD	.1341	15.20	3.015	4427.	.2230	794.2	11.57
#1	.1748	.0017	.0075	-.0001	.7978	-.0007	.0030
#2	.1745	.0014	.0079	.0001	.8003	.0005	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59621.**	**12020.**	**1970.1**	**3976.0**
Stddev	67.	3.	6.0	10.5
%RSD	.11176	.02301	.30371	.26360
#1	59668.	12018.	1974.3	3983.4
#2	59574.	12022.	1965.8	3968.6

Zoom In Zoom Out

Sample Name: jb69650-8 Acquired: 6/23/2014 16:22:43 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1206**	**-.0000**	**.0004**	**.0289**	**.0040**	**.0047**	**3.118**	**.0102**	**.0034**
Stddev	.0004	.0000	.0002	.0004	.0007	.0001	.011	.0003	.0006
%RSD	.3626	99.54	44.58	1.360	18.31	2.234	.3366	2.869	17.07
#1	.1210	-.0000	.0003	.0286	.0035	.0047	3.125	.0100	.0038
#2	.1203	-.0001	.0005	.0291	.0046	.0046	3.110	.0104	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0059**	**.0226**	**.0251**	**-.0012**	**.0087**	**.0038**	**.0004**	**1.986**	**93.55**
Stddev	.0003	.0001	.0001	.0002	.0003	.0007	.0004	.002	.14
%RSD	4.905	.5493	.3761	14.03	3.402	19.02	106.2	.1135	.1458
#1	.0057	.0225	.0251	-.0011	.0085	.0033	.0001	1.985	93.46
#2	.0061	.0227	.0252	-.0014	.0089	.0043	.0007	1.988	93.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.949**	**16.13**	**7.890**	**46.11**	**.1462**	**.0109**	**.0133**	**13.07**	**-.0015**
Stddev	.010	.10	.017	.17	.0020	.0005	.0002	.16	.0004
%RSD	.2089	.6162	.2126	.3707	1.348	4.449	1.591	1.232	28.79
#1	4.941	16.06	7.878	46.23	.1449	.0105	.0131	12.95	-.0012
#2	4.956	16.20	7.902	45.99	.1476	.0112	.0134	13.18	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6258**	**.0506**	**.0105**	**.0028**	**27.66**	**-.0027**	**.0074**
Stddev	.0025	.0007	.0018	.0000	.40	.0003	.0003
%RSD	.3967	1.404	17.68	.0992	1.449	12.38	3.373
#1	.6275	.0501	.0118	.0028	27.38	-.0024	.0076
#2	.6240	.0511	.0091	.0028	27.94	-.0029	.0073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59118.**	**11903.**	**1947.6**	**3875.9**
Stddev	200.	54.	17.7	41.2
%RSD	.33846	.45253	.90797	1.0638
#1	58977.	11941.	1960.2	3905.1
#2	59260.	11865.	1935.1	3846.8

Zoom In Zoom Out

Sample Name: jb69650-9 Acquired: 6/23/2014 16:28:48 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0732**	**.0006**	**.0005**	**.0110**	**.0112**	**.0442**	**1.600**	**.0269**	**.0022**
Stddev	.0024	.0000	.0002	.0000	.0002	.0000	.031	.0001	.0005
%RSD	3.212	7.049	32.05	.0881	1.674	.0380	1.952	.3675	23.87
#1	.0749	.0006	.0004	.0110	.0113	.0442	1.622	.0269	.0025
#2	.0715	.0006	.0007	.0110	.0110	.0442	1.578	.0270	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0168**	**.0479**	**.0046**	**-.0017**	**.0118**	**.0013**	**-.0001**	**3.651**	**32.89**
Stddev	.0001	.0001	.0004	.0000	.0006	.0006	.0003	.127	.96
%RSD	.6642	.2549	8.470	.6833	5.478	44.59	233.5	3.479	2.916
#1	.0169	.0478	.0049	-.0017	.0123	.0009	-.0003	3.740	33.57
#2	.0168	.0480	.0044	-.0017	.0114	.0017	.0001	3.561	32.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.49**	**13.97**	**4.660**	**26.40**	**.0813**	**.0017**	**.0087**	**7.161**	**.0003**
Stddev	.40	.37	.141	.76	.0003	.0001	.0007	.015	.0002
%RSD	3.470	2.635	3.034	2.889	.3417	7.076	7.741	.2141	62.56
#1	11.78	14.23	4.760	26.94	.0815	.0017	.0092	7.150	.0005
#2	11.21	13.71	4.560	25.86	.0811	.0016	.0082	7.172	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3375**	**.0773**	**.0035**	**.0055**	**34.40**	**-.0019**	**.0087**
Stddev	.0110	.0014	.0009	.0000	.10	.0014	.0006
%RSD	3.261	1.841	26.46	.7125	.2881	73.30	7.315
#1	.3452	.0783	.0028	.0055	34.33	-.0009	.0082
#2	.3297	.0763	.0042	.0055	34.47	-.0028	.0091

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61395.**	**12231.**	**2024.7**	**4019.5**
Stddev	845.	281.	4.6	14.9
%RSD	1.3764	2.3007	.22748	.37031
#1	60797.	12032.	2027.9	4030.1
#2	61992.	12430.	2021.4	4009.0

Zoom In Zoom Out

Sample Name: jb69662-15 Acquired: 6/23/2014 16:34:54 Type: Unk
Method: Accutest1(v289) 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	**.2219**	**-.0000**	**.0400**	**.0334**	**1.323**	**1.911**	**.9026**	**1.231**	**.0725**
Stddev	.0111	.0001	.0003	.0001	.024	.044	.0153	.013	.0005
%RSD	5.016	414.8	.6587	.4463	1.820	2.281	1.696	1.012	.6963
#1	.2140	-.0001	.0398	.0335	1.306	1.880	.8917	1.222	.0722
#2	.2298	.0000	.0402	.0333	1.341	1.942	.9134	1.239	.0729

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0175**	**28.69**	**.7743**	**.0015**	**.1064**	**.0093**	**.0621**	**9.321**	**111.6**
Stddev	.0006	.34	.0004	.0022	.0047	.0030	.0009	.497	5.4
%RSD	3.418	1.173	.0472	148.2	4.371	31.84	1.474	5.327	4.815
#1	.0179	28.46	.7740	.0031	.1031	.0072	.0627	8.970	107.8
#2	.0171	28.93	.7745	-.0001	.1097	.0114	.0614	9.672	115.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.51**	**23.93**	**24.24**	**123.2**	**6.310**	**.0571**	**.0316**	**15.54**	**.0612**
Stddev	1.23	1.35	1.22	5.9	.078	.0009	.0056	.20	.0002
%RSD	5.454	5.627	5.040	4.789	1.238	1.605	17.58	1.262	.2593
#1	21.64	22.98	23.38	119.0	6.255	.0565	.0277	15.40	.0610
#2	23.37	24.89	25.11	127.4	6.365	.0578	.0356	15.68	.0613

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3975**	**.1245**	**.0756**	**.0205**	**56.45**	**-.0025**	**.0349**
Stddev	.0200	.0046	.0024	.0005	.58	.0008	.0014
%RSD	5.027	3.663	3.208	2.272	1.034	33.46	4.104
#1	.3833	.1213	.0739	.0201	56.03	-.0019	.0338
#2	.4116	.1278	.0773	.0208	56.86	-.0031	.0359

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59131.**	**12213.**	**1957.9**	**4458.7**
Stddev	814.	505.	15.3	34.8
%RSD	1.3766	4.1350	.78149	.78051
#1	59706.	12570.	1968.7	4483.3
#2	58555.	11856.	1947.1	4434.1

Zoom In Zoom Out

Sample Name: jb69681-1 Acquired: 6/23/2014 16:40:56 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0709**	**.0000**	**.0006**	**.0020**	**.0152**	**.0254**	**.1111**	**.0118**	**.0034**
Stddev	.0013	.0000	.0002	.0003	.0005	.0018	.0033	.0000	.0000
%RSD	1.873	2663.	41.52	13.21	3.075	7.055	3.008	.0508	.8599
#1	.0719	.0000	.0008	.0018	.0148	.0241	.1087	.0117	.0033
#2	.0700	-.0000	.0004	.0022	.0155	.0267	.1134	.0118	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0784**	**.0931**	**.0083**	**.0006**	**.0823**	**.0032**	**.0020**	**5.841**	**38.94**
Stddev	.0025	.0006	.0003	.0001	.0000	.0003	.0001	.114	.81
%RSD	3.150	.6060	3.356	8.221	.0098	8.769	4.099	1.943	2.071
#1	.0766	.0935	.0081	.0006	.0823	.0030	.0021	5.922	39.51
#2	.0801	.0927	.0085	.0007	.0823	.0034	.0020	5.761	38.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.836**	**1.799**	**18.60**	**113.6**	**.0947**	**.5477**	**.0144**	**14.37**	**.0005**
Stddev	.114	.035	.32	1.9	.0003	.0006	.0003	.00	.0010
%RSD	1.952	1.950	1.699	1.642	.3553	.1104	1.756	.0096	207.4
#1	5.917	1.824	18.83	114.9	.0945	.5473	.0146	14.36	.0011
#2	5.756	1.774	18.38	112.3	.0950	.5482	.0142	14.37	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.042**	**.1368**	**.0582**	**.0040**	**12.66**	**-.0008**	**.0081**
Stddev	.021	.0058	.0004	.0006	.01	.0003	.0002
%RSD	2.002	4.267	.6107	15.33	.1051	41.39	3.016
#1	1.057	.1327	.0585	.0036	12.67	-.0005	.0083
#2	1.028	.1410	.0580	.0044	12.65	-.0010	.0079

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58108.**	**12066.**	**1958.2**	**3832.1**
Stddev	1620.	191.	3.2	.1
%RSD	2.7886	1.5829	.16510	.00286
#1	59254.	11931.	1960.5	3832.0
#2	56962.	12201.	1955.9	3832.2

Zoom In Zoom Out

Sample Name: jb69681-1f Acquired: 6/23/2014 16:47:07 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0216**	**-.0002**	**.0002**	**.0005**	**.0011**	**.0079**	**.0005**	**.0040**	**.0016**
Stddev	.0003	.0000	.0000	.0001	.0003	.0002	.0001	.0002	.0001
%RSD	1.239	7.102	2.143	11.58	23.83	2.451	11.39	5.741	4.319
#1	.0214	-.0003	.0002	.0004	.0012	.0078	.0006	.0042	.0015
#2	.0218	-.0002	.0002	.0005	.0009	.0081	.0005	.0038	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0729**	**.0024**	**.0069**	**-.0002**	**.0022**	**.0032**	**.0026**	**.6621**	**34.99**
Stddev	.0009	.0001	.0002	.0004	.0003	.0004	.0012	.0011	.49
%RSD	1.285	5.807	3.388	171.4	13.66	13.44	43.91	.1608	1.413
#1	.0735	.0023	.0071	-.0005	.0020	.0029	.0018	.6613	34.64
#2	.0722	.0025	.0068	.0000	.0024	.0035	.0034	.6628	35.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0202**	**.0744**	**18.90**	**118.7**	**.0962**	**.5798**	**.0068**	**7.430**	**-.0004**
Stddev	.0007	.0017	.19	.7	.0011	.0027	.0005	.029	.0004
%RSD	3.493	2.282	1.004	.5624	1.156	.4622	7.167	.3857	119.0
#1	.0197	.0756	18.76	118.3	.0970	.5817	.0072	7.451	-.0001
#2	.0207	.0732	19.03	119.2	.0954	.5779	.0065	7.410	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9920**	**.0015**	**.0563**	**-.0001**	**13.13**	**-.0007**	**.0020**
Stddev	.0104	.0002	.0021	.0000	.04	.0003	.0004
%RSD	1.053	15.60	3.700	28.78	.3424	49.70	19.27
#1	.9846	.0013	.0578	-.0001	13.16	-.0009	.0017
#2	.9993	.0016	.0548	-.0001	13.10	-.0004	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57471.**	**11982.**	**1956.9**	**3858.2**
Stddev	614.	139.	9.2	15.7
%RSD	1.0691	1.1589	.46788	.40649
#1	57037.	12080.	1950.4	3847.2
#2	57906.	11884.	1963.4	3869.3

Zoom In Zoom Out

Sample Name: mp80186-mb1conf Acquired: 6/23/2014 16:53:18 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0012**	**-.0001**	**.0001**	**-.0001**	**.0034**	**.0011**	**.0034**	**.0006**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0002	.0000	.0001	.0001	.0001
%RSD	9.773	45.34	58.90	142.0	5.137	4.570	2.546	9.298	41.36
#1	.0011	-.0001	.0001	-.0002	.0033	.0011	.0034	.0007	.0001
#2	.0013	-.0001	.0001	.0000	.0035	.0011	.0033	.0006	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0310**	**-.0010**	**-.0009**	**.0033**	**.0009**	**.0001**	**.0780**	**.2648**
Stddev	.0003	.0003	.0003	.0004	.0001	.0001	.0002	.0035	.0017
%RSD	26.55	.9115	33.32	44.27	4.061	7.732	366.0	4.438	.6531
#1	.0009	.0312	-.0007	-.0006	.0034	.0009	.0002	.0804	.2636
#2	.0013	.0308	-.0012	-.0012	.0032	.0010	-.0001	.0755	.2660

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2708**	**.1177**	**.0598**	**.0571**	**-.0003**	**.0001**	**-.0003**	**.0636**	**.0162**
Stddev	.0060	.0080	.0146	.0007	.0005	.0001	.0001	.0009	.0001
%RSD	2.213	6.830	24.40	1.194	164.0	59.50	25.03	1.382	.5222
#1	.2665	.1233	.0702	.0566	-.0006	.0002	-.0003	.0629	.0161
#2	.2750	.1120	.0495	.0575	.0000	.0001	-.0002	.0642	.0162

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0040**	**-.0072**	**-.0002**	**.0948**	**-.0009**	**-.0010**
Stddev	.0000	.0001	.0010	.0001	.0026	.0000	.0001
%RSD	8.016	1.965	13.87	57.22	2.746	4.041	14.65
#1	.0005	.0040	-.0079	-.0001	.0966	-.0009	-.0011
#2	.0005	.0041	-.0065	-.0003	.0930	-.0010	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61978.**	**12300.**	**2073.9**	**4364.3**
Stddev	40.	119.	6.1	18.1
%RSD	.06498	.96826	.29267	.41459
#1	61950.	12384.	2069.6	4351.5
#2	62007.	12215.	2078.2	4377.1

Zoom In Zoom Out

Sample Name: mp80186-sd1 Acquired: 6/23/2014 16:59:25 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 171-5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.149**	**.0072**	**.0008**	**.1008**	**.6338**	**.2623**	**5.041**	**.2461**	**.0096**
Stddev	.004	.0000	.0001	.0014	.0239	.0098	.179	.0017	.0068
%RSD	.3080	.2130	7.301	1.350	3.765	3.746	3.559	.6706	70.69
#1	1.151	.0072	.0009	.0998	.6170	.2554	4.914	.2449	.0143
#2	1.146	.0072	.0008	.1018	.6507	.2693	5.168	.2473	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2930**	**.6641**	**.0462**	**.0067**	**.2148**	**.0092**	**-.0012**	**135.9**	**93.46**
Stddev	.0122	.0006	.0052	.0050	.0050	.0002	.0021	.0	.12
%RSD	4.177	.0922	11.25	73.91	2.310	2.625	174.8	.0191	.1247
#1	.2843	.6636	.0499	.0032	.2113	.0094	-.0026	135.9	93.38
#2	.3016	.6645	.0425	.0103	.2183	.0091	.0003	136.0	93.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**257.4**	**68.77**	**32.69**	**6.163**	**.1273**	**.0019**	**.0063**	**2.352**	**.1409**
Stddev	.2	.19	.05	.059	.0013	.0017	.0095	.011	.0096
%RSD	.0729	.2797	.1384	.9518	.9913	91.97	151.1	.4627	6.817
#1	257.5	68.63	32.66	6.205	.1265	.0007	-.0004	2.345	.1341
#2	257.2	68.90	32.72	6.122	.1282	.0031	.0130	2.360	.1477

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2486**	**3.250**	**-.0361**	**.1252**	**21.54**	**-.0048**	**.2307**
Stddev	.0002	.111	.0003	.0026	.10	.0021	.0027
%RSD	.0774	3.404	.7556	2.081	.4678	44.00	1.161
#1	.2485	3.172	-.0363	.1234	21.46	-.0033	.2326
#2	.2488	3.328	-.0359	.1271	21.61	-.0063	.2288

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61484.**	**12140.**	**2081.9**	**4140.2**
Stddev	1803.	48.	15.4	23.4
%RSD	2.9327	.39332	.74025	.56500
#1	62759.	12106.	2092.8	4156.7
#2	60209.	12174.	2071.0	4123.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 17:05:29 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.021**	**2.053**	**2.028**	**2.031**	**2.077**	**1.978**	**2.071**	**2.062**	**.2482**
Stddev	.034	.028	.005	.006	.016	.029	.023	.005	.0029
%RSD	1.677	1.356	.2352	.2899	.7615	1.488	1.108	.2603	1.175
#1	2.045	2.073	2.031	2.035	2.088	1.999	2.088	2.066	.2503
#2	1.998	2.034	2.024	2.027	2.066	1.958	2.055	2.058	.2461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.099**	**2.011**	**2.103**	**2.075**	**2.006**	**2.012**	**39.57**	**40.56**
Stddev	.021	.006	.006	.004	.007	.011	.006	.56	.33
%RSD	1.032	.2796	.2782	.1676	.3386	.5477	.2862	1.421	.8069
#1	2.069	2.103	2.015	2.105	2.080	2.014	2.016	39.97	40.79
#2	2.039	2.094	2.007	2.100	2.070	1.998	2.008	39.18	40.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.32**	**39.64**	**40.04**	**40.47**	**2.052**	**2.067**	**1.999**	**5.009**	**2.092**
Stddev	.48	.26	.54	.60	.003	.005	.029	.015	.005
%RSD	1.183	.6589	1.360	1.473	.1443	.2284	1.475	.3040	.2493
#1	40.66	39.82	40.42	40.89	2.054	2.071	2.020	5.020	2.096
#2	39.98	39.45	39.65	40.05	2.050	2.064	1.978	4.998	2.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 17:05:29 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.037**	**2.046**	**1.985**	**2.005**	**1.977**	**1.983**	**1.992**
Stddev	.034	.021	.016	.025	.012	.003	.035
%RSD	1.668	1.028	.8032	1.249	.6268	.1473	1.738
#1	2.061	2.060	1.974	2.023	1.986	1.985	2.017
#2	2.013	2.031	1.996	1.987	1.969	1.981	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	**59120.**	**11830.**	**2005.8**	**3890.9**
Stddev	704.	42.	4.5	8.4
%RSD	1.1911	.35394	.22399	.21717
#1	58622.	11800.	2002.6	3885.0
#2	59618.	11859.	2009.0	3896.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 17:11:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0003**	**.0001**	**.0007**	**.0007**	**.0005**	**.0004**	**.0004**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0001	.0002	.0002
%RSD	25.76	1.494	27.71	65.98	26.11	10.19	14.90	60.26	39.82
#1	.0004	.0003	.0004	.0002	.0008	.0007	.0006	.0006	.0003
#2	.0005	.0003	.0003	.0001	.0005	.0006	.0005	.0002	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0004**	**.0005**	**.0003**	**-.0012**	**.0019**	**.0007**	**.0130**	**.0164**
Stddev	.0000	.0002	.0010	.0003	.0007	.0000	.0002	.0011	.0012
%RSD	.8037	37.66	195.5	85.91	63.74	1.814	32.41	8.632	7.476
#1	.0008	.0006	-.0002	.0005	-.0006	.0019	.0005	.0122	.0155
#2	.0008	.0003	.0012	.0001	-.0017	.0019	.0008	.0137	.0172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0301**	**.0246**	**.0215**	**-.0000**	**.0012**	**.0011**	**.0031**	**.0004**
Stddev	.0001	.0167	.0057	.0074	.0001	.0004	.0000	.0009	.0004
%RSD	1.324	55.52	23.02	34.40	221.8	29.63	1.277	28.71	105.1
#1	.0097	.0419	.0287	.0268	.0000	.0014	.0011	.0038	.0001
#2	.0099	.0183	.0206	.0163	-.0001	.0009	.0011	.0025	.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: 6/23/2014 17:11:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0005**	**.0104**	**.0009**	**-.0000**	**-.0004**	**.0000**
Stddev	.0000	.0003	.0014	.0002	.0017	.0007	.0005
%RSD	.1192	50.47	13.15	17.61	4526.	192.5	1673.
#1	.0004	.0007	.0114	.0008	.0012	-.0009	.0004
#2	.0004	.0003	.0094	.0010	-.0012	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62197.**	**11782.**	**2094.5**	**4364.6**
Stddev	309.	4.	11.2	22.1
%RSD	.49660	.03115	.53546	.50519
#1	62416.	11779.	2086.6	4349.0
#2	61979.	11784.	2102.5	4380.2

Zoom In Zoom Out

Sample Name: jb69171-4 Acquired: 6/23/2014 17:17:33 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2995**	**.0033**	**.0018**	**.0387**	**.0903**	**.0619**	**8.311**	**.0785**	**.0040**
Stddev	.0013	.0001	.0003	.0004	.0006	.0002	.009	.0007	.0004
%RSD	.4395	2.198	14.85	.9055	.6483	.2839	.1112	.8444	9.891
#1	.3005	.0033	.0016	.0385	.0899	.0621	8.304	.0780	.0043
#2	.2986	.0032	.0020	.0390	.0907	.0618	8.317	.0790	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1616**	**.1992**	**.0378**	**-.0139**	**.0374**	**.0129**	**.0006**	**47.80**	**122.7**
Stddev	.0003	.0019	.0004	.0027	.0012	.0001	.0007	.18	.0
%RSD	.1720	.9764	1.128	19.44	3.337	.4884	102.2	.3713	.0011
#1	.1618	.1979	.0381	-.0120	.0365	.0128	.0011	47.93	122.7
#2	.1614	.2006	.0375	-.0158	.0383	.0129	.0002	47.68	122.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**106.8**	**79.80**	**14.73**	**69.07**	**1.062**	**.0703**	**.0129**	**7.332**	**.0193**
Stddev	.2	.29	.08	.21	.003	.0003	.0006	.028	.0003
%RSD	.2256	.3695	.5141	.3088	.3101	.4931	4.512	.3758	1.430
#1	107.0	80.01	14.78	69.22	1.059	.0701	.0125	7.312	.0191
#2	106.6	79.59	14.67	68.92	1.064	.0706	.0133	7.351	.0195

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.075**	**1.187**	**.0153**	**.0447**	**345.7**	**-.0019**	**.0562**
Stddev	.003	.002	.0008	.0002	1.7	.0004	.0003
%RSD	.3140	.1555	5.285	.4971	.4792	19.52	.5540
#1	1.077	1.186	.0158	.0445	344.6	-.0016	.0559
#2	1.073	1.189	.0147	.0448	346.9	-.0022	.0564

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59656.**	**12152.**	**1986.0**	**3713.9**
Stddev	45.	10.	2.5	8.8
%RSD	.07612	.08431	.12526	.23593
#1	59623.	12159.	1987.7	3720.1
#2	59688.	12145.	1984.2	3707.7

Zoom In Zoom Out

Sample Name: jb69171-14 Acquired: 6/23/2014 17:23:33 Type: Unk
Method: Accutest1(v289) 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	**5.874**	**.0042**	**.0281**	**.1253**	**4.450**	**2.690**	**5.997**	**1.017**	**.0830**
Stddev	.002	.0001	.0002	.0006	.019	.003	.034	.001	.0012
%RSD	.0309	1.708	.8381	.4979	.4283	.1002	.5738	.0552	1.492
#1	5.873	.0042	.0280	.1249	4.463	2.688	6.022	1.017	.0839
#2	5.876	.0041	.0283	.1258	4.436	2.692	5.973	1.017	.0822

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3054**	**9.834**	**.2191**	**.0034**	**8.514**	**.0055**	**.0140**	**56.15**	**136.0**
Stddev	.0000	.017	.0016	.0020	.006	.0057	.0003	.19	.8
%RSD	.0098	.1743	.7451	59.36	.0657	102.3	1.992	.3339	.6107
#1	.3054	9.846	.2203	.0048	8.518	.0015	.0138	56.28	136.6
#2	.3054	9.822	.2180	.0020	8.510	.0095	.0142	56.01	135.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**769.3**	**16.90**	**6.355**	**4.478**	**.0822**	**.1481**	**.0190**	**5.339**	**4.339**
Stddev	1.2	.04	.006	.001	.0001	.0000	.0021	.025	.005
%RSD	.1623	.2415	.0955	.0253	.1727	.0012	10.83	.4754	.1144
#1	770.2	16.93	6.350	4.479	.0823	.1481	.0204	5.357	4.335
#2	768.5	16.87	6.359	4.477	.0821	.1481	.0175	5.321	4.342

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8002**	**1.594**	**.0501**	**.0535**	**28.27**	**.0039**	**.1082**
Stddev	.0001	.000	.0008	.0002	.02	.0006	.0015
%RSD	.0185	.0011	1.541	.3632	.0561	14.87	1.424
#1	.8003	1.594	.0496	.0534	28.26	.0043	.1093
#2	.8001	1.594	.0507	.0537	28.28	.0035	.1071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60223.**	**11869.**	**2040.8**	**4132.0**
Stddev	124.	29.	9.6	15.3
%RSD	.20533	.24077	.46844	.36926
#1	60136.	11849.	2047.6	4142.8
#2	60311.	11889.	2034.1	4121.2

Zoom In Zoom Out

Sample Name: Jb69171-15 Acquired: 6/23/2014 17:29:32 Type: Unk
Method: Accutest1(v289) 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	**9.234**	**.0063**	**.0366**	**.1167**	**8.930**	**2.991**	**4.769**	**.8056**	**.0817**
Stddev	.253	.0001	.0007	.0005	.234	.077	.131	.0030	.0009
%RSD	2.744	1.734	1.885	.4475	2.625	2.577	2.740	.3705	1.116
#1	9.055	.0062	.0361	.1163	8.764	2.936	4.677	.8035	.0810
#2	9.413	.0064	.0371	.1170	9.095	3.045	4.862	.8077	.0823

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3660**	**11.47**	**.2437**	**.0005**	**18.02**	**.0221**	**.0293**	**98.94**	**189.5**
Stddev	.0093	.02	.0028	.0025	.02	.0032	.0040	2.70	4.8
%RSD	2.550	.1338	1.167	550.8	.1209	14.63	13.59	2.725	2.551
#1	.3594	11.46	.2457	.0022	18.00	.0198	.0321	97.04	186.1
#2	.3726	11.48	.2417	-.0013	18.03	.0244	.0265	100.8	192.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**632.2**	**20.46**	**9.381**	**6.520**	**.1565**	**.1584**	**.0153**	**5.722**	**4.311**
Stddev	17.6	.52	.239	.173	.0013	.0004	.0023	.064	.011
%RSD	2.785	2.521	2.551	2.648	.7988	.2833	14.91	1.124	.2605
#1	619.8	20.10	9.212	6.398	.1556	.1581	.0137	5.677	4.303
#2	644.7	20.83	9.551	6.642	.1574	.1587	.0169	5.768	4.319

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.479**	**1.932**	**.0869**	**.0662**	**37.04**	**.0051**	**.1848**
Stddev	.040	.051	.0021	.0018	.06	.0043	.0046
%RSD	2.718	2.631	2.429	2.691	.1597	85.39	2.483
#1	1.451	1.896	.0884	.0650	37.00	.0081	.1816
#2	1.508	1.967	.0854	.0675	37.08	.0020	.1881

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61093.**	**11588.**	**1992.6**	**3983.0**
Stddev	1391.	246.	8.4	14.1
%RSD	2.2763	2.1265	.42303	.35525
#1	62076.	11763.	1998.5	3993.0
#2	60110.	11414.	1986.6	3973.0

Zoom In Zoom Out

Sample Name: jb69171-16 Acquired: 6/23/2014 17:35:32 Type: Unk
Method: Accutest1(v289) 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	**1.297**	**.0047**	**.0183**	**.5181**	**69.44**	**2.333**	**6.001**	**2.174**	**.0476**
Stddev	.001	.0002	.0017	.0027	.11	.005	.011	.016	.0011
%RSD	.0854	4.733	9.178	.5293	.1548	.2291	.1859	.7332	2.235
#1	1.296	.0046	.0195	.5201	69.36	2.329	5.993	2.185	.0484
#2	1.297	.0049	.0171	.5162	69.51	2.336	6.009	2.163	.0469

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.023**	**5.252**	**1.146**	**.0030**	**2.979**	**.0108**	**-.0512**	**207.9**	**390.4**
Stddev	.000	.035	.021	.0019	.011	.0093	.0004	.3	.3
%RSD	.0259	.6709	1.839	63.69	.3684	85.59	.8634	.1455	.0785
#1	1.023	5.277	1.161	.0017	2.987	.0174	-.0509	207.7	390.1
#2	1.023	5.227	1.131	.0044	2.971	.0043	-.0515	208.2	390.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**402.7**	**312.1**	**20.74**	**14.37**	**.4511**	**.0184**	**.0187**	**17.18**	**1.515**
Stddev	.2	.8	.10	.03	.0035	.0015	.0058	.13	.012
%RSD	.0589	.2614	.5038	.2251	.7785	8.164	31.21	.7498	.7653
#1	402.8	311.6	20.81	14.40	.4536	.0173	.0146	17.27	1.523
#2	402.5	312.7	20.66	14.35	.4486	.0195	.0228	17.08	1.507

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.276**	**3.956**	**.0321**	**.0833**	**127.7**	**-.0159**	**.2624**
Stddev	.000	.003	.0037	.0002	.9	.0006	.0032
%RSD	.0136	.0678	11.58	.2699	.6760	4.037	1.229
#1	1.276	3.955	.0295	.0835	128.3	-.0154	.2601
#2	1.276	3.958	.0348	.0831	127.1	-.0163	.2646

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59426.**	**11762.**	**1998.7**	**3939.1**
Stddev	13.	30.	9.6	14.6
%RSD	.02139	.25082	.47913	.36967
#1	59435.	11741.	1991.9	3928.8
#2	59417.	11783.	2005.4	3949.4

Zoom In Zoom Out

Sample Name: jb69171-18 Acquired: 6/23/2014 17:41:32 Type: Unk
Method: Accutest1(v289) 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	**.4379**	**.0023**	**.0006**	**.0207**	**.3458**	**.0762**	**6.250**	**.0544**	**-.0091**
Stddev	.0028	.0002	.0000	.0009	.0088	.0019	.201	.0010	.0118
%RSD	.6402	7.156	.2541	4.177	2.551	2.450	3.215	1.883	130.0
#1	.4360	.0022	.0006	.0201	.3520	.0775	6.392	.0551	-.0175
#2	.4399	.0024	.0006	.0214	.3395	.0749	6.108	.0536	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1326**	**.1908**	**.0341**	**-.0269**	**.1028**	**.0030**	**-.0057**	**44.48**	**56.43**
Stddev	.0044	.0003	.0004	.0007	.0021	.0022	.0011	.28	.44
%RSD	3.314	.1679	1.159	2.598	2.042	72.76	19.44	.6204	.7850
#1	.1357	.1910	.0338	-.0274	.1013	.0015	-.0065	44.28	56.12
#2	.1295	.1906	.0344	-.0264	.1043	.0046	-.0049	44.67	56.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**508.9**	**65.11**	**8.930**	**38.03**	**.5034**	**.0288**	**.0277**	**3.669**	**.0219**
Stddev	4.2	.73	.050	.30	.0011	.0005	.0007	.019	.0005
%RSD	.8348	1.120	.5601	.7946	.2174	1.735	2.619	.5202	2.320
#1	505.9	64.59	8.895	37.81	.5026	.0285	.0282	3.656	.0216
#2	511.9	65.62	8.966	38.24	.5042	.0292	.0272	3.683	.0223

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5723**	**1.018**	**-.0041**	**.0324**	**669.9**	**.0014**	**.0790**
Stddev	.0037	.029	.0020	.0008	.7	.0004	.0026
%RSD	.6531	2.852	50.13	2.514	.0972	30.09	3.229
#1	.5697	1.038	-.0026	.0318	669.5	.0011	.0772
#2	.5749	.9971	-.0055	.0329	670.4	.0017	.0808

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58434.**	**11995.**	**2012.0**	**4058.1**
Stddev	1575.	49.	.4	1.5
%RSD	2.6949	.41177	.01861	.03740
#1	57321.	12030.	2012.2	4059.2
#2	59548.	11960.	2011.7	4057.0

Zoom In Zoom Out

Sample Name: jb69275-2 Acquired: 6/23/2014 17:47:35 Type: Unk
Method: Accutest1(v289) 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	**15.44**	**.0005**	**.3825**	**.0432**	**.3417**	**.3911**	**2.604**	**.1538**	**.1421**
Stddev	.39	.0002	.0081	.0027	.0010	.0043	.002	.0073	.0199
%RSD	2.525	45.68	2.107	6.156	.2834	1.100	.0655	4.725	14.02
#1	15.17	.0007	.3882	.0450	.3410	.3941	2.603	.1487	.1562
#2	15.72	.0004	.3768	.0413	.3424	.3880	2.605	.1590	.1280

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2977**	**55.09**	**.2612**	**.0064**	**347.7**	**-.0128**	**.0407**	**69.51**	**328.0**
Stddev	.0046	.44	.0058	.0180	2.6	.0164	.0018	1.75	7.8
%RSD	1.531	.7905	2.221	282.1	.7615	128.3	4.457	2.513	2.368
#1	.2945	55.40	.2653	-.0064	349.6	-.0012	.0419	68.27	322.5
#2	.3009	54.78	.2571	.0192	345.9	-.0244	.0394	70.74	333.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**274.5**	**38.28**	**22.14**	**3.602**	**.3419**	**.0102**	**-.0001**	**4.438**	**.0685**
Stddev	7.1	1.60	.33	.081	.0072	.0041	.0159	.022	.0044
%RSD	2.594	4.183	1.505	2.240	2.111	40.21	11230.	.4973	6.453
#1	269.5	37.14	21.91	3.545	.3470	.0073	-.0114	4.453	.0654
#2	279.5	39.41	22.38	3.659	.3367	.0131	.0111	4.422	.0716

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.192**	**1.948**	**-.0072**	**.0142**	**118.5**	**.1032**	**.0575**
Stddev	.049	.007	.0272	.0019	.6	.0057	.0114
%RSD	2.243	.3644	378.7	13.30	.5056	5.499	19.73
#1	2.157	1.943	-.0265	.0129	118.9	.1072	.0656
#2	2.227	1.953	.0121	.0155	118.1	.0992	.0495

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60966.**	**11912.**	**2103.7**	**4282.4**
Stddev	183.	241.	7.3	19.5
%RSD	.30055	2.0191	.34855	.45568
#1	60837.	12082.	2098.5	4268.6
#2	61096.	11742.	2108.8	4296.2

Zoom In Zoom Out

Sample Name: jb69696-1 Acquired: 6/23/2014 17:53:38 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1811**	**.0003**	**.0057**	**.0097**	**.3832**	**.1978**	**.4870**	**.0380**	**.0051**
Stddev	.0001	.0001	.0002	.0002	.0008	.0003	.0000	.0009	.0002
%RSD	.0372	16.68	3.340	2.168	.2140	.1382	.0077	2.421	4.586
#1	.1812	.0004	.0059	.0096	.3837	.1977	.4870	.0374	.0053
#2	.1811	.0003	.0056	.0099	.3826	.1980	.4870	.0387	.0050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3863**	**.7013**	**.0727**	**.0024**	**.1988**	**.0059**	**.0105**	**15.32**	**62.92**
Stddev	.0014	.0041	.0003	.0004	.0007	.0003	.0006	.01	.19
%RSD	.3715	.5894	.3959	15.90	.3455	5.606	5.931	.0932	.3025
#1	.3873	.6984	.0729	.0027	.1983	.0061	.0101	15.33	63.06
#2	.3853	.7042	.0725	.0021	.1993	.0056	.0110	15.31	62.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**180.1**	**35.31**	**2.190**	**.3592**	**.0305**	**.0116**	**.0058**	**2.399**	**.0271**
Stddev	1.0	.12	.003	.0001	.0008	.0000	.0003	.017	.0008
%RSD	.5657	.3523	.1177	.0286	2.778	.1450	4.458	.6919	2.780
#1	180.8	35.40	2.192	.3592	.0299	.0116	.0060	2.387	.0277
#2	179.3	35.23	2.188	.3591	.0311	.0116	.0056	2.410	.0266

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0547**	**.6345**	**.0040**	**.0110**	**2.280**	**.0005**	**.0175**
Stddev	.0001	.0019	.0010	.0000	.019	.0008	.0006
%RSD	.1688	.3002	24.13	.1677	.8480	145.0	3.383
#1	.0546	.6331	.0047	.0110	2.267	.0011	.0179
#2	.0547	.6358	.0033	.0111	2.294	-.0000	.0171

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60059.**	**11823.**	**2019.2**	**4056.1**
Stddev	9.	71.	7.7	15.1
%RSD	.01580	.60073	.38219	.37219
#1	60053.	11773.	2024.6	4066.7
#2	60066.	11873.	2013.7	4045.4

Zoom In Zoom Out

Sample Name: mp80167-mb1conf Acquired: 6/23/2014 17:59:40 Type: Unk
Method: Accutest1(v289) Mode: CONC 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**	**-.0002**	**.0001**	**.0000**	**.0006**	**.0004**	**.0008**	**.0006**	**.0007**
Stddev	.0001	.0000	.0000	.0000	.0002	.0003	.0000	.0000	.0001
%RSD	25.15	2.858	38.34	217.5	29.78	74.75	4.035	2.027	16.56
#1	.0003	-.0002	.0002	.0000	.0005	.0002	.0008	.0006	.0006
#2	.0004	-.0002	.0001	-.0000	.0007	.0004	.0008	.0006	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0067**	**-.0009**	**-.0006**	**-.0002**	**.0030**	**.0002**	**.0179**	**.0609**
Stddev	.0000	.0002	.0001	.0004	.0007	.0010	.0000	.0003	.0047
%RSD	10.89	2.761	16.18	63.44	421.3	32.90	17.83	1.597	7.800
#1	.0002	.0066	-.0010	-.0009	.0004	.0037	.0001	.0177	.0575
#2	.0003	.0068	-.0008	-.0003	-.0007	.0023	.0002	.0181	.0642

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0403**	**.0346**	**.0185**	**.0192**	**-.0002**	**-.0003**	**.0010**	**.0301**	**.0243**
Stddev	.0021	.0056	.0100	.0003	.0002	.0001	.0003	.0005	.0001
%RSD	5.266	16.27	54.31	1.801	97.75	29.30	27.62	1.752	.3303
#1	.0418	.0306	.0256	.0195	-.0001	-.0002	.0008	.0297	.0244
#2	.0388	.0385	.0114	.0190	-.0004	-.0003	.0012	.0304	.0243

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0006**	**-.0081**	**-.0002**	**.0113**	**-.0008**	**-.0010**
Stddev	.0000	.0001	.0000	.0003	.0029	.0007	.0004
%RSD	6.770	24.01	.3879	129.0	25.72	83.92	37.06
#1	-.0001	.0005	-.0081	-.0004	.0134	-.0003	-.0013
#2	-.0001	.0007	-.0081	-.0000	.0092	-.0013	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62541.**	**11882.**	**2087.5**	**4370.6**
Stddev	346.	127.	11.8	19.5
%RSD	.55396	1.0690	.56336	.44688
#1	62786.	11972.	2095.8	4384.4
#2	62296.	11792.	2079.2	4356.8

Zoom In Zoom Out

Sample Name: mp80167-b1 Acquired: 6/23/2014 18:05:49 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.738**	**.0947**	**.0989**	**.9147**	**.3882**	**.4535**	**.9658**	**.9409**	**.0990**
Stddev	.046	.0016	.0002	.0030	.0054	.0085	.0154	.0015	.0001
%RSD	1.224	1.686	.2096	.3331	1.391	1.884	1.596	.1554	.0788
#1	3.770	.0958	.0987	.9126	.3844	.4475	.9549	.9399	.0991
#2	3.706	.0936	.0990	.9169	.3920	.4596	.9767	.9420	.0990

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9542**	**.9712**	**3.720**	**3.835**	**.9508**	**3.707**	**.9215**	**50.07**	**12.12**
Stddev	.0161	.0017	.013	.017	.0017	.002	.0004	.61	.13
%RSD	1.686	.1749	.3404	.4542	.1782	.0546	.0401	1.211	1.092
#1	.9428	.9700	3.711	3.823	.9496	3.705	.9218	50.50	12.21
#2	.9656	.9724	3.729	3.847	.9520	3.708	.9213	49.64	12.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**49.78**	**12.19**	**12.28**	**12.12**	**.9256**	**.9284**	**.6848**	**.9788**	**.9604**
Stddev	.74	.22	.13	.17	.0021	.0013	.0078	.0004	.0018
%RSD	1.480	1.784	1.059	1.419	.2243	.1429	1.140	.0428	.1926
#1	50.30	12.35	12.37	12.24	.9241	.9274	.6793	.9785	.9591
#2	49.26	12.04	12.19	12.00	.9270	.9293	.6903	.9791	.9617

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9474**	**.9659**	**.0233**	**.0007**	**.0120**	**-.0008**	**-.0003**
Stddev	.0134	.0143	.0011	.0001	.0027	.0003	.0005
%RSD	1.414	1.477	4.917	18.89	22.24	36.73	185.1
#1	.9569	.9559	.0241	.0008	.0139	-.0006	.0001
#2	.9379	.9760	.0225	.0006	.0101	-.0010	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60700.**	**11706.**	**2054.4**	**4070.5**
Stddev	766.	97.	.2	4.0
%RSD	1.2623	.83005	.00907	.09905
#1	61242.	11638.	2054.3	4073.3
#2	60158.	11775.	2054.5	4067.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 18:11:45 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.079**	**2.035**	**2.045**	**2.121**	**2.010**	**2.120**	**2.079**	**.2515**
Stddev	.007	.009	.005	.005	.004	.005	.001	.004	.0003
%RSD	.3269	.4207	.2541	.2396	.1929	.2441	.0230	.1844	.1385
#1	2.065	2.085	2.032	2.042	2.124	2.007	2.120	2.076	.2512
#2	2.055	2.073	2.039	2.049	2.119	2.014	2.121	2.082	.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	**2.091**	**2.112**	**2.025**	**2.120**	**2.096**	**2.018**	**2.019**	**40.75**	**41.27**
Stddev	.001	.000	.001	.000	.003	.007	.002	.05	.23
%RSD	.0319	.0063	.0561	.0137	.1414	.3299	.1164	.1334	.5650
#1	2.091	2.112	2.024	2.120	2.094	2.013	2.017	40.79	41.43
#2	2.092	2.112	2.026	2.120	2.098	2.023	2.020	40.72	41.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.16**	**40.57**	**41.36**	**41.28**	**2.059**	**2.071**	**2.026**	**5.020**	**2.105**
Stddev	.09	.24	.10	.10	.006	.004	.001	.007	.006
%RSD	.2124	.5839	.2328	.2361	.2822	.1974	.0610	.1400	.2702
#1	41.22	40.74	41.43	41.35	2.055	2.068	2.025	5.015	2.101
#2	41.10	40.40	41.30	41.21	2.063	2.074	2.026	5.025	2.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 18:11:45 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.067**	**2.083**	**2.002**	**2.040**	**1.985**	**1.982**	**2.039**
Stddev	.007	.005	.019	.001	.003	.006	.001
%RSD	.3637	.2206	.9636	.0511	.1365	.2965	.0567
#1	2.073	2.086	1.988	2.039	1.983	1.978	2.039
#2	2.062	2.080	2.015	2.040	1.987	1.986	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	**58579.**	**11487.**	**2012.6**	**3891.0**
Stddev	147.	67.	5.4	10.5
%RSD	.25144	.58002	.26774	.26964
#1	58683.	11440.	2016.4	3898.4
#2	58474.	11534.	2008.8	3883.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 18:17:39 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0005**	**.0006**	**.0007**	**.0006**	**.0004**	**.0005**
Stddev	.0000	.0001	.0002	.0001	.0003	.0003	.0001	.0002
%RSD	1.024	29.97	51.99	12.45	37.07	43.02	17.66	39.08
#1	.0004	.0004	.0006	.0005	.0005	.0004	.0004	.0007
#2	.0004	.0003	.0003	.0006	.0009	.0008	.0005	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0008**	**.0005**	**.0007**	**.0006**	**-.0009**	**.0010**	**-.0001**
Stddev	.0003	.0002	.0000	.0003	.0004	.0005	.0019	.0002
%RSD	70.89	24.45	4.734	43.31	70.43	53.28	187.3	244.4
#1	.0002	.0006	.0005	.0005	.0010	-.0005	-.0003	.0001
#2	.0006	.0009	.0005	.0010	.0003	-.0012	.0023	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0167**	**.0123**	W **.0108**	**.0366**	**.0066**	**-.0016**	**.0006**	**.0011**
Stddev	.0076	.0014	.0000	.0029	.0119	.0056	.0003	.0003
%RSD	45.19	11.66	.0895	7.797	179.5	352.0	57.34	26.78
#1	.0221	.0133	.0108	.0346	-.0018	.0024	.0003	.0013
#2	.0114	.0113	.0107	.0386	.0150	-.0055	.0008	.0009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 18:17:39 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0037**	**.0007**	**.0004**	**.0004**	**.0095**	**.0006**	**.0036**
Stddev	.0006	.0008	.0006	.0000	.0002	.0022	.0001	.0011
%RSD	114.6	20.61	87.16	4.989	58.16	22.88	22.11	29.31
#1	.0009	.0043	.0012	.0004	.0002	.0111	.0006	.0029
#2	.0001	.0032	.0003	.0004	.0005	.0080	.0005	.0044
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	**-.0002**	**-.0001**
Stddev	.0008	.0003
%RSD	325.5	524.5
#1	-.0008	.0002
#2	.0003	-.0003
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61991.**	**11969.**	**2114.2**	**4397.4**
Stddev	560.	137.	2.7	6.3
%RSD	.90316	1.1427	.12658	.14325
#1	61595.	12066.	2116.1	4401.9
#2	62387.	11872.	2112.3	4393.0

Zoom In Zoom Out

Sample Name: mp80167-s1 Acquired: 6/23/2014 18:23:50 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.633**	**.0999**	**.0982**	**1.014**	**.6072**	**.5473**	**6.876**	**1.188**	**.1009**
Stddev	.050	.0010	.0014	.014	.0006	.0034	.037	.016	.0037
%RSD	1.075	1.025	1.457	1.394	.0961	.6303	.5446	1.349	3.623
#1	4.597	.0991	.0992	1.024	.6076	.5498	6.902	1.199	.0983
#2	4.668	.1006	.0972	1.004	.6068	.5449	6.850	1.177	.1034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.207**	**1.568**	**3.607**	**3.592**	**1.124**	**3.547**	**.4811**	**217.3**	**41.52**
Stddev	.007	.020	.050	.034	.012	.051	.0080	2.3	.57
%RSD	.5560	1.295	1.392	.9423	1.091	1.423	1.653	1.074	1.384
#1	1.212	1.582	3.643	3.615	1.132	3.582	.4867	215.6	41.12
#2	1.202	1.553	3.572	3.568	1.115	3.511	.4754	218.9	41.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**310.9**	**68.36**	**33.90**	**12.92**	**.8734**	**.8538**	**.4601**	**5.398**	**.8278**
Stddev	3.0	.90	.38	.13	.0117	.0114	.0037	.070	.0084
%RSD	.9695	1.314	1.117	1.042	1.338	1.338	.8016	1.305	1.011
#1	308.8	67.72	33.63	12.82	.8817	.8619	.4627	5.448	.8338
#2	313.0	68.99	34.17	13.01	.8651	.8457	.4575	5.348	.8219

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.024**	**2.469**	**.0418**	**.1044**	**.6286**	**-.0024**	**.3136**
Stddev	.009	.016	.0032	.0008	.0095	.0005	.0032
%RSD	.9272	.6443	7.766	.7573	1.515	20.74	1.005
#1	1.017	2.480	.0441	.1049	.6353	-.0021	.3114
#2	1.030	2.457	.0395	.1038	.6218	-.0028	.3158

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59139.**	**11792.**	**2016.5**	**3791.5**
Stddev	382.	123.	22.7	42.5
%RSD	.64585	1.0415	1.1264	1.1199
#1	58869.	11879.	2000.5	3761.4
#2	59409.	11705.	2032.6	3821.5

Zoom In Zoom Out

Sample Name: mp80167-s2 Acquired: 6/23/2014 18:29:43 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.630**	**.0991**	**.0980**	**1.005**	**.5937**	**.5424**	**6.585**	**1.171**	**.1002**
Stddev	.007	.0004	.0004	.001	.0008	.0027	.006	.001	.0007
%RSD	.1628	.3673	.4328	.0493	.1300	.5010	.0968	.1235	.6804
#1	4.625	.0988	.0983	1.005	.5943	.5443	6.580	1.170	.0997
#2	4.636	.0994	.0977	1.006	.5932	.5405	6.589	1.172	.1006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.181**	**1.509**	**3.600**	**3.598**	**1.116**	**3.542**	**.4765**	**203.3**	**49.26**
Stddev	.004	.000	.003	.002	.001	.004	.0013	.8	.11
%RSD	.3506	.0252	.0682	.0664	.0891	.1127	.2803	.3775	.2143
#1	1.184	1.509	3.602	3.597	1.115	3.544	.4774	202.8	49.18
#2	1.178	1.509	3.599	3.600	1.117	3.539	.4755	203.8	49.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**289.9**	**64.47**	**32.58**	**12.94**	**.8815**	**.8537**	**.4769**	**5.080**	**.8309**
Stddev	.8	.24	.11	.01	.0015	.0013	.0014	.000	.0022
%RSD	.2605	.3651	.3330	.0556	.1680	.1564	.2897	.0001	.2684
#1	289.4	64.30	32.51	12.93	.8825	.8546	.4779	5.080	.8293
#2	290.5	64.64	32.66	12.94	.8804	.8528	.4759	5.080	.8325

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.035**	**2.345**	**.0357**	**.1065**	**.6430**	**-.0027**	**.2896**
Stddev	.001	.004	.0018	.0005	.0008	.0006	.0002
%RSD	.0899	.1749	4.952	.4896	.1301	21.14	.0533
#1	1.034	2.348	.0369	.1061	.6424	-.0023	.2897
#2	1.035	2.342	.0344	.1068	.6436	-.0031	.2895

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59350.	11763.	2029.1	3815.8
Stddev	266.	15.	1.9	2.0
%RSD	.44811	.12504	.09214	.05368
#1	59162.	11774.	2027.8	3814.4
#2	59538.	11753.	2030.4	3817.3

Zoom In Zoom Out

Sample Name: jb69184-1 Acquired: 6/23/2014 18:35:35 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (167)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.224**	**.0081**	**.0009**	**.1254**	**.2352**	**.0972**	**7.326**	**.2724**	**.0039**
Stddev	.004	.0001	.0001	.0006	.0025	.0007	.003	.0001	.0004
%RSD	.2981	1.061	9.023	.4935	1.059	.7194	.0462	.0335	9.650
#1	1.227	.0082	.0009	.1258	.2369	.0977	7.328	.2725	.0042
#2	1.222	.0080	.0008	.1249	.2334	.0967	7.323	.2724	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3083**	**.6531**	**.0286**	**.0073**	**.2347**	**.0043**	**.0032**	**139.8**	**47.84**
Stddev	.0014	.0021	.0006	.0003	.0005	.0033	.0002	.2	.38
%RSD	.4547	.3194	2.079	4.613	.2013	77.65	4.889	.1649	.7984
#1	.3074	.6517	.0282	.0071	.2343	.0066	.0031	139.9	48.11
#2	.3093	.6546	.0290	.0076	.2350	.0019	.0033	139.6	47.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**282.9**	**52.57**	**16.40**	**.9086**	**.0640**	**.0060**	**.0063**	**3.677**	**.0307**
Stddev	1.5	.43	.07	.0082	.0009	.0003	.0002	.003	.0001
%RSD	.5310	.8211	.4297	.8983	1.403	4.674	2.739	.0922	.1846
#1	283.9	52.87	16.45	.9144	.0634	.0058	.0062	3.675	.0307
#2	281.8	52.26	16.35	.9028	.0647	.0062	.0065	3.680	.0308

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1169**	**1.706**	**.0046**	**.0850**	**.6433**	**-.0029**	**.2916**
Stddev	.0000	.001	.0002	.0001	.0047	.0004	.0003
%RSD	.0244	.0807	5.204	.1277	.7305	15.57	.0904
#1	.1169	1.707	.0047	.0850	.6400	-.0032	.2917
#2	.1169	1.705	.0044	.0849	.6467	-.0026	.2914

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	60296.	11928.	2055.4	3901.2
Stddev	79.	66.	1.2	7.1
%RSD	.13057	.55316	.05627	.18085
#1	60351.	11882.	2054.6	3896.2
#2	60240.	11975.	2056.2	3906.2

Zoom In Zoom Out

Sample Name: mp80167-sd1 Acquired: 6/23/2014 18:41:34 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 184-1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.270**	**.0077**	**.0019**	**.1309**	**.2431**	**.0987**	**7.865**	**.2815**	**.0209**
Stddev	.004	.0002	.0005	.0014	.0064	.0006	.149	.0014	.0066
%RSD	.2750	2.606	24.92	1.032	2.645	.5630	1.891	.4940	31.56
#1	1.272	.0076	.0016	.1318	.2386	.0983	7.760	.2825	.0255
#2	1.267	.0078	.0023	.1299	.2477	.0991	7.970	.2805	.0162

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3165**	**.7054**	**.0237**	**.0151**	**.2463**	**-.0020**	**.0027**	**144.2**	**51.06**
Stddev	.0084	.0025	.0023	.0057	.0071	.0217	.0061	.4	.11
%RSD	2.639	.3523	9.890	37.63	2.877	1106.	226.7	.2808	.2235
#1	.3106	.7072	.0220	.0110	.2513	.0134	-.0016	144.4	51.14
#2	.3224	.7036	.0253	.0191	.2413	-.0173	.0070	143.9	50.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**310.5**	**54.65**	**16.67**	**.8522**	**.0670**	**.0053**	**.0151**	**3.897**	**.0323**
Stddev	1.5	.43	.05	.0231	.0020	.0009	.0107	.037	.0002
%RSD	.4787	.7933	.3052	2.705	2.939	17.95	70.45	.9623	.5094
#1	311.6	54.96	16.71	.8685	.0656	.0059	.0227	3.923	.0325
#2	309.5	54.34	16.63	.8359	.0684	.0046	.0076	3.870	.0322

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1208**	**1.756**	**-.0278**	**.0858**	**.6914**	**-.0058**	**.2897**
Stddev	.0002	.028	.0082	.0018	.0017	.0020	.0002
%RSD	.1747	1.592	29.40	2.075	.2478	35.00	.0787
#1	.1206	1.736	-.0220	.0845	.6927	-.0043	.2899
#2	.1209	1.776	-.0336	.0871	.6902	-.0072	.2896

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	61738.	11675.	2086.1	4153.9
Stddev	1249.	59.	11.7	15.3
%RSD	2.0230	.50389	.55863	.36947
#1	62621.	11633.	2077.9	4143.1
#2	60854.	11716.	2094.4	4164.8

Zoom In Zoom Out

Sample Name: jb69184-4 Acquired: 6/23/2014 18:47:37 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9888**	**.0073**	**-.0001**	**.1111**	**15.43**	**.8446**	**3.911**	**.3014**	**.0050**
Stddev	.0019	.0000	.0001	.0001	.06	.0013	.001	.0005	.0006
%RSD	.1884	.1992	89.58	.0920	.3584	.1519	.0236	.1574	11.80
#1	.9875	.0073	-.0002	.1110	15.47	.8455	3.910	.3011	.0055
#2	.9901	.0073	-.0000	.1112	15.39	.8437	3.912	.3017	.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2746**	**.6530**	**.0362**	**.0035**	**.1754**	**.0020**	**-.0144**	**158.5**	**96.42**
Stddev	.0004	.0001	.0001	.0009	.0008	.0009	.0032	.1	.13
%RSD	.1336	.0167	.2983	25.95	.4347	47.16	22.20	.0499	.1302
#1	.2744	.6531	.0363	.0029	.1748	.0013	-.0167	158.5	96.51
#2	.2749	.6529	.0362	.0042	.1759	.0026	-.0122	158.6	96.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**241.7**	**54.16**	**23.76**	**1.241**	**.1037**	**.0038**	**-.0422**	**4.007**	**.0284**
Stddev	.6	.14	.00	.005	.0012	.0005	.0013	.003	.0005
%RSD	.2570	.2671	.0091	.4473	1.172	14.42	2.985	.0740	1.739
#1	242.1	54.26	23.76	1.237	.1028	.0042	-.0413	4.009	.0281
#2	241.3	54.06	23.77	1.245	.1045	.0034	-.0431	4.005	.0288

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1937**	**1.449**	**2.463**	**4.145**	**.8288**	**-.0019**	**.2849**
Stddev	.0007	.000	.001	.012	.0009	.0018	.0014
%RSD	.3387	.0264	.0401	.2800	.1145	93.64	.5031
#1	.1932	1.449	2.464	4.153	.8281	-.0032	.2839
#2	.1942	1.449	2.462	4.136	.8294	-.0007	.2859

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59070.	11753.	1980.2	3808.6
Stddev	202.	29.	3.9	3.8
%RSD	.34147	.24744	.19641	.09987
#1	58927.	11733.	1977.5	3805.9
#2	59213.	11774.	1983.0	3811.2

Zoom In Zoom Out

Sample Name: mp80160-mb1conf Acquired: 6/23/2014 18:53:37 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0002**	**-.0000**	**-.0000**	**.0009**	**.0004**	**.0003**	**.0002**	**.0003**
Stddev	.0000	.0000	.0002	.0000	.0001	.0007	.0001	.0001	.0002
%RSD	34.33	15.72	4359.	36.27	7.096	185.4	32.96	52.03	72.67
#1	.0001	-.0001	.0001	-.0000	.0008	-.0001	.0003	.0003	.0004
#2	.0001	-.0002	-.0002	-.0000	.0009	.0008	.0002	.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0023**	**.0000**	**.0015**	**-.0004**	**.0000**	**.0000**	**.0190**	**.0340**
Stddev	.0001	.0002	.0000	.0003	.0001	.0009	.0003	.0052	.0029
%RSD	36.76	6.413	82.23	20.90	19.15	2844.	1078.	27.55	8.590
#1	.0002	.0022	.0000	.0017	-.0004	-.0006	-.0002	.0227	.0319
#2	.0003	.0025	.0000	.0012	-.0003	.0007	.0002	.0153	.0360

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0350**	**.0366**	**-.0163**	**-.0259**	**.0001**	**-.0004**	**.0004**	**.0097**	**-.0002**
Stddev	.0011	.0090	.0106	.0018	.0006	.0001	.0007	.0001	.0003
%RSD	3.211	24.66	65.43	6.813	516.0	12.82	169.1	.7055	168.5
#1	.0342	.0429	-.0238	-.0246	-.0003	-.0005	-.0001	.0097	-.0004
#2	.0358	.0302	-.0087	-.0271	.0006	-.0004	.0009	.0098	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0001**	**-.0063**	**-.0002**	**.0046**	**.0000**	**-.0007**
Stddev	.0000	.0000	.0003	.0001	.0007	.0009	.0006
%RSD	20.79	60.43	4.166	55.39	14.56	5318.	75.26
#1	-.0001	.0000	-.0062	-.0001	.0050	.0006	-.0011
#2	-.0001	.0001	-.0065	-.0003	.0041	-.0006	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62689.**	**12129.**	**2105.5**	**4442.4**
Stddev	151.	286.	7.8	17.3
%RSD	.24028	2.3564	.37022	.39007
#1	62795.	12331.	2100.0	4430.2
#2	62582.	11927.	2111.1	4454.7

Zoom In Zoom Out

Sample Name: mp80160-sd1 1 Acquired: 6/23/2014 18:59:46 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 520-2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0298**	**-.0009**	**-.0001**	**-.0003**	**.0003**	**.0010**	**.0013**	**.0020**	**.0021**
Stddev	.0029	.0001	.0004	.0002	.0009	.0004	.0001	.0000	.0024
%RSD	9.880	11.38	314.7	66.91	259.1	46.08	6.891	.6230	114.0
#1	.0278	-.0008	.0002	-.0005	-.0003	.0013	.0012	.0020	.0038
#2	.0319	-.0010	-.0004	-.0002	.0009	.0006	.0014	.0019	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.3372**	**-.0018**	**.0026**	**-.0000**	**-.0074**	**-.0025**	**.0276**	**9.530**
Stddev	.0005	.0109	.0009	.0077	.0023	.0038	.0026	.0359	.652
%RSD	37.91	3.241	53.70	297.6	13780.	50.47	102.2	130.1	6.838
#1	.0016	.3295	-.0011	-.0028	.0016	-.0101	-.0007	.0022	9.069
#2	.0009	.3450	-.0024	.0080	-.0016	-.0048	-.0043	.0530	9.990

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0465**	**1.330**	**.9335**	**6.086**	**.0049**	**-.0024**	**.0104**	**3.765**	**-.0024**
Stddev	.0077	.049	.0779	.488	.0008	.0010	.0035	.126	.0003
%RSD	16.52	3.697	8.344	8.011	15.52	41.52	33.30	3.357	13.89
#1	.0411	1.296	.8784	5.741	.0055	-.0030	.0079	3.675	-.0022
#2	.0520	1.365	.9886	6.431	.0044	-.0017	.0128	3.854	-.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0436**	**.0003**	**-.0301**	**-.0001**	**2.826**	**-.0075**	**.0021**
Stddev	.0031	.0008	.0006	.0011	.088	.0010	.0016
%RSD	7.075	262.6	1.846	1524.	3.120	13.59	74.62
#1	.0414	.0008	-.0305	-.0008	2.764	-.0082	.0032
#2	.0458	-.0002	-.0297	.0007	2.889	-.0068	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62196.**	**11776.**	**2109.5**	**4384.1**
Stddev	31.	14.	.3	3.4
%RSD	.04957	.11489	.01425	.07748
#1	62174.	11766.	2109.3	4386.5
#2	62218.	11785.	2109.7	4381.7

Zoom In Zoom Out

Sample Name: mp80187-mb1conf Acquired: 6/23/2014 19:05:52 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0002**	**-.0001**	**-.0000**	**-.0002**	**.0004**	**-.0001**	**.0001**	**.0002**
Stddev	.0001	.0001	.0001	.0001	.0002	.0001	.0000	.0000	.0003
%RSD	111.1	42.77	90.12	7438.	97.97	31.31	6.963	6.207	124.4
#1	-.0002	-.0002	-.0001	.0000	-.0004	.0003	-.0001	.0001	.0000
#2	-.0000	-.0001	-.0000	-.0001	-.0001	.0005	-.0002	.0001	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0017**	**-.0013**	**.0008**	**-.0003**	**-.0001**	**.0006**	**-.0017**	**.0119**
Stddev	.0000	.0000	.0004	.0010	.0011	.0012	.0006	.0017	.0008
%RSD	19.20	.5132	34.62	135.1	403.0	899.0	104.5	98.10	6.367
#1	.0002	.0017	-.0010	.0015	.0005	.0007	.0002	-.0005	.0114
#2	.0002	.0017	-.0016	.0000	-.0011	-.0009	.0011	-.0030	.0125

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0015**	**.0041**	**-.0246**	**-.0167**	**.0002**	**-.0003**	**.0011**	**.0196**	**.0007**
Stddev	.0016	.0216	.0094	.0006	.0002	.0001	.0003	.0004	.0001
%RSD	102.9	524.3	38.35	3.408	94.75	21.09	23.12	1.937	11.10
#1	-.0027	-.0112	-.0179	-.0163	.0001	-.0003	.0009	.0193	.0008
#2	-.0004	.0194	-.0313	-.0171	.0004	-.0002	.0013	.0198	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0046**	**-.0001**	**.0037**	**-.0010**	**-.0004**
Stddev	.0000	.0000	.0005	.0002	.0003	.0005	.0009
%RSD	29.46	15.73	9.894	110.9	7.176	49.84	226.0
#1	-.0002	-.0002	-.0050	-.0003	.0039	-.0014	.0002
#2	-.0001	-.0002	-.0043	-.0000	.0036	-.0007	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61811.**	**11926.**	**2107.1**	**4401.8**
Stddev	563.	87.	10.2	18.6
%RSD	.91090	.72625	.48382	.42335
#1	62209.	11988.	2099.9	4388.6
#2	61413.	11865.	2114.3	4415.0

Zoom In Zoom Out

Sample Name: mp80187-b1conf Acquired: 6/23/2014 19:12:01 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.054**	**.0520**	**.0561**	**.5062**	**.2177**	**.2564**	**.5353**	**.5186**	**.0554**
Stddev	.012	.0006	.0005	.0046	.0029	.0029	.0051	.0069	.0004
%RSD	.5865	1.204	.8336	.9096	1.327	1.118	.9527	1.331	.8050
#1	2.063	.0524	.0565	.5094	.2198	.2584	.5389	.5235	.0551
#2	2.046	.0515	.0558	.5029	.2157	.2543	.5317	.5138	.0557

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5426**	**.5332**	**2.083**	**2.150**	**.5266**	**2.069**	**.5135**	**2.072**	**25.82**
Stddev	.0057	.0034	.030	.024	.0056	.025	.0065	.026	.23
%RSD	1.044	.6402	1.453	1.100	1.069	1.204	1.268	1.236	.9032
#1	.5466	.5356	2.104	2.166	.5306	2.087	.5181	2.090	25.98
#2	.5386	.5307	2.061	2.133	.5226	2.052	.5089	2.054	25.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.095**	**26.24**	**26.28**	**26.49**	**2.101**	**2.059**	**2.060**	**2.078**	**2.092**
Stddev	.009	.41	.17	.20	.030	.027	.020	.030	.026
%RSD	.7970	1.557	.6640	.7633	1.408	1.322	.9698	1.460	1.244
#1	1.101	26.52	26.40	26.63	2.122	2.078	2.074	2.099	2.110
#2	1.088	25.95	26.16	26.35	2.080	2.040	2.045	2.056	2.073

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.073**	**2.166**	**.0195**	**-.0003**	**.0084**	**.0009**	**.0001**
Stddev	.016	.023	.0005	.0001	.0030	.0003	.0001
%RSD	.7658	1.079	2.379	38.66	35.70	30.24	187.2
#1	2.084	2.183	.0192	-.0004	.0105	.0007	-.0000
#2	2.062	2.150	.0198	-.0002	.0063	.0011	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58917.**	**11574.**	**2015.9**	**4020.9**
Stddev	629.	118.	25.3	49.0
%RSD	1.0670	1.0159	1.2565	1.2190
#1	58473.	11491.	1998.0	3986.3
#2	59362.	11657.	2033.8	4055.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 19:17:58 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.083**	**2.096**	**2.063**	**2.065**	**2.145**	**2.024**	**2.139**	**2.102**	**.2532**
Stddev	.006	.008	.004	.005	.001	.002	.000	.005	.0002
%RSD	.2894	.3926	.1823	.2675	.0621	.0771	.0028	.2601	.0848
#1	2.087	2.101	2.061	2.062	2.144	2.025	2.139	2.099	.2531
#2	2.079	2.090	2.066	2.069	2.146	2.023	2.139	2.106	.2534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.105**	**2.135**	**2.048**	**2.141**	**2.115**	**2.049**	**2.043**	**41.03**	**41.68**
Stddev	.000	.007	.006	.004	.001	.007	.004	.26	.22
%RSD	.0095	.3179	.3130	.1978	.0395	.3498	.1921	.6278	.5277
#1	2.105	2.130	2.043	2.138	2.115	2.044	2.040	41.21	41.83
#2	2.105	2.140	2.052	2.144	2.116	2.054	2.046	40.85	41.52
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	**41.49**	**41.01**	**41.66**	**41.73**	**2.088**	**2.096**	**2.040**	**5.090**	**2.131**
Stddev	.21	.20	.19	.19	.004	.006	.007	.013	.000
%RSD	.5029	.4885	.4657	.4469	.1934	.2995	.3391	.2458	.0152
#1	41.63	41.15	41.80	41.86	2.086	2.092	2.045	5.081	2.131
#2	41.34	40.87	41.52	41.60	2.091	2.101	2.036	5.099	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: 6/23/2014 19:17:58 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.092**	**2.103**	**2.025**	**2.048**	**2.015**	**2.009**	**2.055**
Stddev	.005	.002	.017	.002	.004	.003	.008
%RSD	.2595	.0892	.8301	.1068	.2115	.1702	.3724
#1	2.096	2.102	2.013	2.047	2.018	2.007	2.060
#2	2.088	2.105	2.037	2.050	2.012	2.012	2.050
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	**58036.**	**11326.**	**1988.3**	**3850.6**
Stddev	12.	42.	2.8	4.5
%RSD	.02129	.36832	.14248	.11739
#1	58028.	11297.	1990.3	3853.8
#2	58045.	11356.	1986.3	3847.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 19:23:52 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**.0006**	**.0005**	**.0011**	**.0007**	**.0006**	**.0005**
Stddev	.0000	.0001	.0002	.0001	.0004	.0000	.0000	.0000
%RSD	2.339	27.16	28.62	12.67	38.93	5.206	6.929	1.662
#1	.0006	.0003	.0007	.0005	.0008	.0007	.0006	.0005
#2	.0006	.0005	.0005	.0004	.0013	.0007	.0007	.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**	**.0009**	**.0006**	**.0007**	**.0019**	**-.0001**	**.0004**	**.0005**
Stddev	.0001	.0000	.0002	.0003	.0017	.0003	.0013	.0002
%RSD	39.04	2.164	37.00	49.65	93.19	530.7	307.2	47.41
#1	.0003	.0009	.0008	.0004	.0031	-.0003	-.0005	.0007
#2	.0002	.0009	.0004	.0009	.0006	.0002	.0014	.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	**.0127**	**.0158**	W **.0126**	**.0088**	**.0034**	**.0049**	**.0014**	**.0011**
Stddev	.0036	.0029	.0012	.0072	.0180	.0002	.0001	.0002
%RSD	28.54	18.40	9.341	81.80	533.1	3.406	4.010	17.07
#1	.0152	.0179	.0118	.0037	.0161	.0050	.0013	.0013
#2	.0101	.0137	.0134	.0139	-.0093	.0048	.0014	.0010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 19:23:52 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0040**	**.0007**	**.0005**	**.0005**	**.0105**	**.0010**	**.0014**
Stddev	.0003	.0004	.0009	.0000	.0000	.0028	.0004	.0011
%RSD	14.48	9.928	127.9	6.351	9.432	26.33	36.53	79.30
#1	.0020	.0043	.0013	.0005	.0005	.0124	.0007	.0006
#2	.0016	.0038	.0001	.0005	.0005	.0085	.0012	.0021
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	**.0005**	**.0004**
Stddev	.0011	.0004
%RSD	235.3	98.10
#1	.0013	.0006
#2	-.0003	.0001
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61811.**	**11696.**	**2110.3**	**4384.8**
Stddev	141.	29.	7.7	14.8
%RSD	.22866	.24766	.36381	.33789
#1	61911.	11716.	2104.9	4374.3
#2	61711.	11675.	2115.8	4395.2

Zoom In ▶ Zoom Out

Sample Name: mp80187-s1 2 Acquired: 6/23/2014 19:30:02 Type: Unk
Method: Accutest1(v289) 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	**2.086**	**.0515**	**.0575**	**.5132**	**.2207**	**.2543**	**2.043**	**.5277**	**.0622**
Stddev	.006	.0000	.0004	.0017	.0003	.0009	.006	.0024	.0021
%RSD	.3049	.0402	.7444	.3268	.1406	.3547	.2892	.4455	3.355
#1	2.090	.0515	.0578	.5143	.2209	.2536	2.039	.5261	.0607
#2	2.081	.0515	.0572	.5120	.2205	.2549	2.047	.5294	.0636

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5408**	**.5551**	**2.159**	**2.161**	**.5364**	**2.048**	**.5264**	**2.227**	**508.6**
Stddev	.0016	.0032	.004	.006	.0032	.006	.0023	.020	.0
%RSD	.2870	.5815	.2028	.2778	.5909	.2745	.4396	.8790	.0070
#1	.5419	.5528	2.156	2.157	.5386	2.052	.5247	2.241	508.6
#2	.5397	.5573	2.162	2.165	.5341	2.044	.5280	2.213	508.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.869**	**64.65**	**28.79**	**143.4**	**4.999**	**2.119**	**2.070**	**12.50**	**2.129**
Stddev	.002	.30	.05	.3	.021	.003	.004	.02	.002
%RSD	.0974	.4616	.1613	.2309	.4161	.1305	.1934	.1597	.0812
#1	1.870	64.44	28.83	143.6	4.984	2.117	2.072	12.49	2.127
#2	1.867	64.86	28.76	143.2	5.014	2.121	2.067	12.51	2.130

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.412**	**2.169**	**.0575**	**.0012**	**380.1**	**-.0015**	**.1162**
Stddev	.019	.000	.0044	.0001	.4	.0056	.0036
%RSD	.2607	.0087	7.702	10.11	.1027	375.1	3.104
#1	7.426	2.169	.0606	.0011	379.8	.0025	.1188
#2	7.398	2.169	.0544	.0013	380.3	-.0054	.1137

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58218.	11365.	1971.6	3927.9
Stddev	37.	23.	.9	3.3
%RSD	.06377	.20489	.04463	.08363
#1	58192.	11381.	1972.2	3930.2
#2	58244.	11348.	1971.0	3925.6

Zoom In ▶ Zoom Out

Sample Name: mp80187-s2 Acquired: 6/23/2014 19:36:03 Type: Unk
Method: Accutest1(v289) 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	**2.094**	**.0514**	**.0587**	**.5180**	**.2172**	**.2552**	**2.077**	**.5309**	**.0607**
Stddev	.031	.0013	.0013	.0021	.0008	.0025	.001	.0032	.0017
%RSD	1.470	2.533	2.204	.4003	.3806	.9622	.0472	.6053	2.834
#1	2.073	.0505	.0597	.5165	.2177	.2569	2.076	.5332	.0595
#2	2.116	.0523	.0578	.5195	.2166	.2534	2.078	.5286	.0620

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5489**	**.5573**	**2.172**	**2.177**	**.5334**	**2.038**	**.5303**	**2.209**	**516.9**
Stddev	.0073	.0000	.000	.014	.0014	.021	.0031	.059	7.5
%RSD	1.326	.0054	.0112	.6509	.2698	1.032	.5837	2.647	1.456
#1	.5540	.5573	2.172	2.167	.5324	2.023	.5325	2.167	511.6
#2	.5437	.5574	2.172	2.187	.5344	2.053	.5281	2.250	522.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.861**	**65.34**	**28.70**	**146.0**	**5.080**	**2.137**	**2.093**	**12.73**	**2.137**
Stddev	.050	.80	.42	2.2	.008	.001	.004	.02	.002
%RSD	2.709	1.226	1.453	1.504	.1625	.0558	.2048	.1264	.0894
#1	1.825	64.77	28.40	144.4	5.074	2.136	2.090	12.72	2.136
#2	1.897	65.90	28.99	147.5	5.086	2.138	2.096	12.74	2.139

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.540**	**2.187**	**.0362**	**-.0010**	**389.0**	**-.0013**	**.1156**
Stddev	.121	.002	.0019	.0008	.1	.0006	.0009
%RSD	1.607	.1011	5.191	72.74	.0378	46.07	.7421
#1	7.455	2.185	.0375	-.0005	388.9	-.0009	.1150
#2	7.626	2.189	.0349	-.0016	389.1	-.0017	.1162

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58251.	11387.	1969.8	3920.1
Stddev	49.	108.	.0	1.0
%RSD	.08353	.95227	.00011	.02561
#1	58217.	11464.	1969.8	3919.4
#2	58286.	11310.	1969.8	3920.8

Zoom In ▶ Zoom Out

Sample Name: jb69451-6f Acquired: 6/23/2014 19:42:04 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (187)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0268**	**-.0010**	**.0004**	**.0008**	**.0003**	**-.0007**	**1.488**	**.0026**	**.0030**
Stddev	.0004	.0001	.0006	.0009	.0010	.0014	.004	.0012	.0009
%RSD	1.606	14.30	145.7	111.2	323.7	189.0	.2359	46.79	29.38
#1	.0271	-.0009	.0008	.0002	.0011	-.0017	1.485	.0034	.0037
#2	.0265	-.0011	-.0000	.0015	-.0004	.0002	1.490	.0017	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0029**	**.0191**	**-.0006**	**-.0087**	**-.0020**	**.0005**	**-.0040**	**.1393**	**468.9**
Stddev	.0007	.0002	.0016	.0101	.0045	.0098	.0013	.0125	1.1
%RSD	22.47	1.227	277.2	115.5	220.6	2119.	33.69	8.964	.2354
#1	.0025	.0193	-.0017	-.0016	.0011	-.0064	-.0049	.1305	468.1
#2	.0034	.0190	.0006	-.0158	-.0052	.0074	-.0030	.1481	469.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7392**	**37.12**	**2.072**	**114.3**	**2.730**	**.0198**	**.0064**	**10.15**	**-.0025**
Stddev	.0003	.22	.075	.1	.000	.0008	.0039	.00	.0013
%RSD	.0342	.5804	3.613	.0567	.0064	4.149	61.50	.0289	50.34
#1	.7394	36.97	2.125	114.4	2.730	.0204	.0036	10.15	-.0016
#2	.7390	37.28	2.019	114.3	2.729	.0192	.0092	10.15	-.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.243**	**.0003**	**-.0082**	**-.0005**	**371.3**	**-.0037**	**.1089**
Stddev	.002	.0040	.0012	.0005	.1	.0020	.0023
%RSD	.0433	1503.	14.03	107.2	.0169	53.78	2.092
#1	5.241	.0031	-.0090	-.0008	371.2	-.0023	.1073
#2	5.244	-.0026	-.0074	-.0001	371.3	-.0051	.1105

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58996.	11527.	1997.4	3997.5
Stddev	65.	49.	1.8	1.0
%RSD	.11083	.42578	.09256	.02508
#1	59042.	11561.	1998.7	3996.8
#2	58949.	11492.	1996.1	3998.2

Zoom In ▶ Zoom Out

Sample Name: mp80187-sd1 Acquired: 6/23/2014 19:48:11 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 5X 451-6f

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0339**	**-.0045**	**-.0012**	**.0033**	**-.0063**	**.0055**	**1.503**	**.0088**	**.0050**
Stddev	.0039	.0004	.0028	.0019	.0014	.0010	.007	.0023	.0016
%RSD	11.41	8.612	228.4	56.91	23.09	17.85	.4786	26.47	31.94
#1	.0311	-.0047	-.0032	.0019	-.0073	.0061	1.508	.0104	.0039
#2	.0366	-.0042	.0008	.0046	-.0052	.0048	1.497	.0072	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.0555**	**-.0304**	**-.0003**	**-.0070**	**-.0071**	**.0122**	**.1498**	**472.6**
Stddev	.0081	.0012	.0011	.0466	.0073	.0008	.0061	.0906	2.2
%RSD	171.0	2.086	3.746	15840.	104.2	11.79	49.76	60.50	.4568
#1	-.0010	.0547	-.0296	-.0332	-.0121	-.0077	.0079	.0857	474.1
#2	.0104	.0563	-.0312	.0326	-.0018	-.0065	.0165	.2139	471.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8097**	**37.21**	**1.832**	**111.4**	**2.654**	**.0147**	**.0337**	**10.07**	**-.0035**
Stddev	.0057	.70	.168	.5	.019	.0067	.0025	.01	.0116
%RSD	.6982	1.891	9.189	.4339	.7194	45.89	7.421	.1093	326.8
#1	.8057	37.71	1.713	111.8	2.641	.0099	.0354	10.06	.0046
#2	.8137	36.72	1.951	111.1	2.668	.0195	.0319	10.08	-.0117

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.212**	**.0062**	**-.1334**	**-.0073**	**361.6**	**-.0091**	**.0884**
Stddev	.026	.0156	.0300	.0016	.1	.0253	.0029
%RSD	.5085	249.2	22.51	21.74	.0303	278.9	3.322
#1	5.230	-.0048	-.1122	-.0061	361.7	.0088	.0904
#2	5.193	.0172	-.1546	-.0084	361.5	-.0270	.0863

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	60920.	11657.	2077.1	4264.2
Stddev	82.	39.	1.5	2.6
%RSD	.13436	.33438	.07137	.06080
#1	60862.	11629.	2076.1	4262.4
#2	60978.	11684.	2078.2	4266.1

Zoom In Zoom Out

Sample Name: jb69451-4f Acquired: 6/23/2014 19:54:18 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0253**	**-.0002**	**.0005**	**.0011**	**-.0003**	**-.0015**	**2.032**	**.0030**	**.0045**
Stddev	.0003	.0000	.0000	.0002	.0005	.0000	.002	.0003	.0001
%RSD	.9925	7.090	5.545	18.81	173.1	2.520	.0813	8.526	2.125
#1	.0251	-.0002	.0005	.0010	-.0006	-.0014	2.033	.0031	.0046
#2	.0255	-.0002	.0005	.0013	.0001	-.0015	2.031	.0028	.0044

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0041**	**.0039**	**.0000**	**-.0165**	**.0032**	**.0043**	**.0007**	**.1184**	**383.7**
Stddev	.0004	.0000	.0008	.0003	.0007	.0029	.0018	.0035	.7
%RSD	10.34	1.138	1770.	1.795	22.14	66.17	250.2	2.967	.1724
#1	.0044	.0039	-.0005	-.0167	.0027	.0023	-.0006	.1209	383.3
#2	.0038	.0038	.0006	-.0163	.0037	.0064	.0020	.1160	384.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0840**	**98.38**	**8.392**	**200.2**	**.1181**	**-.0002**	**.0201**	**15.11**	**-.0024**
Stddev	.0031	.28	.020	1.9	.0001	.0002	.0010	.03	.0008
%RSD	3.686	.2879	.2373	.9614	.0966	144.1	4.772	.2117	35.75
#1	.0818	98.18	8.378	201.6	.1180	-.0003	.0207	15.14	-.0030
#2	.0862	98.58	8.406	198.9	.1182	.0000	.0194	15.09	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.340**	**.0001**	**.0098**	**.0004**	**379.6**	**-.0041**	**.1052**
Stddev	.004	.0005	.0016	.0000	.3	.0001	.0008
%RSD	.3261	668.2	16.43	8.485	.0896	1.486	.7255
#1	1.337	-.0003	.0109	.0004	379.8	-.0041	.1047
#2	1.343	.0005	.0086	.0004	379.3	-.0042	.1058

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53556.**	**11104.**	**1772.2**	**3430.4**
Stddev	101.	5.	4.6	5.0
%RSD	.18783	.04379	.25702	.14714
#1	53485.	11108.	1769.0	3426.8
#2	53627.	11101.	1775.4	3433.9

Zoom In Zoom Out

Sample Name: jb69451-5f Acquired: 6/23/2014 20:00:27 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0135**	**-.0002**	**.0001**	**.0001**	**.0000**	**.0022**	**.0162**	**.0010**	**.0007**
Stddev	.0002	.0000	.0001	.0000	.0001	.0003	.0007	.0002	.0005
%RSD	1.324	4.696	95.77	84.09	442.5	12.09	4.553	23.26	81.94
#1	.0136	-.0002	.0000	.0000	-.0001	.0024	.0168	.0008	.0003
#2	.0134	-.0002	.0002	.0001	.0001	.0020	.0157	.0011	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0044**	**-.0012**	**.0007**	**-.0005**	**.0023**	**.0005**	**.0137**	**16.72**
Stddev	.0001	.0001	.0002	.0007	.0000	.0011	.0009	.0036	.10
%RSD	23.72	3.177	15.50	113.5	5.366	46.27	189.4	26.15	.5983
#1	.0003	.0045	-.0011	.0001	-.0005	.0031	.0011	.0163	16.79
#2	.0004	.0043	-.0014	.0012	-.0005	.0016	-.0002	.0112	16.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0942**	**2.536**	**.3746**	**133.8**	**.0116**	**.0003**	**.0002**	**.5838**	**.0009**
Stddev	.0037	.033	.0132	.2	.0007	.0001	.0014	.0026	.0002
%RSD	3.976	1.316	3.533	.1859	6.270	20.84	559.3	.4533	25.14
#1	.0969	2.560	.3652	133.9	.0111	.0004	.0012	.5819	.0010
#2	.0916	2.513	.3840	133.6	.0121	.0003	-.0007	.5857	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0415**	**.0004**	**-.0065**	**-.0006**	**2.873**	**-.0007**	**.0023**
Stddev	.0003	.0001	.0003	.0001	.010	.0000	.0004
%RSD	.8352	27.99	5.047	20.50	.3425	1.301	15.99
#1	.0418	.0003	-.0067	-.0007	2.866	-.0007	.0026
#2	.0413	.0005	-.0063	-.0005	2.880	-.0007	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56569.**	**11444.**	**1985.1**	**3896.8**
Stddev	2420.	48.	4.3	8.0
%RSD	4.2771	.41972	.21510	.20464
#1	54858.	11410.	1988.1	3902.4
#2	58279.	11478.	1982.0	3891.2

Zoom In Zoom Out

Sample Name: jb69485-1 Acquired: 6/23/2014 20:06:38 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0163**	**-.0002**	**.0002**	**-.0002**	**.0009**	**.0011**	**.0001**	**.0003**	**.0015**
Stddev	.0001	.0000	.0001	.0003	.0005	.0001	.0001	.0005	.0001
%RSD	.3241	15.18	57.14	145.3	59.28	4.950	49.72	155.2	8.829
#1	.0163	-.0002	.0001	.0000	.0013	.0012	.0001	-.0000	.0014
#2	.0163	-.0002	.0003	-.0004	.0005	.0011	.0002	.0007	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0041**	**.0018**	**-.0009**	**-.0012**	**.0008**	**.0006**	**.0003**	**1.653**	**34.34**
Stddev	.0003	.0002	.0008	.0019	.0007	.0003	.0008	.005	.07
%RSD	7.092	8.663	89.44	155.8	88.35	53.65	275.9	.3288	.1987
#1	.0039	.0017	-.0015	-.0026	.0003	.0004	.0009	1.649	34.39
#2	.0043	.0019	-.0003	.0001	.0013	.0008	-.0003	1.657	34.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0573**	**.0566**	**1.594**	**1.351**	**.0082**	**.0000**	**.0057**	**5.160**	**-.0001**
Stddev	.0037	.0112	.009	.005	.0009	.0002	.0005	.086	.0000
%RSD	6.538	19.71	.5786	.4010	10.61	3912.	8.861	1.658	22.60
#1	.0599	.0645	1.587	1.348	.0076	-.0001	.0060	5.100	-.0001
#2	.0546	.0487	1.600	1.355	.0088	.0001	.0053	5.221	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0747**	**.0003**	**-.0009**	**-.0004**	**2.798**	**-.0016**	**.0028**
Stddev	.0004	.0001	.0004	.0003	.051	.0006	.0005
%RSD	.5285	41.20	40.58	71.51	1.836	34.26	16.10
#1	.0744	.0002	-.0012	-.0006	2.761	-.0020	.0032
#2	.0750	.0004	-.0007	-.0002	2.834	-.0012	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60702.**	**11653.**	**2038.7**	**4158.6**
Stddev	81.	41.	26.9	53.4
%RSD	.13349	.35101	1.3203	1.2843
#1	60645.	11624.	2057.7	4196.3
#2	60759.	11682.	2019.6	4120.8

Zoom In Zoom Out

Sample Name: jb69485-2 Acquired: 6/23/2014 20:12:43 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0385**	**-.0002**	**.0001**	**.0001**	**.0010**	**.0029**	**.0002**	**.0004**	**.0012**
Stddev	.0008	.0000	.0001	.0000	.0002	.0000	.0000	.0004	.0003
%RSD	2.173	10.09	103.1	6.807	16.89	.0826	15.47	85.78	29.78
#1	.0379	-.0002	.0003	.0001	.0011	.0029	.0002	.0007	.0009
#2	.0391	-.0002	.0000	.0001	.0009	.0029	.0002	.0002	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0028**	**.0030**	**-.0006**	**.0008**	**-.0006**	**.0015**	**-.0001**	**2.082**	**45.73**
Stddev	.0000	.0000	.0004	.0009	.0009	.0009	.0018	.039	.55
%RSD	.5401	1.569	57.80	109.0	154.4	58.27	1370.	1.883	1.211
#1	.0027	.0029	-.0009	.0014	-.0012	.0009	.0011	2.054	45.34
#2	.0028	.0030	-.0004	.0002	.0001	.0022	-.0014	2.109	46.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0246**	**.0134**	**3.366**	**2.082**	**.0095**	**-.0001**	**.0048**	**3.921**	**-.0001**
Stddev	.0013	.0037	.061	.044	.0003	.0000	.0001	.011	.0002
%RSD	5.170	27.96	1.802	2.105	3.667	23.77	1.494	.2719	159.3
#1	.0237	.0160	3.323	2.051	.0098	-.0001	.0048	3.914	-.0003
#2	.0255	.0107	3.409	2.113	.0093	-.0001	.0049	3.929	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1395**	**-.0000**	**-.0036**	**-.0002**	**2.111**	**-.0015**	**.0077**
Stddev	.0025	.0003	.0002	.0002	.002	.0005	.0002
%RSD	1.828	706.2	4.734	116.9	.0724	31.61	2.549
#1	.1377	.0002	-.0037	-.0003	2.110	-.0019	.0076
#2	.1413	-.0003	-.0035	-.0000	2.112	-.0012	.0078

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60701.**	**11486.**	**2033.9**	**4123.5**
Stddev	52.	140.	3.5	5.7
%RSD	.08644	1.2196	.17095	.13744
#1	60738.	11585.	2036.4	4127.5
#2	60664.	11387.	2031.5	4119.5

Zoom In Zoom Out

Sample Name: jb69485-3 Acquired: 6/23/2014 20:18:49 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0482**	**-.0002**	**.0002**	**-.0000**	**.0007**	**.0017**	**.0003**	**.0004**	**.0014**
Stddev	.0001	.0000	.0002	.0001	.0000	.0000	.0000	.0002	.0002
%RSD	.1115	16.34	117.6	568.3	2.411	.4665	3.012	65.62	12.78
#1	.0482	-.0001	.0003	.0001	.0007	.0017	.0003	.0005	.0015
#2	.0482	-.0002	.0000	-.0001	.0008	.0017	.0003	.0002	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0026**	**.0023**	**-.0002**	**.0005**	**.0004**	**.0014**	**.0002**	**2.245**	**49.31**
Stddev	.0001	.0003	.0006	.0002	.0009	.0008	.0005	.017	.19
%RSD	1.988	12.04	379.3	30.48	222.4	57.53	266.4	.7620	.3765
#1	.0026	.0021	-.0006	.0004	.0010	.0020	-.0002	2.233	49.18
#2	.0026	.0025	.0003	.0006	-.0002	.0008	.0006	2.257	49.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0219**	**.0358**	**3.656**	**4.054**	**.0115**	**-.0000**	**.0034**	**3.668**	**-.0007**
Stddev	.0000	.0120	.039	.006	.0002	.0001	.0008	.019	.0002
%RSD	.0855	33.61	1.063	.1445	1.403	294.3	24.74	.5074	24.18
#1	.0220	.0273	3.629	4.050	.0116	.0000	.0040	3.681	-.0006
#2	.0219	.0443	3.684	4.058	.0114	-.0001	.0028	3.655	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1677**	**.0000**	**-.0034**	**-.0003**	**3.582**	**-.0010**	**.0069**
Stddev	.0005	.0000	.0001	.0000	.020	.0002	.0004
%RSD	.3255	21.15	3.525	8.044	.5626	19.19	6.090
#1	.1673	.0000	-.0034	-.0003	3.596	-.0011	.0072
#2	.1680	.0000	-.0033	-.0003	3.568	-.0008	.0066

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59842.**	**11624.**	**2030.2**	**4115.0**
Stddev	420.	15.	9.8	20.0
%RSD	.70126	.12732	.48105	.48581
#1	59545.	11613.	2023.2	4100.9
#2	60139.	11634.	2037.1	4129.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 20:24:56 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.096**	**2.077**	**2.085**	**2.146**	**2.033**	**2.136**	**2.112**	**.2560**
Stddev	.032	.040	.004	.004	.013	.011	.005	.001	.0001
%RSD	1.519	1.885	.1738	.2058	.5940	.5462	.2290	.0674	.0515
#1	2.103	2.124	2.074	2.082	2.137	2.025	2.132	2.111	.2561
#2	2.058	2.068	2.079	2.088	2.155	2.041	2.139	2.113	.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	**2.112**	**2.160**	**2.058**	**2.160**	**2.119**	**2.049**	**2.052**	**41.22**	**41.68**
Stddev	.012	.007	.001	.004	.002	.013	.006	.71	.82
%RSD	.5769	.3433	.0517	.1860	.0930	.6085	.2759	1.735	1.958
#1	2.103	2.155	2.057	2.158	2.118	2.041	2.048	41.72	42.26
#2	2.120	2.165	2.058	2.163	2.121	2.058	2.056	40.71	41.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.73**	**41.10**	**41.82**	**41.69**	**2.101**	**2.120**	**2.052**	**5.116**	**2.143**
Stddev	.84	.76	.67	.66	.005	.006	.001	.010	.003
%RSD	2.002	1.858	1.614	1.580	.2361	.2911	.0563	.1909	.1254
#1	42.32	41.64	42.29	42.16	2.097	2.116	2.052	5.109	2.141
#2	41.13	40.56	41.34	41.23	2.104	2.124	2.053	5.122	2.144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 20:24:56 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.091**	**2.108**	**2.042**	**2.052**	**2.039**	**2.031**	**2.064**
Stddev	.033	.004	.022	.009	.007	.004	.029
%RSD	1.595	.1827	1.104	.4436	.3397	.1874	1.395
#1	2.114	2.105	2.026	2.046	2.034	2.028	2.084
#2	2.067	2.111	2.058	2.059	2.044	2.034	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	**57834.**	**11307.**	**1979.5**	**3840.0**
Stddev	216.	185.	2.9	2.1
%RSD	.37272	1.6388	.14747	.05563
#1	57987.	11176.	1981.5	3841.5
#2	57682.	11438.	1977.4	3838.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 20:30:51 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0005**	**.0006**	**.0006**	**.0007**	**.0009**	**.0007**	**.0009**
Stddev	.0002	.0001	.0001	.0000	.0002	.0001	.0001	.0001
%RSD	36.38	15.73	8.885	.3604	28.44	11.80	17.43	8.371
#1	.0004	.0004	.0007	.0006	.0009	.0010	.0006	.0010
#2	.0006	.0005	.0006	.0006	.0006	.0008	.0008	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0012**	**.0006**	**.0013**	**.0015**	**.0001**	**-.0002**	**.0005**
Stddev	.0000	.0004	.0001	.0002	.0001	.0006	.0004	.0001
%RSD	8.083	32.75	22.66	13.79	8.641	909.0	254.2	28.11
#1	.0004	.0009	.0007	.0014	.0014	.0005	-.0005	.0004
#2	.0003	.0015	.0005	.0011	.0016	-.0003	.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0093**	**.0151**	W **.0118**	**.0151**	**.0052**	**.0139**	**.0006**	**.0013**
Stddev	.0067	.0031	.0010	.0117	.0072	.0013	.0004	.0002
%RSD	71.63	20.54	8.278	77.54	137.3	9.281	68.31	12.67
#1	.0046	.0129	.0112	.0234	.0002	.0130	.0009	.0014
#2	.0141	.0173	.0125	.0068	.0103	.0148	.0003	.0011
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 20:30:51 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0040**	**.0002**	**.0005**	**.0007**	**.0112**	**.0011**	**.0030**
Stddev	.0010	.0011	.0001	.0001	.0000	.0020	.0000	.0007
%RSD	75.95	27.75	90.47	25.02	7.450	18.16	1.370	22.75
#1	.0006	.0048	.0001	.0004	.0007	.0127	.0011	.0034
#2	.0019	.0032	.0003	.0006	.0006	.0098	.0011	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0001**	**.0009**
Stddev	.0025	.0004
%RSD	2225.	40.11
#1	.0016	.0011
#2	-.0019	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62257.**	**11709.**	**2122.7**	**4402.0**
Stddev	81.	30.	7.4	8.7
%RSD	.13029	.25844	.34826	.19659
#1	62200.	11688.	2127.9	4408.2
#2	62314.	11731.	2117.5	4395.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 20:37:02 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2055**	**.0020**	**.0035**	**.0516**	**.0112**	**.0107**	**.0163**	**.0107**	**.0058**
Stddev	.0002	.0001	.0000	.0003	.0001	.0004	.0000	.0001	.0000
%RSD	.1199	3.263	.6830	.6048	1.028	3.832	.2294	1.127	.2134
#1	.2053	.0019	.0035	.0518	.0113	.0110	.0163	.0108	.0058
#2	.2057	.0020	.0034	.0513	.0112	.0104	.0163	.0106	.0058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0570**	**.0241**	**.0087**	**.0117**	**.0028**	**.0128**	**.0063**	**.2036**	**5.176**
Stddev	.0001	.0001	.0005	.0009	.0003	.0003	.0005	.0058	.016
%RSD	.1614	.4401	5.447	8.051	12.25	2.361	7.581	2.836	.3020
#1	.0569	.0240	.0090	.0123	.0031	.0126	.0067	.2077	5.187
#2	.0570	.0242	.0084	.0110	.0026	.0131	.0060	.1995	5.165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1090**	**5.201**	**4.998**	**5.073**	**.1050**	**.0217**	**.0554**	**.2039**	**.0112**
Stddev	.0002	.001	.018	.010	.0004	.0002	.0004	.0007	.0001
%RSD	.1849	.0180	.3581	.1897	.3916	1.125	.7884	.3627	.7777
#1	.1089	5.201	5.011	5.066	.1053	.0215	.0557	.2045	.0111
#2	.1092	5.200	4.986	5.080	.1048	.0218	.0550	.2034	.0113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 20:37:02 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0104**	**.0589**	**.0108**	**.0536**	**.0205**	**.0205**
Stddev	.0001	.0005	.0016	.0002	.0013	.0000	.0007
%RSD	.8493	4.728	2.742	1.704	2.477	.0686	3.377
#1	.0107	.0108	.0600	.0107	.0546	.0205	.0200
#2	.0105	.0101	.0577	.0109	.0527	.0205	.0210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61187.**	**11630.**	**2089.0**	**4272.2**
Stddev	45.	38.	7.4	8.8
%RSD	.07288	.32554	.35652	.20590
#1	61156.	11656.	2083.7	4266.0
#2	61219.	11603.	2094.3	4278.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 20:43:10 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0009**	**.0012**	**.0028**	**.0019**	**.0025**	**.0032**	**.0043**
Stddev	.0003	.0000	.0000	.0001	.0002	.0003	.0000	.0001
%RSD	7.146	3.009	1.376	3.640	11.44	12.72	1.535	2.807
#1	.0039	.0009	.0012	.0029	.0021	.0027	.0032	.0042
#2	.0043	.0009	.0012	.0027	.0017	.0022	.0031	.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**	**.0023**	**.0120**	**.0027**	**.0017**	**.0027**	**.0057**	**.0034**
Stddev	.0003	.0002	.0003	.0006	.0010	.0002	.0006	.0012
%RSD	21.22	7.281	2.291	21.95	61.98	6.264	10.37	34.80
#1	.0017	.0024	.0122	.0023	.0024	.0028	.0053	.0025
#2	.0013	.0022	.0118	.0032	.0009	.0025	.0062	.0042
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0010							
Range	30.00%							

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0966**	**1.041**	**-.0020**	**.0947**	**2.027**	**1.032**	**.0101**	**-.0001**
Stddev	.0047	.004	.0005	.0185	.009	.010	.0004	.0003
%RSD	4.891	.3454	27.74	19.52	.4242	.9454	3.537	324.2
#1	.1000	1.044	-.0024	.1078	2.033	1.025	.0103	.0001
#2	.0933	1.039	-.0016	.0816	2.021	1.039	.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: 6/23/2014 20:43:10 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0006**	**-.0000**	**-.0002**	**-.0003**	F **-.0023**	F **-.0002**	F **.0021**
Stddev	.0024	.0001	.0001	.0000	.0001	.0002	.0000	.0025
%RSD	2056.	25.32	254.0	12.92	19.11	6.637	1.639	117.0
#1	.0018	-.0007	-.0001	-.0002	-.0002	-.0024	-.0002	.0039
#2	-.0016	-.0005	.0000	-.0001	-.0003	-.0022	-.0002	.0004
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0003**	F **-.0003**
Stddev	.0006	.0003
%RSD	194.7	79.00
#1	-.0007	-.0002
#2	.0001	-.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	**61831.**	**11648.**	**2110.8**	**4363.0**
Stddev	11.	51.	1.1	4.3
%RSD	.01746	.43510	.05284	.09964
#1	61824.	11684.	2111.6	4366.1
#2	61839.	11613.	2110.0	4359.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/23/2014 20:49:21 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0001**	**.0002**	**.0000**	**.0002**	**.0002**	**-.0001**	**.0000**	**.0003**
Stddev	.0001	.0000	.0000	.0002	.0000	.0002	.0000	.0001	.0007
%RSD	33.07	.0692	17.89	485.0	21.78	98.24	11.79	752.4	223.5
#1	-.0003	-.0001	.0002	.0002	.0002	.0004	-.0001	-.0000	-.0002
#2	-.0002	-.0001	.0002	-.0001	.0002	.0001	-.0001	.0001	.0008
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**	**.0007**	**.0192**	**-.0007**	**.0205**	**.0201**	**.0208**	**.5171**	**.0068**
Stddev	.0000	.0001	.0010	.0009	.0000	.0001	.0010	.0146	.0005
%RSD	7.870	9.744	5.221	129.6	.0934	.6458	4.666	2.824	6.854
#1	.0005	.0007	.0199	-.0001	.0205	.0202	.0215	.5068	.0071
#2	.0004	.0006	.0184	-.0013	.0205	.0200	.0201	.5275	.0065
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	**.5436**	**.0189**	**-.0039**	**-.0055**	**-.0007**	**-.0003**	**.0006**	**-.0005**	**.0001**
Stddev	.0127	.0114	.0163	.0037	.0002	.0001	.0011	.0004	.0003
%RSD	2.327	60.05	414.6	67.68	33.34	47.08	183.0	74.36	221.3
#1	.5346	.0109	.0076	-.0029	-.0005	-.0004	.0014	-.0002	.0003
#2	.5525	.0270	-.0155	-.0081	-.0009	-.0002	-.0002	-.0008	-.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/23/2014 20:49:21 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**-.0059**	**-.0002**	**.0021**	**-.0005**	**-.0008**
Stddev	.0000	.0003	.0008	.0000	.0004	.0004	.0005
%RSD	19.37	168.9	13.54	17.15	21.07	78.39	59.39
#1	-.0001	.0000	-.0053	-.0002	.0024	-.0002	-.0005
#2	-.0001	-.0003	-.0065	-.0002	.0018	-.0008	-.0011
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	**62079.**	**11643.**	**2108.3**	**4376.6**
Stddev	88.	194.	4.3	6.2
%RSD	.14218	1.6670	.20500	.14055
#1	62017.	11781.	2105.2	4372.2
#2	62142.	11506.	2111.3	4380.9

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 20:55:33 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**-.0002**	**.0009**	**.0006**	**.0017**	**-.0072**	**.0210**	**-.0014**	**.0049**
Stddev	.0001	.0000	.0002	.0001	.0003	.0002	.0001	.0003	.0005
%RSD	5.634	21.37	22.62	9.791	16.20	2.821	.4179	23.17	9.328
#1	-.0018	-.0002	.0008	.0006	.0019	-.0073	.0209	-.0012	.0052
#2	-.0017	-.0001	.0011	.0005	.0015	-.0070	.0210	-.0016	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**-.0003**	**-.0015**	**-.0002**	**-.0012**	**-.0059**	**.0067**	**524.9**	**404.1**
Stddev	.0000	.0002	.0006	.0026	.0010	.0033	.0025	2.0	1.0
%RSD	4.425	68.74	38.13	1567.	81.40	55.39	37.17	.3870	.2460
#1	.0011	-.0004	-.0011	.0016	-.0018	-.0036	.0084	526.3	403.4
#2	.0010	-.0002	-.0019	-.0020	-.0005	-.0082	.0049	523.4	404.8
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	**190.5**	**540.9**	**.1905**	**.0082**	**-.0016**	**-.0016**	**-.0013**	**-.0031**	**-.0023**
Stddev	.2	.2	.0173	.0079	.0002	.0004	.0013	.0013	.0021
%RSD	.0823	.0417	9.079	95.86	12.59	23.65	100.5	40.96	91.85
#1	190.6	540.7	.1783	.0026	-.0014	-.0013	-.0022	-.0040	-.0008
#2	190.4	541.0	.2027	.0138	-.0017	-.0018	-.0004	-.0022	-.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 20:55:33 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0004**	**-.0020**	**.0015**	**-.0357**	**-.0133**	**.0035**
Stddev	.0000	.0002	.0007	.0001	.0047	.0002	.0004
%RSD	.3605	55.95	33.32	4.262	13.14	1.782	12.64
#1	-.0055	.0006	-.0016	.0014	-.0390	-.0134	.0032
#2	-.0055	.0003	-.0025	.0015	-.0324	-.0131	.0038
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	**52756.**	**10715.**	**1804.1**	**3338.4**
Stddev	150.	21.	8.5	10.1
%RSD	.28417	.19688	.47263	.30336
#1	52650.	10730.	1798.0	3331.2
#2	52862.	10700.	1810.1	3345.6

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/23/2014 21:01:39 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5328**	**.5220**	**1.032**	**.4920**	**.5028**	**.5321**	**.5279**	**.9845**	**1.048**
Stddev	.0114	.0131	.004	.0018	.0013	.0022	.0031	.0021	.005
%RSD	2.144	2.516	.3768	.3745	.2510	.4102	.5801	.2150	.5201
#1	.5409	.5313	1.029	.4907	.5037	.5337	.5301	.9830	1.052
#2	.5248	.5127	1.034	.4933	.5019	.5306	.5257	.9860	1.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5161**	**.9848**	**1.079**	**.9671**	**.9719**	**1.071**	**1.059**	**524.0**	**393.7**
Stddev	.0030	.0025	.008	.0041	.0039	.003	.008	11.1	9.1
%RSD	.5885	.2575	.7642	.4213	.3988	.2715	.7222	2.117	2.302
#1	.5182	.9830	1.073	.9642	.9691	1.069	1.053	531.8	400.1
#2	.5139	.9866	1.085	.9700	.9746	1.073	1.064	516.1	387.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**197.0**	**538.8**	**.2041**	**.0247**	**.0026**	**.5075**	**.5571**	**-.0025**	**-.0024**
Stddev	4.1	12.0	.0032	.0032	.0004	.0012	.0003	.0006	.0014
%RSD	2.069	2.226	1.562	13.04	16.09	.2405	.0566	22.82	56.29
#1	199.9	547.3	.2018	.0270	.0023	.5066	.5574	-.0029	-.0015
#2	194.1	530.3	.2063	.0224	.0029	.5084	.5569	-.0021	-.0034
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/23/2014 21:01:39 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0004**	**.5528**	**.5968**	**.4556**	**.5382**	**.5769**
Stddev	.0001	.0006	.0011	.0011	.0049	.0027	.0131
%RSD	2.234	179.9	.2008	.1881	1.066	.4968	2.269
#1	-.0054	-.0001	.5520	.5976	.4590	.5363	.5861
#2	-.0053	.0008	.5536	.5960	.4521	.5401	.5676
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	**53013.**	**10584.**	**1831.0**	**3388.5**
Stddev	164.	204.	5.4	10.7
%RSD	.30877	1.9234	.29366	.31530
#1	52897.	10440.	1834.8	3396.0
#2	53129.	10728.	1827.2	3380.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 21:07:36 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.062**	**2.094**	**2.053**	**2.063**	**2.134**	**2.019**	**2.114**	**2.088**	**2.540**
Stddev	.051	.045	.008	.005	.009	.008	.009	.006	.0013
%RSD	2.458	2.155	.4008	.2598	.4200	.3792	.4240	.2706	.5259
#1	2.098	2.126	2.048	2.059	2.140	2.024	2.121	2.084	.2550
#2	2.026	2.062	2.059	2.067	2.128	2.013	2.108	2.092	.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	**2.112**	**2.146**	**2.033**	**2.142**	**2.100**	**2.034**	**2.027**	**40.78**	**41.34**
Stddev	.008	.008	.009	.001	.000	.004	.010	.96	.93
%RSD	.3854	.3741	.4222	.0278	.0160	.1915	.5101	2.351	2.258
#1	2.117	2.140	2.027	2.142	2.100	2.031	2.019	41.46	42.00
#2	2.106	2.152	2.039	2.142	2.101	2.037	2.034	40.10	40.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.54**	**40.74**	**41.56**	**41.58**	**2.078**	**2.102**	**2.039**	**5.068**	**2.118**
Stddev	1.10	.88	.92	.94	.009	.009	.016	.030	.010
%RSD	2.642	2.169	2.222	2.268	.4353	.4521	.7598	.5982	.4759
#1	42.32	41.36	42.21	42.25	2.072	2.096	2.050	5.047	2.111
#2	40.77	40.11	40.90	40.92	2.085	2.109	2.028	5.089	2.126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 21:07:36 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.092**	**2.041**	**2.039**	**2.015**	**2.001**	**2.035**
Stddev	.051	.009	.028	.007	.005	.009	.048
%RSD	2.442	.4419	1.365	.3480	.2477	.4662	2.348
#1	2.115	2.099	2.021	2.044	2.011	1.994	2.069
#2	2.044	2.085	2.061	2.034	2.018	2.007	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	**58072.**	**11225.**	**1998.7**	**3876.5**
Stddev	103.	204.	8.8	13.7
%RSD	.17681	1.8166	.44100	.35282
#1	58000.	11081.	2004.9	3886.2
#2	58145.	11369.	1992.5	3866.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 21:13:32 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**.0003**	**.0002**	**.0004**	**.0003**	**.0002**	**.0002**
Stddev	.0001	.0001	.0000	.0002	.0002	.0001	.0001	.0005
%RSD	32.19	18.34	12.02	108.8	40.95	25.39	34.57	217.7
#1	.0001	.0003	.0003	.0003	.0005	.0003	.0003	.0006
#2	.0002	.0003	.0003	.0000	.0003	.0002	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0004**	**.0002**	**-.0001**	**-.0005**	**-.0007**	**-.0001**	**.0008**
Stddev	.0001	.0001	.0001	.0008	.0010	.0012	.0011	.0005
%RSD	975.7	28.71	39.71	936.8	202.8	172.7	1357.	59.86
#1	.0000	.0005	.0003	-.0006	.0002	-.0016	-.0009	.0005
#2	-.0001	.0004	.0002	.0005	-.0012	.0002	.0007	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0261**	**.0321**	W **.0191**	**.0592**	**-.0043**	**.0107**	**.0000**	**.0009**
Stddev	.0072	.0062	.0005	.0147	.0243	.0042	.0001	.0002
%RSD	27.70	19.38	2.362	24.82	571.8	39.13	264.5	23.54
#1	.0210	.0365	.0194	.0488	-.0215	.0137	.0001	.0011
#2	.0312	.0277	.0188	.0695	.0130	.0077	-.0000	.0008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 21:13:32 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0006**	**.0006**	**.0003**	**.0003**	**.0117**	**.0008**	**.0022**
Stddev	.0008	.0015	.0005	.0001	.0003	.0007	.0001	.0032
%RSD	70.52	228.9	76.28	41.78	100.0	5.985	15.39	146.6
#1	.0006	-.0004	.0003	.0003	.0005	.0122	.0009	.0045
#2	.0017	.0017	.0009	.0002	.0001	.0112	.0007	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0001**	**-.0006**
Stddev	.0013	.0007
%RSD	1159.	131.9
#1	.0010	-.0000
#2	-.0008	-.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	**61918.**	**11609.**	**2118.3**	**4402.6**
Stddev	98.	18.	1.4	8.6
%RSD	.15808	.15566	.06641	.19434
#1	61849.	11621.	2119.3	4408.7
#2	61987.	11596.	2117.3	4396.6

Zoom In Zoom Out

Sample Name: mp80160-sd1 1 Acquired: 6/23/2014 21:19:42 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0362**	**.0000**	**.0005**	**.0013**	**.0020**	**.0036**	**.0015**	**.0006**	**.0041**
Stddev	.0004	.0006	.0004	.0009	.0010	.0003	.0001	.0009	.0015
%RSD	1.112	1960.	80.73	73.11	49.25	8.260	6.549	153.0	38.04
#1	.0365	.0004	.0002	.0019	.0013	.0038	.0015	-.0000	.0030
#2	.0359	-.0004	.0008	.0006	.0026	.0034	.0014	.0013	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.3169**	**-.0009**	**.0004**	**.0018**	**.0032**	**.0011**	**.1064**	**11.53**
Stddev	.0002	.0025	.0093	.0022	.0031	.0006	.0027	.0158	.06
%RSD	11.18	.7901	993.5	521.0	165.8	18.19	241.9	14.82	.5091
#1	.0019	.3187	.0057	-.0011	-.0003	.0028	.0030	.0952	11.57
#2	.0016	.3151	-.0076	.0020	.0040	.0036	-.0008	.1175	11.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0781**	**1.695**	**1.258**	**7.651**	**.0023**	**.0002**	**.0064**	**3.446**	**.0029**
Stddev	.0017	.028	.008	.038	.0020	.0015	.0053	.023	.0032
%RSD	2.202	1.621	.6071	.4948	83.88	855.8	81.64	.6612	110.0
#1	.0793	1.715	1.253	7.677	.0037	-.0009	.0027	3.462	.0051
#2	.0769	1.676	1.263	7.624	.0010	.0012	.0102	3.429	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0530**	**-.0018**	**-.0003**	**-.0004**	**2.643**	**-.0030**	**.0021**
Stddev	.0002	.0008	.0003	.0007	.020	.0056	.0016
%RSD	.2919	45.73	98.06	177.1	.7370	188.0	78.01
#1	.0531	-.0024	-.0005	.0001	2.657	-.0069	.0032
#2	.0529	-.0012	-.0001	-.0009	2.629	.0010	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61583.**	**11604.**	**2122.3**	**4407.5**
Stddev	148.	46.	8.5	11.3
%RSD	.24035	.39490	.39935	.25640
#1	61688.	11571.	2116.3	4399.6
#2	61479.	11636.	2128.2	4415.5

Zoom In Zoom Out

Sample Name: jb69534-6 Acquired: 6/23/2014 21:25:49 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0112**	**-.0001**	**.0003**	**-.0001**	**.0011**	**.0004**	**.0038**	**.0008**	**.0013**
Stddev	.0003	.0001	.0001	.0001	.0001	.0001	.0000	.0001	.0002
%RSD	2.693	108.1	36.62	54.78	5.250	20.55	.7871	13.77	19.04
#1	.0110	-.0000	.0002	-.0001	.0010	.0004	.0038	.0008	.0015
#2	.0115	-.0002	.0004	-.0002	.0011	.0005	.0038	.0009	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0011**	**-.0002**	**-.0013**	**.0005**	**.0025**	**.0003**	**.1448**	**.9648**
Stddev	.0001	.0000	.0001	.0005	.0007	.0002	.0010	.0150	.0304
%RSD	29.27	1.095	37.54	41.62	140.0	6.090	403.2	10.39	3.150
#1	.0005	.0012	-.0001	-.0016	.0000	.0024	.0010	.1342	.9433
#2	.0003	.0011	-.0002	-.0009	.0010	.0026	-.0005	.1555	.9863

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0975**	**.2003**	**.0213**	**1.688**	**.0108**	**-.0000**	**.0054**	**4.549**	**.0017**
Stddev	.0041	.0096	.0032	.043	.0003	.0001	.0001	.015	.0003
%RSD	4.183	4.783	15.12	2.531	3.198	596.3	2.159	.3279	17.66
#1	.0946	.1935	.0190	1.658	.0106	-.0001	.0055	4.539	.0015
#2	.1004	.2071	.0236	1.719	.0111	.0000	.0053	4.560	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0011**	**.0112**	**.0047**	**.0015**	**.0078**	**-.0011**	**-.0007**
Stddev	.0000	.0005	.0006	.0000	.0024	.0001	.0005
%RSD	1.681	4.269	11.61	1.550	30.14	7.887	68.47
#1	.0011	.0108	.0051	.0014	.0061	-.0010	-.0011
#2	.0011	.0115	.0044	.0015	.0095	-.0011	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61892.**	**11744.**	**2093.5**	**4346.8**
Stddev	17.	251.	5.0	10.7
%RSD	.02821	2.1398	.24105	.24576
#1	61905.	11921.	2097.1	4354.3
#2	61880.	11566.	2090.0	4339.2

Zoom In Zoom Out

Sample Name: jb69565-1 Acquired: 6/23/2014 21:31:57 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1087**	**-.0001**	**.0007**	**.0003**	**.0028**	**.0009**	**.0065**	**.0009**	**.0015**
Stddev	.0005	.0000	.0000	.0000	.0003	.0003	.0001	.0002	.0006
%RSD	.4688	23.60	.8771	7.087	9.245	37.57	1.234	27.56	37.50
#1	.1091	-.0001	.0007	.0003	.0026	.0007	.0064	.0007	.0011
#2	.1084	-.0001	.0007	.0003	.0029	.0011	.0065	.0010	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0038**	**.0056**	**.0033**	**-.0001**	**.0009**	**.0010**	**.0002**	**.2230**	**24.05**
Stddev	.0000	.0002	.0012	.0001	.0003	.0028	.0010	.0083	.05
%RSD	.5671	3.188	38.10	85.36	30.94	295.6	568.7	3.722	.2114
#1	.0038	.0058	.0042	-.0000	.0007	.0030	-.0005	.2289	24.08
#2	.0038	.0055	.0024	-.0002	.0011	-.0010	.0009	.2171	24.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2183**	**9.490**	**4.824**	**32.13**	**.1054**	**.0056**	**.0070**	**7.679**	**.0004**
Stddev	.0021	.020	.009	.02	.0020	.0002	.0014	.150	.0005
%RSD	.9804	.2065	.1950	.0672	1.855	4.291	20.56	1.957	118.4
#1	.2198	9.476	4.818	32.15	.1068	.0057	.0060	7.786	.0008
#2	.2167	9.504	4.831	32.12	.1040	.0054	.0080	7.573	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4391**	**.0074**	**.0049**	**.0000**	**16.68**	**-.0011**	**.0118**
Stddev	.0002	.0002	.0011	.0001	.32	.0007	.0009
%RSD	.0404	3.007	21.74	299.1	1.908	59.80	7.968
#1	.4392	.0075	.0057	.0001	16.90	-.0016	.0125
#2	.4390	.0072	.0042	-.0000	16.45	-.0006	.0112

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59621.**	**11486.**	**2036.4**	**4112.4**
Stddev	64.	2.	37.0	69.8
%RSD	.10700	.01463	1.8154	1.6973
#1	59576.	11484.	2010.2	4063.0
#2	59666.	11487.	2062.5	4161.7

Zoom In Zoom Out

Sample Name: jb69565-1f Acquired: 6/23/2014 21:38:03 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0960**	**-.0002**	**.0003**	**-.0001**	**.0024**	**.0003**	**.0001**	**.0003**	**.0018**
Stddev	.0001	.0000	.0000	.0001	.0005	.0001	.0001	.0003	.0005
%RSD	.1420	23.81	11.30	102.4	22.03	22.03	56.43	80.18	26.33
#1	.0961	-.0001	.0003	-.0002	.0020	.0002	.0001	.0005	.0015
#2	.0959	-.0002	.0003	-.0000	.0027	.0003	.0002	.0001	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0030**	**.0029**	**.0030**	**-.0010**	**.0005**	**.0003**	**.0003**	**.0429**	**23.99**
Stddev	.0003	.0001	.0012	.0011	.0005	.0017	.0006	.0073	.03
%RSD	9.122	2.689	41.09	106.0	93.15	512.8	202.7	17.03	.1077
#1	.0028	.0030	.0038	-.0018	.0008	-.0009	.0007	.0377	24.00
#2	.0032	.0029	.0021	-.0003	.0002	.0016	-.0001	.0480	23.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0048**	**10.05**	**4.979**	**32.48**	**.1055**	**.0057**	**.0091**	**7.646**	**-.0013**
Stddev	.0001	.06	.011	.00	.0000	.0002	.0006	.020	.0008
%RSD	2.152	.5855	.2148	.0144	.0431	3.826	6.650	.2587	63.10
#1	-.0049	10.01	4.987	32.49	.1055	.0055	.0096	7.632	-.0019
#2	-.0048	10.09	4.972	32.48	.1055	.0058	.0087	7.660	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4339**	**-.0004**	**.0032**	**-.0004**	**16.94**	**-.0021**	**.0133**
Stddev	.0006	.0009	.0012	.0001	.01	.0003	.0002
%RSD	.1321	205.3	37.37	21.88	.0387	15.11	1.175
#1	.4343	-.0010	.0023	-.0004	16.94	-.0023	.0134
#2	.4335	.0002	.0040	-.0005	16.93	-.0018	.0132

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59781.**	**11518.**	**2029.4**	**4103.7**
Stddev	200.	44.	3.2	.5
%RSD	.33460	.38282	.15616	.01180
#1	59922.	11549.	2031.6	4104.1
#2	59640.	11486.	2027.2	4103.4

Zoom In Zoom Out

Sample Name: jb69704-1 Acquired: 6/23/2014 21:44:10 Type: Unk
Method: Accutest1(v289) 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	**.0984**	**-.0008**	**.0002**	**.0007**	**.0022**	**.0036**	**12.37**	**.0118**	**.0034**
Stddev	.0019	.0000	.0003	.0002	.0008	.0005	.07	.0003	.0004
%RSD	1.895	1.454	184.5	36.44	38.09	13.91	.5520	2.725	10.44
#1	.0971	-.0008	.0004	.0005	.0016	.0039	12.42	.0120	.0037
#2	.0997	-.0008	-.0001	.0008	.0028	.0032	12.32	.0116	.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0038**	**.0176**	**.0449**	**-.0020**	**.0026**	**.0065**	**-.0006**	**.4964**	**85.44**
Stddev	.0003	.0008	.0018	.0030	.0013	.0006	.0001	.0125	.99
%RSD	8.924	4.407	3.908	148.7	48.40	8.976	18.80	2.520	1.164
#1	.0035	.0171	.0436	-.0042	.0017	.0061	-.0005	.5053	84.73
#2	.0040	.0182	.0461	.0001	.0035	.0069	-.0007	.4876	86.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.11**	**17.65**	**6.572**	**37.99**	**.2053**	**.0103**	**.0087**	**7.386**	**.0010**
Stddev	.16	.14	.116	.44	.0039	.0006	.0033	.077	.0013
%RSD	1.041	.7988	1.763	1.164	1.876	6.034	38.14	1.040	131.0
#1	15.00	17.55	6.490	37.67	.2026	.0107	.0063	7.332	.0001
#2	15.22	17.75	6.654	38.30	.2080	.0098	.0110	7.440	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2334**	**.0138**	**-.0170**	**.0002**	**36.89**	**-.0022**	**.0005**
Stddev	.0029	.0003	.0027	.0003	.33	.0025	.0007
%RSD	1.236	1.941	15.93	130.1	.9038	112.6	131.8
#1	.2313	.0140	-.0151	.0000	36.65	-.0039	.0010
#2	.2354	.0136	-.0189	.0005	37.12	-.0004	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60914.**	**11385.**	**2062.0**	**4198.4**
Stddev	254.	107.	17.9	34.6
%RSD	.41771	.93991	.86878	.82439
#1	60734.	11461.	2074.7	4222.8
#2	61094.	11309.	2049.3	4173.9

Zoom In Zoom Out

Sample Name: mp80207-mb1 2 Acquired: 6/23/2014 21:50:15 Type: Unk
Method: Accutest1(v289) Mode: CONC 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**	**-.0002**	**.0000**	**.0003**	**.0005**	**.0005**	**.0012**	**.0006**	**.0002**
Stddev	.0001	.0000	.0000	.0000	.0008	.0001	.0000	.0000	.0003
%RSD	10.56	1.218	24.18	8.019	144.7	10.64	.7639	.1496	150.4
#1	.0011	-.0002	.0000	.0003	-.0000	.0005	.0012	.0006	-.0000
#2	.0009	-.0002	.0000	.0003	.0011	.0006	.0012	.0006	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0025**	**-.0019**	**-.0012**	**-.0003**	**.0015**	**.0007**	**.0284**	**.0778**
Stddev	.0003	.0000	.0003	.0006	.0000	.0003	.0022	.0003	.0030
%RSD	91.04	1.714	15.90	47.68	7.855	17.20	312.3	.9776	3.834
#1	.0005	.0025	-.0017	-.0008	-.0003	.0017	.0022	.0286	.0799
#2	.0001	.0024	-.0021	-.0016	-.0003	.0014	-.0008	.0282	.0757

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0484**	**.0661**	**-.0033**	**.0241**	**.0002**	**-.0001**	**.0008**	**.0236**	**.0187**
Stddev	.0040	.0021	.0056	.0043	.0003	.0002	.0010	.0004	.0000
%RSD	8.194	3.166	168.9	17.70	183.3	218.9	125.8	1.566	.0946
#1	.0512	.0676	-.0072	.0272	-.0001	.0000	.0016	.0234	.0187
#2	.0456	.0646	.0006	.0211	.0004	-.0002	.0001	.0239	.0187

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0012**	**-.0080**	**-.0003**	**.0072**	**-.0010**	**-.0006**
Stddev	.0000	.0001	.0001	.0001	.0017	.0010	.0002
%RSD	17.94	9.214	.9881	37.69	23.66	95.56	31.55
#1	.0001	.0013	-.0080	-.0004	.0084	-.0017	-.0004
#2	.0001	.0011	-.0079	-.0002	.0060	-.0003	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62297.**	**11709.**	**2109.1**	**4399.8**
Stddev	637.	253.	7.7	10.3
%RSD	1.0218	2.1603	.36565	.23443
#1	61847.	11531.	2114.6	4407.1
#2	62747.	11888.	2103.7	4392.5

Zoom In Zoom Out

Sample Name: mp80207-b1 Acquired: 6/23/2014 21:56:26 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.648**	**.0935**	**.0993**	**.9035**	**.3882**	**.4467**	**.9538**	**.9203**	**.0980**
Stddev	.002	.0002	.0003	.0035	.0001	.0008	.0002	.0045	.0005
%RSD	.0572	.1695	.2942	.3912	.0232	.1803	.0171	.4853	.5188
#1	3.646	.0936	.0991	.9010	.3881	.4461	.9537	.9171	.0977
#2	3.649	.0934	.0995	.9060	.3882	.4472	.9539	.9234	.0984

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9555**	**.9630**	**3.618**	**3.796**	**.9316**	**3.615**	**.8928**	**48.37**	**11.85**
Stddev	.0026	.0030	.014	.013	.0027	.010	.0046	.15	.06
%RSD	.2737	.3070	.3903	.3465	.2882	.2714	.5194	.3004	.4764
#1	.9537	.9609	3.608	3.787	.9297	3.608	.8895	48.27	11.81
#2	.9574	.9651	3.628	3.805	.9335	3.622	.8961	48.47	11.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.67**	**12.02**	**11.97**	**11.96**	**.0002**	**.0020**	**.0016**	**.0583**	**.0185**
Stddev	.17	.13	.01	.01	.0001	.0001	.0011	.0001	.0001
%RSD	.3442	1.093	.0543	.0768	29.74	4.842	66.53	.2072	.5357
#1	48.55	11.92	11.96	11.96	.0002	.0019	.0024	.0584	.0186
#2	48.79	12.11	11.97	11.97	.0002	.0021	.0009	.0582	.0185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0037**	**.0170**	**.0004**	**.0032**	**-.0011**	**.0002**
Stddev	.0001	.0008	.0003	.0002	.0010	.0002	.0001
%RSD	144.2	21.30	1.992	46.55	32.41	15.17	65.72
#1	.0001	.0042	.0168	.0005	.0024	-.0012	.0001
#2	-.0000	.0031	.0173	.0002	.0039	-.0010	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59493.**	**11315.**	**2060.3**	**4078.2**
Stddev	64.	58.	5.3	13.6
%RSD	.10699	.51496	.25554	.33310
#1	59538.	11356.	2064.0	4087.8
#2	59448.	11274.	2056.6	4068.5

Zoom In Zoom Out

Sample Name: mp80207-s1 Acquired: 6/23/2014 22:02:25 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.934**	**.0951**	**.1007**	**.9628**	**.4941**	**.6059**	**3.568**	**1.038**	**.1013**
Stddev	.010	.0002	.0004	.0025	.0046	.0018	.024	.003	.0010
%RSD	.2537	.2070	.4326	.2623	.9261	.2919	.6706	.3123	1.004
#1	3.941	.0952	.1010	.9646	.4909	.6047	3.552	1.041	.1021
#2	3.927	.0949	.1004	.9611	.4973	.6072	3.585	1.036	.1006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.105**	**1.206**	**3.635**	**3.767**	**1.002**	**3.616**	**.5605**	**130.9**	**20.78**
Stddev	.010	.004	.007	.004	.002	.012	.0024	.0	.07
%RSD	.9034	.3553	.2003	.1166	.1867	.3228	.4229	.0061	.3477
#1	1.098	1.209	3.641	3.770	1.003	3.624	.5622	130.9	20.73
#2	1.112	1.203	3.630	3.764	1.000	3.607	.5588	130.9	20.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**171.1**	**41.80**	**29.26**	**13.83**	**.1199**	**.0044**	**.0060**	**4.976**	**.0246**
Stddev	.2	.17	.01	.02	.0001	.0001	.0005	.009	.0017
%RSD	.0942	.4187	.0393	.1801	.0714	1.610	8.809	.1801	7.077
#1	171.2	41.67	29.25	13.85	.1200	.0045	.0056	4.983	.0234
#2	171.0	41.92	29.26	13.82	.1199	.0044	.0064	4.970	.0258

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0740**	**2.273**	**.0234**	**.0656**	**.4074**	**-.0029**	**.1310**
Stddev	.0002	.013	.0000	.0005	.0020	.0009	.0012
%RSD	.2144	.5886	.0376	.7127	.4810	29.83	.8999
#1	.0741	2.263	.0235	.0652	.4060	-.0023	.1301
#2	.0739	2.282	.0234	.0659	.4088	-.0036	.1318

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60125.**	**11696.**	**2061.4**	**3909.3**
Stddev	212.	7.	2.5	5.2
%RSD	.35256	.06397	.12344	.13328
#1	60275.	11691.	2059.6	3905.6
#2	59975.	11702.	2063.2	3913.0

Zoom In Zoom Out

Sample Name: mp80207-s2 Acquired: 6/23/2014 22:08:21 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.123**	**.0988**	**.1041**	**1.006**	**.5102**	**.6288**	**3.837**	**1.064**	**.1056**
Stddev	.009	.0000	.0000	.001	.0020	.0008	.008	.003	.0007
%RSD	.2159	.0472	.0149	.1373	.3997	.1349	.1993	.2361	.6955
#1	4.129	.0988	.1041	1.005	.5088	.6282	3.843	1.062	.1061
#2	4.117	.0987	.1041	1.007	.5117	.6294	3.832	1.066	.1051

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.131**	**1.243**	**3.713**	**3.847**	**1.024**	**3.686**	**.5548**	**139.5**	**23.22**
Stddev	.005	.003	.005	.011	.002	.005	.0022	.7	.11
%RSD	.4067	.2319	.1293	.2949	.2104	.1311	.3898	.4689	.4663
#1	1.134	1.241	3.710	3.839	1.023	3.683	.5563	140.0	23.30
#2	1.127	1.245	3.717	3.855	1.026	3.690	.5533	139.1	23.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**180.3**	**45.64**	**31.65**	**14.55**	**.1308**	**.0045**	**.0058**	**4.233**	**.0252**
Stddev	.8	.18	.14	.04	.0001	.0000	.0006	.010	.0002
%RSD	.4455	.4024	.4571	.2462	.0853	.5133	9.802	.2401	.7524
#1	180.9	45.77	31.75	14.57	.1309	.0045	.0062	4.226	.0251
#2	179.7	45.51	31.55	14.52	.1308	.0045	.0054	4.240	.0254

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0924**	**2.184**	**.0235**	**.0633**	**.4131**	**-.0029**	**.1493**
Stddev	.0001	.003	.0011	.0001	.0026	.0013	.0004
%RSD	.1364	.1202	4.603	.1856	.6198	44.96	.2766
#1	.0925	2.186	.0228	.0634	.4113	-.0020	.1496
#2	.0923	2.183	.0243	.0632	.4149	-.0038	.1490

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59892.**	**11588.**	**2065.4**	**3919.7**
Stddev	11.	63.	1.2	.6
%RSD	.01786	.54224	.05646	.01458
#1	59884.	11543.	2066.2	3919.3
#2	59899.	11632.	2064.5	3920.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 22:14:18 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.041**	**2.069**	**2.038**	**2.054**	**2.143**	**2.006**	**2.113**	**2.070**	**.2535**
Stddev	.056	.058	.012	.010	.052	.054	.054	.010	.0057
%RSD	2.765	2.800	.5882	.4660	2.437	2.692	2.548	.4712	2.251
#1	2.081	2.110	2.029	2.047	2.180	2.045	2.152	2.063	.2575
#2	2.001	2.028	2.046	2.061	2.107	1.968	2.075	2.077	.2495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.119**	**2.139**	**2.011**	**2.135**	**2.080**	**2.008**	**2.000**	**39.97**	**40.94**
Stddev	.058	.008	.017	.001	.012	.008	.010	1.07	1.01
%RSD	2.731	.3665	.8300	.0339	.5677	.4155	.5122	2.679	2.468
#1	2.160	2.133	1.999	2.135	2.072	2.002	1.992	40.72	41.66
#2	2.078	2.144	2.023	2.136	2.088	2.014	2.007	39.21	40.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.90**	**40.28**	**41.04**	**41.26**	**2.054**	**2.090**	**2.031**	**5.005**	**2.099**
Stddev	1.09	1.09	1.04	1.10	.015	.012	.054	.032	.009
%RSD	2.667	2.693	2.537	2.675	.7055	.5605	2.640	.6347	.4425
#1	41.67	41.05	41.78	42.04	2.043	2.082	2.069	4.983	2.092
#2	40.13	39.51	40.30	40.48	2.064	2.099	1.993	5.028	2.106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 22:14:18 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**2.096**	**2.007**	**2.029**	**2.007**	**1.982**	**2.004**
Stddev	.058	.048	.029	.055	.017	.014	.058
%RSD	2.797	2.290	1.461	2.689	.8335	.6943	2.892
#1	2.102	2.130	1.986	2.067	1.995	1.972	2.045
#2	2.020	2.062	2.028	1.990	2.019	1.992	1.963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58403.**	**11340.**	**2028.4**	**3931.0**
Stddev	1189.	231.	12.6	24.2
%RSD	2.0357	2.0345	.61882	.61602
#1	57562.	11177.	2037.3	3948.1
#2	59243.	11503.	2019.6	3913.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 22:20:13 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0006**	**.0002**	**.0004**	**.0006**	**.0008**	**.0007**	**.0006**
Stddev	.0001	.0001	.0001	.0001	.0006	.0006	.0001	.0002
%RSD	5.696	13.82	46.10	40.32	107.3	75.92	17.73	28.26
#1	.0009	.0005	.0003	.0005	.0001	.0012	.0008	.0007
#2	.0009	.0006	.0001	.0003	.0010	.0004	.0006	.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	**-.0000**	**.0006**	**.0005**	**.0009**	**.0015**	**-.0001**	**-.0008**	**.0009**
Stddev	.0001	.0003	.0002	.0004	.0001	.0006	.0017	.0004
%RSD	1444.	48.17	50.42	45.85	9.893	617.5	206.6	40.05
#1	-.0001	.0008	.0006	.0012	.0014	-.0006	.0004	.0011
#2	.0001	.0004	.0003	.0006	.0016	.0003	-.0020	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0238**	**.0175**	W **.0223**	**.0305**	**-.0057**	**.0088**	**.0000**	**.0007**
Stddev	.0016	.0006	.0005	.0016	.0190	.0008	.0002	.0002
%RSD	6.769	3.342	2.028	5.296	331.5	9.257	693.8	23.26
#1	.0226	.0171	.0220	.0316	.0077	.0082	.0002	.0009
#2	.0249	.0179	.0226	.0293	-.0192	.0094	-.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 22:20:13 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0007**	**.0016**	**.0006**	**.0003**	**.0104**	**.0008**	**-.0001**
Stddev	.0004	.0002	.0007	.0000	.0004	.0014	.0002	.0014
%RSD	73.65	22.50	48.03	3.371	123.1	13.43	29.20	1423.
#1	.0003	.0006	.0021	.0006	.0006	.0114	.0009	.0009
#2	.0008	.0008	.0010	.0006	.0000	.0094	.0006	-.0011
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**	**-.0001**
Stddev	.0009	.0001
%RSD	61.46	109.6
#1	-.0008	-.0000
#2	-.0021	-.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	**61594.**	**11372.**	**2147.4**	**4450.2**
Stddev	419.	31.	4.6	10.0
%RSD	.67983	.26826	.21383	.22375
#1	61298.	11350.	2150.6	4457.3
#2	61890.	11393.	2144.1	4443.2

Zoom In Zoom Out

Sample Name: jb69126-3 Acquired: 6/23/2014 22:26:23 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (207)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3443**	**.0038**	**.0009**	**.0536**	**.1210**	**.1777**	**2.915**	**.1185**	**.0062**
Stddev	.0043	.0000	.0001	.0005	.0011	.0016	.017	.0001	.0002
%RSD	1.252	1.170	8.845	.8861	.9057	.9061	.5739	.0601	3.640
#1	.3413	.0039	.0010	.0539	.1202	.1766	2.903	.1184	.0063
#2	.3474	.0038	.0009	.0532	.1218	.1788	2.927	.1185	.0060

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1811**	**.3031**	**.0142**	**.0057**	**.0829**	**.0017**	**-.0005**	**79.23**	**11.78**
Stddev	.0008	.0014	.0002	.0002	.0003	.0016	.0002	1.18	.13
%RSD	.4367	.4682	1.319	3.524	.4146	93.06	30.91	1.493	1.099
#1	.1805	.3041	.0141	.0059	.0827	.0006	-.0006	78.39	11.69
#2	.1816	.3021	.0143	.0056	.0832	.0029	-.0004	80.06	11.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**139.4**	**31.54**	**14.06**	**2.169**	**.0856**	**.0031**	**.0027**	**2.544**	**.0248**
Stddev	1.8	.26	.12	.029	.0002	.0000	.0009	.018	.0001
%RSD	1.264	.8185	.8319	1.349	.2913	.4064	32.27	.7016	.5312
#1	138.1	31.36	13.97	2.148	.0857	.0031	.0021	2.556	.0247
#2	140.6	31.72	14.14	2.190	.0854	.0031	.0034	2.531	.0249

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0845**	**2.355**	**.0044**	**.0614**	**.4722**	**-.0017**	**.1442**
Stddev	.0012	.010	.0003	.0004	.0029	.0003	.0023
%RSD	1.381	.4403	6.250	.6651	.6122	16.30	1.574
#1	.0837	2.348	.0046	.0611	.4743	-.0015	.1426
#2	.0853	2.363	.0042	.0617	.4702	-.0019	.1458

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60751.**	**11708.**	**2121.3**	**4059.0**
Stddev	233.	144.	7.9	16.4
%RSD	.38370	1.2340	.37220	.40435
#1	60916.	11810.	2115.8	4047.4
#2	60586.	11606.	2126.9	4070.6

Zoom In Zoom Out

Sample Name: mp80207-sd1 Acquired: 6/23/2014 22:32:23 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 126-3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3446**	**.0033**	**.0012**	**.0533**	**.1236**	**.1775**	**2.998**	**.1198**	**.0056**
Stddev	.0001	.0004	.0002	.0012	.0024	.0076	.085	.0013	.0035
%RSD	.0427	11.27	17.06	2.219	1.910	4.255	2.845	1.112	61.93
#1	.3447	.0036	.0013	.0541	.1253	.1828	3.058	.1188	.0031
#2	.3445	.0031	.0011	.0524	.1219	.1721	2.938	.1207	.0080

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1831**	**.3278**	**.0142**	**.0056**	**.0813**	**-.0008**	**.0007**	**79.28**	**11.97**
Stddev	.0025	.0011	.0012	.0019	.0025	.0161	.0053	.42	.01
%RSD	1.392	.3290	8.423	33.04	3.074	1907.	788.9	.5244	.1132
#1	.1849	.3286	.0134	.0043	.0830	-.0122	-.0031	79.57	11.98
#2	.1813	.3271	.0150	.0069	.0795	.0105	.0044	78.98	11.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**143.5**	**31.43**	**13.81**	**2.073**	**.0831**	**.0024**	**.0082**	**2.591**	**.0265**
Stddev	1.5	.30	.07	.009	.0001	.0004	.0070	.006	.0001
%RSD	1.072	.9409	.4799	.4335	.1643	18.62	84.93	.2323	.5140
#1	144.6	31.64	13.85	2.080	.0832	.0020	.0131	2.595	.0266
#2	142.4	31.22	13.76	2.067	.0830	.0027	.0033	2.586	.0264

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0843**	**2.409**	**-.0199**	**.0587**	**.4846**	**-.0045**	**.1369**
Stddev	.0004	.061	.0018	.0005	.0020	.0010	.0020
%RSD	.5318	2.540	8.993	.8548	.4047	23.08	1.460
#1	.0846	2.452	-.0186	.0590	.4860	-.0052	.1355
#2	.0840	2.365	-.0211	.0583	.4832	-.0037	.1383

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61685.**	**11785.**	**2137.8**	**4279.2**
Stddev	1382.	18.	7.1	6.6
%RSD	2.2408	.15330	.33214	.15347
#1	60708.	11772.	2132.8	4274.6
#2	62663.	11798.	2142.8	4283.8

Zoom In Zoom Out

Sample Name: jb69126-1 Acquired: 6/23/2014 22:38:27 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3207**	**.0035**	**.0008**	**.0473**	**.1089**	**.1993**	**3.584**	**.1168**	**.0051**
Stddev	.0066	.0000	.0001	.0001	.0011	.0029	.071	.0002	.0048
%RSD	2.045	.3941	12.46	.1959	.9684	1.480	1.986	.1883	95.23
#1	.3253	.0035	.0007	.0474	.1081	.1972	3.534	.1169	.0085
#2	.3161	.0035	.0008	.0472	.1096	.2014	3.634	.1166	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1699**	**.2821**	**.0167**	**.0038**	**.0508**	**.0013**	**-.0006**	**76.89**	**5.425**
Stddev	.0039	.0006	.0008	.0011	.0001	.0013	.0001	1.90	.121
%RSD	2.275	.2050	4.834	27.93	.1337	102.7	14.66	2.470	2.223
#1	.1672	.2817	.0172	.0046	.0507	.0004	-.0006	78.24	5.510
#2	.1726	.2825	.0161	.0031	.0508	.0022	-.0007	75.55	5.340

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**143.1**	**32.11**	**10.94**	**1.252**	**.0625**	**.0030**	**.0037**	**3.848**	**.0246**
Stddev	3.8	.89	.24	.028	.0010	.0001	.0014	.009	.0001
%RSD	2.672	2.760	2.192	2.219	1.573	2.221	38.07	.2421	.5806
#1	145.8	32.74	11.11	1.271	.0618	.0029	.0047	3.854	.0245
#2	140.4	31.49	10.77	1.232	.0632	.0030	.0027	3.841	.0247

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0538**	**1.791**	**-.0010**	**.0456**	**.0686**	**-.0044**	**.1378**
Stddev	.0011	.045	.0023	.0005	.0002	.0002	.0031
%RSD	2.079	2.518	236.1	1.032	.2791	4.628	2.283
#1	.0546	1.759	.0007	.0453	.0685	-.0045	.1401
#2	.0530	1.823	-.0026	.0460	.0688	-.0042	.1356

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59792.**	**11575.**	**2106.6**	**4069.5**
Stddev	1017.	261.	5.0	.5
%RSD	1.7014	2.2531	.23802	.01270
#1	60512.	11391.	2103.1	4069.1
#2	59073.	11760.	2110.1	4069.8

Zoom In Zoom Out

Sample Name: jb69126-2 Acquired: 6/23/2014 22:44:28 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4804**	**.0039**	**.0007**	**.0686**	**.1408**	**.1894**	**4.975**	**.1415**	**.0073**
Stddev	.0002	.0000	.0001	.0003	.0012	.0010	.014	.0010	.0008
%RSD	.0420	.2990	22.49	.3784	.8861	.5511	.2892	.6734	11.18
#1	.4802	.0039	.0005	.0688	.1399	.1887	4.965	.1422	.0079
#2	.4805	.0039	.0008	.0685	.1416	.1901	4.985	.1408	.0067

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1955**	**.4520**	**.0175**	**.0043**	**.0803**	**-.0001**	**.0005**	**84.79**	**6.025**
Stddev	.0006	.0036	.0005	.0015	.0000	.0019	.0025	.03	.001
%RSD	.2965	.7865	2.954	36.00	.0395	1360.	514.6	.0371	.0203
#1	.1951	.4545	.0179	.0032	.0803	-.0015	-.0013	84.77	6.024
#2	.1959	.4495	.0172	.0054	.0803	.0012	.0023	84.81	6.026

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**159.0**	**35.91**	**15.30**	**4.058**	**.0993**	**.0030**	**.0025**	**3.912**	**.0245**
Stddev	.4	.12	.03	.004	.0006	.0000	.0006	.034	.0002
%RSD	.2356	.3301	.1917	.0967	.6514	.5106	23.23	.8715	.6517
#1	159.3	35.99	15.33	4.061	.0998	.0030	.0021	3.936	.0244
#2	158.7	35.82	15.28	4.055	.0989	.0030	.0029	3.888	.0247

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0667**	**2.311**	**-.0000**	**.0642**	**.3946**	**-.0026**	**.1685**
Stddev	.0002	.004	.0005	.0005	.0018	.0005	.0003
%RSD	.2439	.1959	1401.	.8383	.4517	19.43	.1832
#1	.0666	2.308	.0003	.0638	.3959	-.0023	.1687
#2	.0668	2.314	-.0004	.0645	.3934	-.0030	.1683

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62167.**	**11990.**	**2143.0**	**4036.1**
Stddev	197.	17.	11.9	22.9
%RSD	.31688	.14500	.55766	.56627
#1	62306.	12002.	2134.5	4019.9
#2	62028.	11977.	2151.4	4052.2

Zoom In Zoom Out

Sample Name: jb69126-4 Acquired: 6/23/2014 22:50:30 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2507**	**.0035**	**.0006**	**.0478**	**.1210**	**.1653**	**2.140**	**.1123**	**.0041**
Stddev	.0086	.0000	.0000	.0007	.0010	.0004	.009	.0020	.0027
%RSD	3.416	.1626	7.969	1.559	.8672	.2289	.4285	1.738	66.28
#1	.2568	.0035	.0005	.0472	.1203	.1651	2.133	.1109	.0060
#2	.2447	.0035	.0006	.0483	.1218	.1656	2.146	.1137	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1630**	**.2835**	**.0165**	**.0041**	**.0614**	**.0007**	**-.0009**	**72.63**	**5.690**
Stddev	.0022	.0032	.0002	.0015	.0004	.0006	.0018	2.48	.179
%RSD	1.330	1.120	1.335	37.65	.6580	88.47	216.5	3.421	3.143
#1	.1615	.2812	.0164	.0052	.0611	.0011	-.0022	74.38	5.817
#2	.1646	.2857	.0167	.0030	.0617	.0002	.0005	70.87	5.564

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**132.9**	**29.36**	**11.10**	**1.115**	**.0691**	**.0021**	**.0029**	**4.042**	**.0221**
Stddev	4.6	.91	.35	.039	.0007	.0002	.0001	.050	.0002
%RSD	3.498	3.111	3.191	3.527	1.037	7.542	2.664	1.229	.6910
#1	136.2	30.01	11.35	1.143	.0686	.0019	.0030	4.006	.0220
#2	129.6	28.72	10.85	1.087	.0696	.0022	.0029	4.077	.0223

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0658**	**1.748**	**-.0022**	**.0498**	**.4070**	**-.0035**	**.1494**
Stddev	.0023	.009	.0008	.0004	.0063	.0002	.0050
%RSD	3.493	.5014	34.57	.7406	1.558	6.689	3.325
#1	.0675	1.742	-.0027	.0500	.4025	-.0033	.1530
#2	.0642	1.754	-.0017	.0495	.4115	-.0036	.1459

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60752.**	**11773.**	**2132.5**	**4101.3**
Stddev	251.	288.	22.1	43.0
%RSD	.41272	2.4490	1.0366	1.0491
#1	60930.	11569.	2148.1	4131.7
#2	60575.	11977.	2116.9	4070.9

Zoom In Zoom Out

Sample Name: jb69126-5 Acquired: 6/23/2014 22:56:31 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4623**	**.0035**	**.0009**	**.0550**	**.1247**	**.1513**	**4.319**	**.1226**	**.0041**
Stddev	.0049	.0000	.0002	.0003	.0014	.0001	.001	.0007	.0009
%RSD	1.050	.7498	23.02	.5653	1.113	.0963	.0225	.5914	22.04
#1	.4657	.0036	.0007	.0548	.1237	.1514	4.318	.1220	.0048
#2	.4589	.0035	.0010	.0553	.1257	.1512	4.320	.1231	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1785**	**.2752**	**.0141**	**.0045**	**.0656**	**.0019**	**-.0005**	**76.81**	**13.07**
Stddev	.0002	.0020	.0012	.0011	.0020	.0032	.0003	.87	.12
%RSD	.1092	.7401	8.271	25.44	3.066	168.1	64.65	1.128	.9555
#1	.1784	.2738	.0149	.0053	.0670	.0042	-.0008	77.43	13.16
#2	.1786	.2767	.0132	.0037	.0641	-.0004	-.0003	76.20	12.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**141.3**	**29.75**	**12.34**	**1.253**	**.0800**	**.0027**	**.0012**	**3.266**	**.0250**
Stddev	1.5	.20	.08	.015	.0008	.0001	.0001	.012	.0013
%RSD	1.067	.6595	.6290	1.161	.9750	2.198	10.76	.3776	5.058
#1	142.4	29.89	12.40	1.263	.0795	.0026	.0011	3.257	.0259
#2	140.2	29.61	12.29	1.242	.0806	.0027	.0013	3.275	.0241

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1157**	**2.167**	**-.0037**	**.0636**	**.1506**	**-.0034**	**.1251**
Stddev	.0011	.005	.0012	.0001	.0012	.0007	.0010
%RSD	.9536	.2387	32.96	.0989	.7691	19.61	.8162
#1	.1165	2.170	-.0045	.0636	.1498	-.0029	.1258
#2	.1150	2.163	-.0028	.0637	.1514	-.0039	.1244

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61880.**	**11996.**	**2141.6**	**4072.3**
Stddev	32.	121.	10.5	16.1
%RSD	.05131	1.0103	.49142	.39548
#1	61902.	11910.	2149.1	4083.6
#2	61857.	12081.	2134.2	4060.9

Zoom In Zoom Out

Sample Name: jb69126-6 Acquired: 6/23/2014 23:02:32 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6599**	**.0069**	**.0007**	**.0730**	**.1774**	**.0901**	**2.330**	**.1662**	**.0076**
Stddev	.0086	.0001	.0000	.0001	.0042	.0012	.053	.0003	.0044
%RSD	1.304	1.443	4.260	.0894	2.391	1.302	2.266	.1559	57.23
#1	.6539	.0068	.0007	.0729	.1804	.0910	2.367	.1660	.0045
#2	.6660	.0070	.0007	.0730	.1744	.0893	2.292	.1664	.0107

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2568**	**.3804**	**.0298**	**.0044**	**.1216**	**.0037**	**.0002**	**150.3**	**12.65**
Stddev	.0061	.0003	.0005	.0008	.0001	.0015	.0032	1.7	.12
%RSD	2.361	.0878	1.828	17.76	.0794	39.62	1431.	1.155	.9723
#1	.2611	.3807	.0302	.0039	.1215	.0027	.0025	149.1	12.56
#2	.2525	.3802	.0294	.0050	.1217	.0047	-.0021	151.6	12.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**179.2**	**35.59**	**13.58**	**1.876**	**.0583**	**.0040**	**.0007**	**2.419**	**.0259**
Stddev	1.9	.26	.18	.026	.0007	.0003	.0012	.002	.0012
%RSD	1.077	.7246	1.355	1.396	1.140	8.746	172.0	.0738	4.720
#1	177.8	35.41	13.45	1.857	.0587	.0037	-.0001	2.421	.0268
#2	180.5	35.77	13.71	1.894	.0578	.0042	.0015	2.418	.0251

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1660**	**2.710**	**-.0042**	**.0459**	**.2829**	**-.0034**	**.1749**
Stddev	.0020	.061	.0003	.0003	.0004	.0003	.0016
%RSD	1.211	2.267	7.746	.7176	.1254	7.453	.9055
#1	.1646	2.754	-.0044	.0461	.2831	-.0033	.1738
#2	.1674	2.667	-.0039	.0456	.2826	-.0036	.1760

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61677.**	**11805.**	**2156.2**	**3971.8**
Stddev	1060.	103.	6.7	3.6
%RSD	1.7185	.86946	.30899	.09008
#1	60927.	11878.	2151.5	3969.3
#2	62426.	11733.	2161.0	3974.3

Zoom In Zoom Out

Sample Name: jb69126-7 Acquired: 6/23/2014 23:08:32 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3522**	**.0031**	**.0005**	**.0416**	**.1086**	**.1413**	**2.447**	**.1028**	**.0045**
Stddev	.0134	.0000	.0002	.0004	.0013	.0017	.039	.0007	.0037
%RSD	3.801	.9195	32.74	.9906	1.242	1.175	1.604	.6365	82.31
#1	.3617	.0031	.0004	.0413	.1076	.1401	2.419	.1024	.0071
#2	.3428	.0031	.0006	.0419	.1095	.1424	2.474	.1033	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1512**	**.3042**	**.0158**	**.0048**	**.2606**	**.0008**	**-.0001**	**79.97**	**15.22**
Stddev	.0022	.0019	.0008	.0008	.0016	.0045	.0002	3.12	.54
%RSD	1.465	.6117	5.070	16.22	.6296	592.4	302.4	3.899	3.570
#1	.1496	.3029	.0163	.0054	.2594	-.0024	.0001	82.17	15.60
#2	.1527	.3055	.0152	.0043	.2618	.0039	-.0002	77.76	14.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**117.8**	**26.27**	**11.85**	**1.089**	**.0724**	**.0019**	**.0032**	**2.665**	**.0201**
Stddev	4.5	1.09	.42	.040	.0012	.0001	.0023	.011	.0006
%RSD	3.829	4.154	3.511	3.646	1.636	4.215	73.25	.3977	3.168
#1	121.0	27.04	12.15	1.117	.0716	.0019	.0048	2.657	.0197
#2	114.6	25.50	11.56	1.061	.0733	.0020	.0015	2.672	.0206

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0611**	**1.926**	**-.0054**	**.0496**	**.1731**	**-.0017**	**.1246**
Stddev	.0023	.028	.0007	.0004	.0046	.0009	.0043
%RSD	3.774	1.471	13.23	.8525	2.652	53.69	3.439
#1	.0627	1.906	-.0049	.0493	.1698	-.0023	.1276
#2	.0595	1.946	-.0059	.0499	.1763	-.0011	.1216

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59873.**	**11395.**	**2115.1**	**4085.7**
Stddev	573.	338.	13.1	26.6
%RSD	.95642	2.9624	.61731	.65145
#1	60278.	11156.	2124.4	4104.5
#2	59468.	11634.	2105.9	4066.9

Zoom In Zoom Out

Sample Name: jb69126-8 Acquired: 6/23/2014 23:14:35 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4269**	**.0024**	**.0006**	**.0329**	**.0912**	**.1284**	**1.854**	**.0797**	**.0052**
Stddev	.0020	.0001	.0000	.0002	.0007	.0004	.000	.0004	.0010
%RSD	.4668	3.540	7.875	.7420	.7971	.2997	.0099	.4554	19.70
#1	.4283	.0025	.0006	.0330	.0917	.1287	1.854	.0800	.0059
#2	.4255	.0023	.0006	.0327	.0907	.1281	1.854	.0794	.0044

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1551**	**.2053**	**.0147**	**.0028**	**.0453**	**.0001**	**-.0009**	**54.64**	**5.883**
Stddev	.0004	.0002	.0000	.0007	.0007	.0004	.0004	.25	.050
%RSD	.2313	.0923	.0374	25.03	1.554	311.4	42.80	.4521	.8525
#1	.1554	.2054	.0147	.0033	.0448	-.0001	-.0012	54.81	5.918
#2	.1549	.2052	.0147	.0023	.0458	.0004	-.0006	54.46	5.847

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**113.7**	**19.88**	**11.25**	**.5219**	**.0647**	**.0020**	**.0024**	**3.104**	**.0250**
Stddev	.8	.29	.07	.0051	.0004	.0002	.0002	.009	.0004
%RSD	.7147	1.456	.6594	.9774	.6134	8.221	7.355	.3002	1.771
#1	114.3	20.08	11.30	.5255	.0645	.0021	.0026	3.098	.0253
#2	113.2	19.67	11.19	.5183	.0650	.0019	.0023	3.111	.0247

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0363**	**1.946**	**-.0048**	**.0404**	**.0915**	**-.0031**	**.0875**
Stddev	.0002	.001	.0006	.0001	.0010	.0001	.0003
%RSD	.6065	.0254	12.19	.2580	1.134	2.882	.3264
#1	.0365	1.946	-.0052	.0403	.0907	-.0032	.0873
#2	.0362	1.947	-.0043	.0405	.0922	-.0031	.0877

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60850.**	**11524.**	**2113.4**	**4133.4**
Stddev	26.	91.	3.8	.7
%RSD	.04245	.78737	.17814	.01648
#1	60831.	11460.	2116.1	4132.9
#2	60868.	11588.	2110.8	4133.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 23:20:39 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.068**	**2.052**	**2.069**	**2.136**	**1.990**	**2.106**	**2.086**	**.2522**
Stddev	.077	.081	.011	.006	.010	.005	.010	.009	.0027
%RSD	3.777	3.903	.5337	.2921	.4508	.2570	.4944	.4330	1.078
#1	2.100	2.125	2.044	2.064	2.142	1.994	2.114	2.080	.2541
#2	1.991	2.011	2.060	2.073	2.129	1.987	2.099	2.093	.2503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.098**	**2.156**	**2.027**	**2.149**	**2.099**	**2.022**	**2.014**	**40.33**	**41.20**
Stddev	.007	.007	.011	.006	.010	.006	.010	1.54	1.56
%RSD	.3481	.3394	.5635	.3007	.4887	.3041	.5093	3.825	3.780
#1	2.104	2.151	2.019	2.145	2.091	2.017	2.007	41.42	42.30
#2	2.093	2.162	2.035	2.154	2.106	2.026	2.021	39.24	40.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.06**	**40.65**	**41.34**	**41.45**	**2.070**	**2.100**	**2.015**	**5.040**	**2.121**
Stddev	1.56	1.45	1.49	1.49	.012	.007	.004	.029	.009
%RSD	3.801	3.579	3.616	3.587	.5789	.3592	.2160	.5767	.4489
#1	42.16	41.68	42.39	42.50	2.061	2.095	2.018	5.020	2.114
#2	39.95	39.63	40.28	40.39	2.078	2.106	2.012	5.061	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: 6/23/2014 23:20:39 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.065**	**2.084**	**2.028**	**2.012**	**2.022**	**1.991**	**2.021**
Stddev	.076	.008	.024	.005	.011	.013	.073
%RSD	3.688	.3915	1.179	.2268	.5294	.6402	3.623
#1	2.119	2.089	2.011	2.016	2.015	1.982	2.073
#2	2.011	2.078	2.045	2.009	2.030	2.000	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	**58556.**	**11178.**	**2020.6**	**3914.6**
Stddev	117.	362.	11.1	19.5
%RSD	.19973	3.2377	.55079	.49724
#1	58473.	10922.	2028.5	3928.3
#2	58638.	11434.	2012.7	3900.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 23:26:34 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0008**	**.0005**	**.0003**	**.0011**	**.0008**	**.0009**	**.0007**
Stddev	.0000	.0000	.0001	.0003	.0000	.0003	.0000	.0002
%RSD	1.757	5.096	29.21	93.29	1.117	31.67	4.360	33.44
#1	.0010	.0008	.0006	.0006	.0011	.0010	.0010	.0009
#2	.0010	.0009	.0004	.0001	.0011	.0006	.0009	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0012**	**.0006**	**.0005**	**.0007**	**.0008**	**-.0022**	**.0008**
Stddev	.0001	.0000	.0004	.0001	.0011	.0008	.0029	.0007
%RSD	47.56	3.136	77.08	10.83	151.9	90.87	134.7	82.34
#1	.0002	.0012	.0009	.0006	-.0001	.0014	-.0001	.0013
#2	.0001	.0012	.0003	.0005	.0015	.0003	-.0042	.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	**.0275**	**.0218**	W **.0315**	**.0187**	**.0001**	**.0015**	**.0003**	**.0009**
Stddev	.0039	.0015	.0019	.0260	.0172	.0037	.0000	.0002
%RSD	14.32	6.901	6.116	138.7	32050.	247.7	7.918	24.75
#1	.0303	.0229	.0302	.0371	.0122	-.0011	.0003	.0011
#2	.0247	.0207	.0329	.0004	-.0121	.0042	.0003	.0008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Sample Name: ccb Acquired: 6/23/2014 23:26:34 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0014**	**.0013**	**.0009**	**.0005**	**.0103**	W **.0012**	**-.0002**
Stddev	.0014	.0003	.0001	.0000	.0001	.0015	.0000	.0003
%RSD	110.6	19.82	7.988	4.841	23.86	14.74	2.157	198.8
#1	.0003	.0012	.0014	.0009	.0006	.0114	.0012	.0001
#2	.0022	.0016	.0013	.0010	.0004	.0092	.0012	-.0004
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	**.0007**	**-.0002**
Stddev	.0002	.0002
%RSD	29.64	112.3
#1	.0005	-.0003
#2	.0008	-.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	**61353.**	**11512.**	**2137.9**	**4412.6**
Stddev	976.	62.	13.4	29.0
%RSD	1.5904	.54082	.62513	.65625
#1	62043.	11556.	2147.3	4433.1
#2	60663.	11468.	2128.4	4392.2

Sample Name: jb69126-9 Acquired: 6/23/2014 23:32:46 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3525**	**.0043**	**.0008**	**.0546**	**.1412**	**.1760**	**3.620**	**.1349**	**.0055**
Stddev	.0006	.0000	.0002	.0002	.0005	.0011	.002	.0001	.0018
%RSD	.1708	.3827	21.91	.4111	.3508	.6163	.0584	.0477	32.13
#1	.3520	.0043	.0009	.0545	.1415	.1768	3.621	.1349	.0042
#2	.3529	.0043	.0007	.0548	.1408	.1752	3.618	.1348	.0067

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1875**	**.3054**	**.0159**	**.0048**	**.0663**	**.0017**	**-.0010**	**94.06**	**6.377**
Stddev	.0005	.0001	.0009	.0015	.0006	.0000	.0003	.31	.026
%RSD	.2476	.0374	5.533	31.64	.8717	2.006	25.45	.3312	.4133
#1	.1872	.3055	.0153	.0059	.0667	.0017	-.0008	93.84	6.359
#2	.1879	.3053	.0165	.0038	.0659	.0017	-.0012	94.28	6.396

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**144.7**	**32.12**	**16.02**	**1.217**	**.0926**	**.0037**	**.0016**	**2.174**	**.0266**
Stddev	.4	.10	.03	.001	.0006	.0001	.0016	.000	.0004
%RSD	.2449	.3136	.1635	.0565	.6251	3.853	99.95	.0167	1.416
#1	144.4	32.04	16.00	1.218	.0930	.0038	.0005	2.174	.0263
#2	144.9	32.19	16.03	1.217	.0922	.0036	.0027	2.174	.0269

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0483**	**2.425**	**.0032**	**.0635**	**.0673**	**-.0025**	**.1482**
Stddev	.0002	.002	.0003	.0003	.0004	.0009	.0001
%RSD	.3683	.0883	8.971	.4422	.5991	37.59	.0937
#1	.0481	2.424	.0034	.0633	.0670	-.0032	.1483
#2	.0484	2.427	.0030	.0637	.0676	-.0018	.1481

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61853.**	**11723.**	**2157.9**	**4083.4**
Stddev	10.	7.	9.4	13.1
%RSD	.01631	.05988	.43536	.31991
#1	61846.	11728.	2164.6	4092.7
#2	61860.	11718.	2151.3	4074.2

Sample Name: jb69126-10 Acquired: 6/23/2014 23:38:48 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3921**	**.0044**	**.0009**	**.0565**	**.1367**	**.1785**	**5.245**	**.1374**	**.0066**
Stddev	.0007	.0000	.0000	.0002	.0013	.0004	.008	.0006	.0002
%RSD	.1794	.6360	.4552	.2663	.9346	.2463	.1559	.4205	2.736
#1	.3916	.0044	.0009	.0566	.1376	.1788	5.239	.1379	.0065
#2	.3926	.0044	.0009	.0564	.1358	.1782	5.251	.1370	.0067

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1767**	**.3059**	**.0147**	**.0051**	**.0774**	**.0039**	**-.0003**	**98.05**	**3.329**
Stddev	.0009	.0007	.0002	.0025	.0003	.0027	.0007	.05	.003
%RSD	.4897	.2305	1.662	48.68	.3715	68.76	231.2	.0521	.0823
#1	.1773	.3064	.0145	.0069	.0776	.0059	.0002	98.02	3.331
#2	.1761	.3054	.0148	.0034	.0772	.0020	-.0008	98.09	3.327

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**143.0**	**34.81**	**16.70**	**1.844**	**.1054**	**.0030**	**.0022**	**3.156**	**.0229**
Stddev	.1	.09	.01	.008	.0005	.0001	.0005	.011	.0003
%RSD	.0443	.2443	.0541	.4281	.4970	2.933	24.81	.3475	1.289
#1	143.0	34.75	16.71	1.838	.1058	.0030	.0026	3.163	.0232
#2	143.1	34.87	16.70	1.849	.1050	.0029	.0018	3.148	.0227

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0434**	**2.347**	**.0004**	**.0591**	**.3900**	**-.0031**	**.1610**
Stddev	.0000	.001	.0015	.0004	.0002	.0005	.0004
%RSD	.0061	.0536	332.3	.6349	.0579	15.82	.2791
#1	.0434	2.348	.0015	.0593	.3902	-.0034	.1607
#2	.0434	2.346	-.0006	.0588	.3899	-.0027	.1613

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61464.**	**11694.**	**2142.8**	**4050.5**
Stddev	20.	19.	11.3	23.5
%RSD	.03201	.16318	.52926	.58118
#1	61450.	11680.	2134.8	4033.8
#2	61478.	11707.	2150.8	4067.1

Sample Name: jb69126-11 Acquired: 6/23/2014 23:44:50 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6935**	**.0043**	**.0006**	**.0615**	**.1399**	**.1965**	**4.844**	**.1435**	**.0104**
Stddev	.0033	.0000	.0001	.0003	.0032	.0023	.043	.0002	.0002
%RSD	.4814	.3181	19.03	.4930	2.270	1.185	.8970	.1625	1.900
#1	.6959	.0043	.0007	.0617	.1422	.1982	4.875	.1436	.0103
#2	.6911	.0043	.0005	.0613	.1377	.1949	4.813	.1433	.0106

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2118**	**.3762**	**.0187**	**.0052**	**.0720**	**.0041**	**-.0000**	**118.4**	**5.191**
Stddev	.0019	.0024	.0013	.0003	.0021	.0009	.0004	.5	.023
%RSD	.9026	.6268	6.951	5.093	2.858	21.01	2320.	.4606	.4491
#1	.2131	.3778	.0196	.0054	.0735	.0047	-.0003	118.8	5.207
#2	.2104	.3745	.0178	.0050	.0705	.0035	.0003	118.0	5.174

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**161.1**	**33.35**	**14.03**	**4.205**	**.0805**	**.0030**	**.0012**	**2.685**	**.0242**
Stddev	.4	.12	.07	.013	.0023	.0003	.0001	.017	.0001
%RSD	.2320	.3642	.5117	.2972	2.803	9.025	10.28	.6395	.4340
#1	161.4	33.43	14.08	4.214	.0821	.0032	.0011	2.697	.0241
#2	160.9	33.26	13.98	4.196	.0789	.0028	.0013	2.673	.0242

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0843**	**2.545**	**-.0012**	**.0563**	**.8695**	**-.0032**	**.1562**
Stddev	.0005	.024	.0004	.0002	.0082	.0011	.0012
%RSD	.5369	.9287	33.35	.4027	.9407	34.43	.7600
#1	.0847	2.562	-.0009	.0564	.8753	-.0040	.1571
#2	.0840	2.528	-.0015	.0561	.8637	-.0024	.1554

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60491.**	**11359.**	**2096.3**	**4029.3**
Stddev	513.	1.	7.5	15.6
%RSD	.84791	.00791	.35973	.38749
#1	60128.	11358.	2090.9	4018.2
#2	60853.	11360.	2101.6	4040.3

Zoom In Zoom Out

Sample Name: jb69126-12 Acquired: 6/23/2014 23:50:51 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2250**	**.0033**	**.0008**	**.0543**	**.1168**	**.2237**	**2.609**	**.1131**	**.0050**
Stddev	.0006	.0000	.0001	.0001	.0000	.0012	.007	.0001	.0012
%RSD	.2577	.2648	16.25	.2358	.0036	.5537	.2610	.0444	24.61
#1	.2246	.0033	.0007	.0542	.1168	.2246	2.614	.1131	.0041
#2	.2254	.0033	.0009	.0544	.1168	.2229	2.604	.1132	.0058

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1622**	**.2586**	**.0130**	**.0047**	**.0582**	**.0034**	**.0006**	**84.57**	**5.541**
Stddev	.0001	.0005	.0014	.0008	.0001	.0020	.0010	.07	.009
%RSD	.0911	.1963	10.95	16.57	.1848	59.42	172.9	.0817	.1551
#1	.1623	.2590	.0120	.0041	.0583	.0048	.0013	84.52	5.547
#2	.1621	.2583	.0140	.0052	.0582	.0020	-.0001	84.62	5.535

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**119.7**	**28.31**	**13.71**	**2.115**	**.0807**	**.0022**	**.0006**	**2.384**	**.0211**
Stddev	.3	.06	.02	.006	.0004	.0000	.0004	.002	.0004
%RSD	.2391	.2288	.1571	.2968	.5489	.6842	58.74	.0801	1.960
#1	119.5	28.35	13.70	2.111	.0803	.0022	.0004	2.386	.0209
#2	119.9	28.26	13.73	2.120	.0810	.0022	.0009	2.383	.0214

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0787**	**2.116**	**-.0029**	**.0561**	**.1203**	**-.0025**	**.1256**
Stddev	.0004	.006	.0003	.0003	.0009	.0004	.0004
%RSD	.4835	.2898	9.607	.4674	.7250	17.71	.3422
#1	.0784	2.120	-.0027	.0562	.1209	-.0022	.1252
#2	.0789	2.111	-.0031	.0559	.1197	-.0028	.1259

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60824.**	**11671.**	**2125.3**	**4080.3**
Stddev	96.	11.	4.7	5.9
%RSD	.15709	.09123	.22252	.14534
#1	60757.	11678.	2121.9	4076.1
#2	60892.	11663.	2128.6	4084.5

Zoom In Zoom Out

Sample Name: jb69126-13 Acquired: 6/23/2014 23:56:52 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3039**	**.0034**	**.0006**	**.0573**	**.1152**	**.1800**	**2.631**	**.1223**	**.0035**
Stddev	.0002	.0000	.0003	.0000	.0046	.0071	.113	.0009	.0031
%RSD	.0695	.2599	50.33	.0426	4.002	3.943	4.304	.7080	87.17
#1	.3038	.0034	.0008	.0573	.1119	.1750	2.551	.1229	.0057
#2	.3041	.0034	.0004	.0572	.1185	.1850	2.711	.1217	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1658**	**.2719**	**.0149**	**.0043**	**.0665**	**.0021**	**-.0002**	**89.63**	**3.632**
Stddev	.0065	.0008	.0001	.0004	.0002	.0011	.0010	.01	.012
%RSD	3.899	.2959	.8534	8.837	.2607	52.21	497.2	.0066	.3192
#1	.1612	.2725	.0148	.0046	.0667	.0028	.0005	89.62	3.624
#2	.1704	.2713	.0150	.0040	.0664	.0013	-.0009	89.63	3.640

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**124.5**	**28.48**	**11.75**	**2.641**	**.0685**	**.0025**	**.0008**	**2.270**	**.0224**
Stddev	.3	.02	.04	.011	.0013	.0000	.0010	.012	.0002
%RSD	.2544	.0545	.3220	.4304	1.937	1.262	118.6	.5293	.9618
#1	124.7	28.49	11.77	2.633	.0676	.0025	.0015	2.279	.0226
#2	124.2	28.47	11.72	2.649	.0695	.0025	.0001	2.262	.0223

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0579**	**1.843**	**-.0051**	**.0474**	**.5024**	**-.0018**	**.1305**
Stddev	.0001	.074	.0006	.0016	.0025	.0000	.0002
%RSD	.2432	4.007	11.18	3.277	.5053	1.686	.1292
#1	.0578	1.791	-.0055	.0463	.5042	-.0018	.1306
#2	.0580	1.895	-.0047	.0485	.5006	-.0018	.1303

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59353.**	**11606.**	**2076.0**	**4046.8**
Stddev	1823.	14.	4.6	12.3
%RSD	3.0706	.11909	.22127	.30330
#1	60642.	11615.	2072.7	4038.2
#2	58064.	11596.	2079.2	4055.5

Zoom In Zoom Out

Sample Name: jb69816-4 Acquired: 6/24/2014 0:02:54 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.225**	**.0040**	**.0027**	**.0928**	**.3241**	**.2884**	**2.045**	**.1759**	**.0094**
Stddev	.031	.0002	.0003	.0009	.0200	.0183	.116	.0007	.0107
%RSD	2.539	5.500	9.361	.9297	6.180	6.351	5.674	.3960	113.6
#1	1.247	.0039	.0025	.0935	.3099	.2754	1.963	.1764	.0170
#2	1.203	.0042	.0029	.0922	.3383	.3013	2.127	.1754	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3325**	**.8426**	**.0533**	**.0068**	**.4463**	**.0031**	**-.0001**	**133.6**	**72.05**
Stddev	.0195	.0032	.0002	.0021	.0024	.0022	.0003	3.2	1.59
%RSD	5.876	.3837	.3101	30.14	.5328	69.79	404.5	2.367	2.212
#1	.3187	.8449	.0534	.0083	.4480	.0016	-.0003	135.9	73.18
#2	.3463	.8403	.0532	.0054	.4446	.0047	.0001	131.4	70.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**198.0**	**60.42**	**18.28**	**2.115**	**.0252**	**.0070**	**-.0010**	**2.474**	**.0453**
Stddev	4.5	1.47	.40	.058	.0005	.0003	.0032	.038	.0000
%RSD	2.298	2.431	2.187	2.762	2.108	4.454	332.7	1.529	.0634
#1	201.2	61.46	18.56	2.157	.0255	.0072	.0013	2.500	.0453
#2	194.8	59.39	17.99	2.074	.0248	.0068	-.0032	2.447	.0453

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1381**	**6.098**	**-.0004**	**.1034**	**2.839**	**-.0019**	**.1388**
Stddev	.0037	.366	.0006	.0055	.001	.0027	.0044
%RSD	2.712	6.006	158.7	5.272	.0382	140.2	3.188
#1	.1407	5.839	.0000	.0995	2.839	-.0038	.1420
#2	.1354	6.357	-.0008	.1073	2.840	-.0000	.1357

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57988.**	**11408.**	**2028.0**	**3850.3**
Stddev	3076.	207.	7.1	12.9
%RSD	5.3051	1.8140	.34897	.33378
#1	60163.	11262.	2023.0	3841.2
#2	55812.	11555.	2033.0	3859.4

Zoom In Zoom Out

Sample Name: jb69816-5 Acquired: 6/24/2014 0:08:53 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9847**	**.0041**	**.0022**	**.0728**	**.2899**	**.3002**	**2.260**	**.1620**	**.0099**
Stddev	.0010	.0001	.0001	.0001	.0001	.0018	.013	.0005	.0000
%RSD	.1065	2.836	3.394	.0977	.0210	.6005	.5675	.3271	.4030
#1	.9840	.0042	.0023	.0729	.2899	.3015	2.269	.1616	.0099
#2	.9855	.0040	.0022	.0728	.2899	.2989	2.251	.1623	.0099

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3468**	**.6101**	**.0535**	**.0066**	**.2101**	**.0027**	**-.0002**	**123.2**	**76.76**
Stddev	.0007	.0007	.0005	.0000	.0005	.0005	.0004	.0	.27
%RSD	.2120	.1112	.9901	.2089	.2438	17.55	164.0	.0185	.3492
#1	.3473	.6106	.0531	.0066	.2097	.0030	.0000	123.2	76.57
#2	.3463	.6096	.0538	.0066	.2104	.0023	-.0005	123.2	76.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**203.2**	**48.38**	**21.71**	**2.401**	**.0266**	**.0085**	**.0014**	**4.424**	**.0419**
Stddev	.1	.22	.01	.003	.0001	.0002	.0008	.029	.0005
%RSD	.0649	.4592	.0655	.1389	.3258	1.784	58.48	.6635	1.236
#1	203.3	48.22	21.72	2.398	.0267	.0084	.0019	4.404	.0416
#2	203.1	48.54	21.70	2.403	.0266	.0086	.0008	4.445	.0423

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3832**	**6.461**	**.0008**	**.0834**	**2.378**	**-.0036**	**.1229**
Stddev	.0001	.027	.0015	.0006	.017	.0013	.0000
%RSD	.0201	.4247	198.8	.7658	.6926	35.00	.0372
#1	.3833	6.481	.0018	.0839	2.366	-.0027	.1228
#2	.3832	6.442	-.0003	.0830	2.390	-.0045	.1229

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59030.**	**11505.**	**2040.3**	**3865.8**
Stddev	278.	16.	13.6	20.3
%RSD	.47071	.13666	.66535	.52544
#1	58834.	11516.	2049.9	3880.2
#2	59227.	11493.	2030.7	3851.5

Zoom In Zoom Out

Sample Name: jb69816-6 Acquired: 6/24/2014 0:14:52 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8572**	**.0042**	**.0027**	**.0741**	**.2896**	**.2286**	**2.156**	**.1673**	**.0091**
Stddev	.0023	.0001	.0001	.0002	.0036	.0006	.007	.0009	.0006
%RSD	.2697	1.226	2.988	.2405	1.226	.2826	.3352	.5469	6.801
#1	.8556	.0042	.0027	.0743	.2921	.2290	2.161	.1666	.0087
#2	.8589	.0041	.0028	.0740	.2871	.2281	2.151	.1679	.0095

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3708**	**.6377**	**.0671**	**.0053**	**.2614**	**.0039**	**.0007**	**121.7**	**105.3**
Stddev	.0010	.0021	.0025	.0013	.0015	.0015	.0019	.3	.1
%RSD	.2661	.3312	3.754	24.41	.5582	37.69	260.0	.2107	.0733
#1	.3715	.6362	.0653	.0062	.2624	.0049	.0020	121.5	105.3
#2	.3701	.6392	.0689	.0044	.2604	.0029	-.0006	121.8	105.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**205.9**	**60.87**	**22.11**	**2.233**	**.0272**	**.0077**	**.0014**	**4.645**	**.0415**
Stddev	.7	.01	.09	.012	.0003	.0000	.0017	.033	.0010
%RSD	.3199	.0138	.4028	.5179	1.075	.5516	118.0	.7108	2.509
#1	205.4	60.86	22.05	2.225	.0269	.0077	.0002	4.622	.0423
#2	206.4	60.88	22.17	2.242	.0274	.0076	.0026	4.669	.0408

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2471**	**6.149**	**.0009**	**.0886**	**2.098**	**-.0023**	**.1220**
Stddev	.0014	.012	.0011	.0000	.015	.0013	.0004
%RSD	.5782	.1883	112.3	.0167	.7170	57.44	.3298
#1	.2461	6.157	.0002	.0886	2.088	-.0032	.1217
#2	.2481	6.141	.0017	.0887	2.109	-.0014	.1223

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58968.**	**11556.**	**2000.9**	**3796.6**
Stddev	307.	24.	15.6	20.3
%RSD	.52034	.20876	.77845	.53347
#1	58751.	11573.	2011.9	3810.9
#2	59185.	11539.	1989.9	3782.3

Zoom In Zoom Out

Sample Name: jb69816-10 Acquired: 6/24/2014 0:20:52 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8037**	**.0042**	**.0143**	**.0745**	**.2542**	**.3179**	**1.812**	**.1538**	**.0134**
Stddev	.0007	.0000	.0001	.0002	.0017	.0002	.002	.0010	.0001
%RSD	.0825	.0135	.6246	.2499	.6720	.0753	.0866	.6608	.6400
#1	.8042	.0042	.0142	.0744	.2530	.3178	1.811	.1531	.0134
#2	.8032	.0042	.0143	.0746	.2554	.3181	1.813	.1545	.0135

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2780**	**2.159**	**.0585**	**.0018**	**.3601**	**.0013**	**-.0004**	**110.9**	**49.09**
Stddev	.0020	.006	.0013	.0011	.0010	.0031	.0003	.0	.00
%RSD	.7364	.2578	2.219	61.24	.2712	238.2	61.62	.0255	.0018
#1	.2765	2.155	.0575	.0010	.3595	.0035	-.0002	110.9	49.09
#2	.2794	2.163	.0594	.0026	.3608	-.0009	-.0006	111.0	49.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**179.1**	**45.96**	**13.57**	**2.557**	**.0171**	**.0050**	**.0003**	**3.992**	**.0389**
Stddev	.4	.02	.01	.003	.0003	.0001	.0013	.010	.0007
%RSD	.2142	.0417	.0652	.1182	1.831	1.080	407.5	.2517	1.740
#1	178.9	45.94	13.56	2.559	.0174	.0049	-.0006	3.985	.0394
#2	179.4	45.97	13.57	2.555	.0169	.0050	.0013	3.999	.0384

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1030**	**4.476**	**.0014**	**.0770**	**2.119**	**-.0023**	**.1302**
Stddev	.0002	.007	.0007	.0001	.015	.0004	.0003
%RSD	.1560	.1547	49.68	.0960	.7187	19.31	.2387
#1	.1031	4.471	.0019	.0770	2.108	-.0026	.1305
#2	.1029	4.481	.0009	.0771	2.130	-.0020	.1300

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59675.**	**11722.**	**2020.4**	**3872.8**
Stddev	51.	11.	3.1	5.3
%RSD	.08569	.09743	.15563	.13578
#1	59711.	11731.	2022.7	3876.5
#2	59639.	11714.	2018.2	3869.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 0:26:53 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**2.041**	**2.060**	**2.071**	**2.141**	**2.016**	**2.091**	**2.064**	**.2557**
Stddev	.002	.003	.027	.023	.006	.011	.006	.022	.0014
%RSD	.1128	.1640	1.316	1.107	.2952	.5409	.2678	1.091	.5464
#1	2.050	2.043	2.041	2.055	2.146	2.024	2.095	2.048	.2567
#2	2.047	2.038	2.079	2.087	2.137	2.009	2.087	2.080	.2547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.125**	**2.158**	**2.025**	**2.159**	**2.072**	**2.025**	**2.018**	**40.19**	**40.38**
Stddev	.009	.027	.028	.020	.030	.026	.025	.07	.06
%RSD	.4169	1.255	1.376	.9098	1.436	1.270	1.266	.1621	.1531
#1	2.131	2.139	2.005	2.145	2.051	2.007	2.000	40.24	40.33
#2	2.118	2.177	2.044	2.173	2.093	2.043	2.036	40.15	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	**41.42**	**39.97**	**41.18**	**41.38**	**2.079**	**2.138**	**2.041**	**5.074**	**2.110**
Stddev	.07	.25	.00	.05	.027	.027	.007	.062	.029
%RSD	.1711	.6249	.0095	.1322	1.317	1.283	.3309	1.226	1.394
#1	41.47	39.79	41.17	41.42	2.060	2.118	2.046	5.030	2.089
#2	41.37	40.14	41.18	41.34	2.099	2.157	2.036	5.118	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: 6/24/2014 0:26:53 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.074**	**2.110**	**2.050**	**2.011**	**2.049**	**2.023**	**2.006**
Stddev	.003	.006	.045	.009	.025	.022	.001
%RSD	.1222	.3082	2.189	.4575	1.200	1.094	.0686
#1	2.075	2.115	2.018	2.018	2.031	2.007	2.007
#2	2.072	2.106	2.082	2.005	2.066	2.039	2.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57697.**	**11233.**	**1980.2**	**3869.1**
Stddev	153.	10.	19.9	33.7
%RSD	.26511	.09214	1.0073	.87128
#1	57588.	11226.	1994.4	3893.0
#2	57805.	11241.	1966.1	3845.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 0:32:49 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0005**	**.0004**	**.0004**	**.0009**	**.0012**	**.0006**	**.0006**
Stddev	.0001	.0000	.0002	.0002	.0002	.0002	.0001	.0003
%RSD	32.91	.1415	46.77	54.70	25.13	13.71	14.92	46.11
#1	.0005	.0005	.0005	.0002	.0007	.0011	.0006	.0004
#2	.0003	.0005	.0003	.0005	.0011	.0013	.0005	.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	**.0005**	**.0007**	**.0006**	**.0003**	**.0007**	**-.0006**	**.0005**	**.0005**
Stddev	.0001	.0001	.0000	.0001	.0008	.0006	.0007	.0011
%RSD	20.70	8.994	.4153	24.03	102.6	95.14	142.1	208.0
#1	.0004	.0008	.0006	.0004	.0013	-.0010	-.0000	-.0003
#2	.0006	.0007	.0006	.0003	.0002	-.0002	.0009	.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	**.0082**	**.0162**	W **.0177**	**.0130**	**.0270**	**-.0153**	**-.0001**	**.0011**
Stddev	.0016	.0029	.0004	.0070	.0038	.0020	.0005	.0001
%RSD	20.00	18.13	2.425	54.05	14.12	12.86	466.4	5.635
#1	.0070	.0183	.0180	.0080	.0243	-.0167	-.0005	.0011
#2	.0093	.0141	.0174	.0180	.0297	-.0139	.0003	.0010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 0:32:49 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(4)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0039**	**.0011**	**.0005**	**.0006**	**.0126**	**.0009**	**.0042**
Stddev	.0002	.0008	.0007	.0000	.0005	.0024	.0001	.0028
%RSD	311.5	21.29	60.61	3.706	71.54	19.04	9.053	65.61
#1	-.0001	.0045	.0006	.0005	.0009	.0143	.0009	.0062
#2	.0002	.0033	.0016	.0005	.0003	.0109	.0008	.0023
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	**.0007**	**.0013**
Stddev	.0008	.0010
%RSD	124.1	75.83
#1	.0012	.0020
#2	.0001	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61537.**	**11422.**	**2063.5**	**4304.1**
Stddev	278.	34.	.1	2.6
%RSD	.45204	.29702	.00328	.06072
#1	61733.	11398.	2063.5	4306.0
#2	61340.	11446.	2063.5	4302.3

Zoom In Zoom Out

Sample Name: jb69816-11 Acquired: 6/24/2014 0:38:59 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7736**	**.0041**	**.0053**	**.0699**	**.2733**	**.2689**	**2.465**	**.1517**	**.0117**
Stddev	.0009	.0000	.0000	.0005	.0019	.0005	.015	.0008	.0001
%RSD	.1108	.7198	.6345	.7651	.6974	.2030	.6059	.5409	.4782
#1	.7729	.0041	.0053	.0695	.2747	.2693	2.475	.1511	.0117
#2	.7742	.0041	.0053	.0703	.2720	.2686	2.454	.1523	.0117

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2988**	**1.051**	**.0622**	**.0048**	**.4297**	**.0015**	**.0011**	**119.7**	**38.34**
Stddev	.0021	.002	.0005	.0002	.0024	.0039	.0003	.0	.01
%RSD	.6882	.2231	.7736	3.984	.5681	266.4	24.40	.0322	.0292
#1	.3003	1.049	.0625	.0049	.4280	.0042	.0009	119.7	38.33
#2	.2974	1.052	.0618	.0046	.4314	-.0013	.0013	119.7	38.35

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**207.3**	**39.76**	**14.27**	**2.104**	**.0243**	**.0092**	**.0002**	**4.081**	**.0449**
Stddev	.0	.14	.00	.002	.0000	.0003	.0007	.010	.0007
%RSD	.0064	.3414	.0091	.0722	.1991	2.914	422.6	.2403	1.451
#1	207.4	39.66	14.27	2.106	.0244	.0090	.0007	4.075	.0444
#2	207.3	39.86	14.27	2.103	.0243	.0094	-.0003	4.088	.0454

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1065**	**5.090**	**.0109**	**.0987**	**1.708**	**-.0044**	**.1231**
Stddev	.0001	.027	.0004	.0004	.015	.0007	.0007
%RSD	.0639	.5319	3.431	.3937	.8853	15.92	.5544
#1	.1065	5.109	.0112	.0984	1.698	-.0049	.1226
#2	.1065	5.071	.0107	.0990	1.719	-.0039	.1236

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59062.**	**11575.**	**2012.8**	**3873.2**
Stddev	207.	6.	5.5	7.3
%RSD	.35078	.04883	.27303	.18866
#1	58916.	11579.	2016.6	3878.4
#2	59209.	11571.	2008.9	3868.1

Zoom In Zoom Out

Sample Name: jb69816-12 Acquired: 6/24/2014 0:45:00 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7805**	**.0038**	**.0026**	**.0779**	**.2862**	**.2116**	**2.074**	**.1826**	**.0092**
Stddev	.0026	.0000	.0001	.0001	.0001	.0004	.004	.0003	.0001
%RSD	.3322	.4487	3.432	.0663	.0282	.1893	.1726	.1407	.7923
#1	.7824	.0038	.0025	.0779	.2862	.2119	2.071	.1827	.0093
#2	.7787	.0038	.0027	.0779	.2861	.2113	2.076	.1824	.0092

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3384**	**.7688**	**.0573**	**.0058**	**.1904**	**.0001**	**-.0003**	**117.5**	**78.51**
Stddev	.0018	.0002	.0027	.0016	.0006	.0003	.0004	.2	.03
%RSD	.5233	.0231	4.696	27.07	.3028	412.3	138.1	.1883	.0347
#1	.3371	.7689	.0554	.0069	.1900	-.0002	-.0000	117.6	78.49
#2	.3396	.7687	.0592	.0047	.1908	.0003	-.0006	117.3	78.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**213.5**	**65.20**	**18.77**	**1.355**	**.0236**	**.0105**	**.0006**	**4.202**	**.0429**
Stddev	.4	.16	.07	.012	.0006	.0000	.0009	.003	.0019
%RSD	.2026	.2459	.3949	.8804	2.576	.4682	138.7	.0668	4.336
#1	213.8	65.32	18.82	1.364	.0241	.0105	.0000	4.200	.0416
#2	213.2	65.09	18.71	1.347	.0232	.0106	.0013	4.204	.0442

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1063**	**6.220**	**.0048**	**.0833**	**3.245**	**-.0035**	**.1162**
Stddev	.0002	.003	.0009	.0003	.003	.0018	.0012
%RSD	.1840	.0398	18.08	.3738	.0780	50.68	1.056
#1	.1064	6.218	.0054	.0830	3.243	-.0048	.1170
#2	.1062	6.222	.0042	.0835	3.247	-.0023	.1153

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58492.**	**11636.**	**1979.5**	**3803.8**
Stddev	7.	23.	6.8	14.1
%RSD	.01187	.19964	.34362	.37181
#1	58487.	11653.	1984.3	3813.8
#2	58496.	11620.	1974.7	3793.8

Zoom In Zoom Out

Sample Name: jb69704-1 2 Acquired: 6/24/2014 0:51:01 Type: Unk
Method: Accutest1(v289) 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	**.1096**	**-.0006**	**.0005**	**.0015**	**.0012**	**.0064**	**13.96**	**.0153**	**.0041**
Stddev	.0030	.0000	.0001	.0004	.0004	.0016	.15	.0002	.0002
%RSD	2.778	.2033	15.36	26.05	32.05	25.07	1.084	1.251	4.186
#1	.1118	-.0006	.0005	.0012	.0014	.0075	13.86	.0151	.0042
#2	.1074	-.0006	.0006	.0017	.0009	.0053	14.07	.0154	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0154**	**.0512**	**-.0011**	**.0027**	**.0005**	**.0006**	**.5601**	**92.64**
Stddev	.0000	.0003	.0012	.0024	.0004	.0082	.0013	.0194	2.50
%RSD	.4462	1.624	2.347	215.0	16.15	1501.	203.0	3.469	2.696
#1	.0054	.0156	.0521	.0006	.0024	.0064	.0015	.5738	94.41
#2	.0054	.0152	.0504	-.0028	.0030	-.0053	-.0003	.5463	90.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.65**	**19.35**	**7.322**	**42.14**	**.2389**	**.0127**	**.0072**	**8.588**	**-.0008**
Stddev	.40	.47	.136	1.04	.0015	.0006	.0018	.021	.0023
%RSD	2.404	2.426	1.859	2.478	.6134	4.882	25.13	.2490	287.8
#1	16.94	19.68	7.418	42.88	.2400	.0132	.0085	8.573	-.0024
#2	16.37	19.02	7.226	41.40	.2379	.0123	.0060	8.603	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2579**	**.0168**	**-.0085**	**.0010**	**43.45**	**-.0004**	**.0009**
Stddev	.0072	.0015	.0017	.0004	.02	.0016	.0003
%RSD	2.810	8.666	20.54	38.81	.0456	354.1	30.45
#1	.2630	.0178	-.0072	.0013	43.46	.0007	.0007
#2	.2527	.0158	-.0097	.0008	43.43	-.0015	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59106.**	**11400.**	**1971.0**	**4041.0**
Stddev	602.	265.	.0	2.9
%RSD	1.0184	2.3279	.00229	.07138
#1	59531.	11212.	1971.0	4038.9
#2	58680.	11587.	1970.9	4043.0

Zoom In Zoom Out

Sample Name: mp80180-mb1 2 Acquired: 6/24/2014 0:57:06 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0003**	**-.0002**	**.0001**	**-.0001**	**-.0000**	**.0013**	**.0002**	**.0002**	**.0004**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0000	.0002	.0007
%RSD	41.13	7.997	20.20	58.42	419.9	4.233	15.35	99.82	176.1
#1	-.0004	-.0002	.0001	-.0001	.0000	.0013	.0002	.0003	-.0001
#2	-.0002	-.0002	.0001	-.0000	-.0001	.0012	.0003	.0001	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0011**	**-.0009**	**.0004**	**-.0006**	**.0011**	**-.0003**	**-.0140**	**.0042**
Stddev	.0003	.0001	.0013	.0005	.0003	.0013	.0004	.0062	.0026
%RSD	203.8	8.807	148.8	132.5	54.45	121.7	108.8	44.39	62.35
#1	.0001	.0011	-.0018	.0000	-.0008	.0020	-.0001	-.0096	.0060
#2	-.0003	.0010	.0000	.0007	-.0004	.0002	-.0006	-.0184	.0023

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0004**	**.0120**	**-.0210**	**-.0277**	**-.0007**	**-.0000**	**-.0001**	**.0280**	**.0002**
Stddev	.0007	.0026	.0141	.0011	.0007	.0001	.0001	.0048	.0002
%RSD	203.4	21.39	66.94	4.015	95.03	289.9	97.40	17.14	87.79
#1	.0009	.0138	-.0111	-.0269	-.0002	.0000	-.0000	.0246	.0001
#2	-.0002	.0102	-.0310	-.0284	-.0012	-.0001	-.0002	.0313	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0005**	**-.0044**	**-.0000**	**.0068**	**-.0002**	**-.0008**
Stddev	.0000	.0000	.0001	.0001	.0004	.0003	.0005
%RSD	20.03	1.613	2.199	382.8	5.450	151.9	55.63
#1	-.0001	.0005	-.0043	-.0001	.0071	-.0004	-.0011
#2	-.0002	.0005	-.0045	.0001	.0066	.0000	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59991.**	**11651.**	**2037.3**	**4276.2**
Stddev	701.	124.	.5	6.9
%RSD	1.1690	1.0654	.02690	.16084
#1	60487.	11564.	2036.9	4271.3
#2	59495.	11739.	2037.7	4281.1

Zoom In Zoom Out

Sample Name: mp80180-lc1 Acquired: 6/24/2014 1:03:16 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4976**	**.4904**	**.5009**	**.4933**	**.5339**	**.4931**	**.5151**	**.5014**	**.1904**
Stddev	.0008	.0008	.0002	.0001	.0109	.0080	.0095	.0003	.0027
%RSD	.1580	.1692	.0430	.0162	2.048	1.615	1.845	.0519	1.406
#1	.4970	.4898	.5008	.4932	.5416	.4987	.5218	.5012	.1923
#2	.4981	.4910	.5011	.4933	.5261	.4874	.5083	.5016	.1885

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5349**	**.5359**	**.4920**	**.5328**	**.5000**	**.4952**	**.4901**	**4.833**	**5.386**
Stddev	.0072	.0002	.0020	.0003	.0005	.0003	.0000	.038	.019
%RSD	1.338	.0290	.4047	.0622	.0984	.0667	.0089	.7948	.3577
#1	.5400	.5360	.4906	.5325	.4997	.4954	.4901	4.806	5.373
#2	.5299	.5358	.4934	.5330	.5004	.4949	.4902	4.860	5.400

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.579**	**5.285**	**9.820**	**9.959**	**.0014**	**.5233**	**.0006**	**.0031**	**.0019**
Stddev	.008	.013	.035	.018	.0005	.0005	.0003	.0004	.0004
%RSD	.1456	.2521	.3513	.1807	36.86	.0920	56.51	14.43	21.12
#1	5.573	5.275	9.796	9.946	.0018	.5236	.0008	.0027	.0022
#2	5.585	5.294	9.844	9.972	.0010	.5229	.0004	.0034	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**.5319**	**.0030**	**.0001**	**.0085**	**-.0004**	**-.0009**
Stddev	.0000	.0078	.0002	.0001	.0020	.0013	.0002
%RSD	4.335	1.475	6.653	162.4	23.02	308.4	19.77
#1	-.0003	.5375	.0029	.0001	.0099	.0005	-.0008
#2	-.0003	.5264	.0031	-.0000	.0071	-.0013	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59307.**	**11548.**	**2007.7**	**4107.2**
Stddev	844.	27.	2.0	4.0
%RSD	1.4237	.23674	.09784	.09734
#1	58710.	11567.	2006.3	4104.4
#2	59904.	11528.	2009.0	4110.0

Zoom In Zoom Out

Sample Name: mp80180-s1 Acquired: 6/24/2014 1:09:17 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.122**	**.0516**	**.0667**	**.5588**	**.2215**	**.2980**	**.5241**	**.5962**	**.0603**
Stddev	.000	.0003	.0020	.0183	.0010	.0015	.0000	.0192	.0003
%RSD	.0152	.5884	3.035	3.273	.4313	.4936	.0040	3.217	.4634
#1	2.121	.0514	.0681	.5717	.2208	.2970	.5241	.6098	.0601
#2	2.122	.0519	.0653	.5459	.2222	.2990	.5241	.5827	.0605

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6130**	**.5813**	**2.356**	**2.243**	**.5513**	**2.358**	**.5753**	**2.948**	**137.8**
Stddev	.0036	.0200	.082	.075	.0206	.082	.0206	.018	.6
%RSD	.5853	3.446	3.493	3.363	3.735	3.470	3.585	.6097	.4020
#1	.6105	.5955	2.414	2.296	.5658	2.416	.5898	2.935	137.4
#2	.6156	.5671	2.298	2.190	.5367	2.300	.5607	2.960	138.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.139**	**25.58**	**106.0**	**288.4**	**.0357**	**.2214**	**.0091**	**9.315**	**.0001**
Stddev	.007	.08	.1	.1	.0017	.0079	.0001	.333	.0010
%RSD	.6023	.3178	.1084	.0189	4.658	3.590	1.354	3.578	1209.
#1	1.135	25.52	105.9	288.5	.0369	.2270	.0090	9.551	.0008
#2	1.144	25.63	106.1	288.4	.0345	.2157	.0092	9.080	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9510**	**.0013**	**.0308**	**-.0002**	**84.18**	**-.0016**	**.0041**
Stddev	.0001	.0002	.0014	.0002	2.95	.0002	.0008
%RSD	.0059	17.79	4.676	118.7	3.505	13.53	18.40
#1	.9510	.0011	.0318	-.0003	86.27	-.0018	.0047
#2	.9510	.0015	.0297	-.0000	82.09	-.0015	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54557.**	**11130.**	**1772.8**	**3402.3**
Stddev	161.	16.	54.4	100.3
%RSD	.29545	.14014	3.0710	2.9466
#1	54671.	11141.	1734.3	3331.4
#2	54444.	11119.	1811.2	3473.2

Zoom In Zoom Out

Sample Name: mp80180-s2 Acquired: 6/24/2014 1:15:21 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.119**	**.0516**	**.0649**	**.5450**	**.2264**	**.3005**	**.5368**	**.5835**	**.0610**
Stddev	.013	.0004	.0008	.0055	.0027	.0050	.0050	.0052	.0001
%RSD	.6021	.7087	1.159	1.003	1.184	1.654	.9254	.8948	.1378
#1	2.128	.0519	.0654	.5489	.2283	.3040	.5403	.5872	.0611
#2	2.110	.0514	.0644	.5411	.2245	.2970	.5333	.5798	.0610

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6257**	**.5655**	**2.303**	**2.191**	**.5394**	**2.315**	**.5650**	**2.955**	**139.2**
Stddev	.0034	.0072	.013	.018	.0052	.014	.0019	.022	1.3
%RSD	.5365	1.282	.5779	.8140	.9576	.6179	.3317	.7331	.9272
#1	.6280	.5706	2.312	2.204	.5431	2.325	.5663	2.970	140.1
#2	.6233	.5604	2.293	2.179	.5358	2.305	.5637	2.939	138.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.139**	**25.82**	**106.1**	**283.7**	**.0349**	**.2166**	**.0100**	**9.157**	**-.0001**
Stddev	.016	.35	1.1	2.8	.0002	.0012	.0012	.035	.0009
%RSD	1.381	1.353	.9945	.9984	.4409	.5365	11.62	.3772	688.3
#1	1.150	26.07	106.8	285.7	.0350	.2174	.0108	9.182	.0005
#2	1.128	25.57	105.3	281.7	.0348	.2158	.0092	9.133	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9515**	**.0019**	**.0290**	**-.0006**	**82.48**	**-.0014**	**.0052**
Stddev	.0057	.0004	.0006	.0001	.44	.0004	.0001
%RSD	.5968	19.88	2.113	14.99	.5345	26.82	2.255
#1	.9555	.0016	.0294	-.0006	82.79	-.0016	.0052
#2	.9475	.0021	.0285	-.0005	82.17	-.0011	.0053

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53965.**	**11120.**	**1808.0**	**3467.5**
Stddev	436.	120.	6.1	15.7
%RSD	.80827	1.0748	.33549	.45252
#1	53656.	11035.	1803.7	3456.4
#2	54273.	11204.	1812.3	3478.6

Zoom In Zoom Out

Sample Name: jb69533-1af Acquired: 6/24/2014 1:21:24 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (180)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0265**	**-.0002**	**.0004**	**.0029**	**.0046**	**.0323**	**.0002**	**.0405**	**.0025**
Stddev	.0001	.0000	.0002	.0002	.0001	.0004	.0000	.0002	.0000
%RSD	.2213	18.35	55.38	6.955	1.444	1.206	5.595	.4958	1.540
#1	.0266	-.0002	.0002	.0028	.0046	.0326	.0002	.0406	.0025
#2	.0265	-.0002	.0005	.0031	.0047	.0320	.0002	.0404	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0593**	**.0018**	**.0119**	**.0083**	**.0013**	**.0192**	**.0010**	**.8839**	**115.5**
Stddev	.0002	.0000	.0002	.0001	.0011	.0010	.0011	.0002	.8
%RSD	.3468	1.041	1.591	1.674	89.37	5.335	105.3	.0190	.7142
#1	.0592	.0018	.0118	.0084	.0021	.0185	.0018	.8837	114.9
#2	.0595	.0017	.0120	.0082	.0005	.0199	.0003	.8840	116.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0427**	**.0500**	**80.64**	**262.3**	**.0346**	**.2202**	**.0089**	**9.273**	**-.0008**
Stddev	.0001	.0096	.11	.7	.0004	.0001	.0017	.000	.0008
%RSD	.3480	19.20	.1357	.2762	1.180	.0229	18.66	.0011	93.78
#1	.0428	.0432	80.72	262.8	.0349	.2202	.0077	9.273	-.0014
#2	.0426	.0567	80.57	261.7	.0343	.2201	.0101	9.273	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9743**	**-.0002**	**.0137**	**-.0005**	**83.87**	**-.0015**	**.0053**
Stddev	.0007	.0005	.0003	.0001	.11	.0003	.0002
%RSD	.0756	273.8	2.404	26.72	.1284	20.42	3.790
#1	.9749	.0002	.0139	-.0006	83.79	-.0013	.0052
#2	.9738	-.0005	.0134	-.0004	83.95	-.0017	.0055

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55374.**	**11307.**	**1819.0**	**3521.5**
Stddev	50.	74.	.6	.1
%RSD	.09001	.65151	.03095	.00319
#1	55409.	11359.	1819.4	3521.4
#2	55339.	11255.	1818.6	3521.5

Zoom In Zoom Out

Sample Name: mp80180-sd1 Acquired: 6/24/2014 1:27:34 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 533-1af

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0271**	**-.0006**	**.0006**	**.0021**	**.0051**	**.0372**	**.0001**	**.0427**	**.0023**
Stddev	.0004	.0001	.0005	.0000	.0008	.0003	.0001	.0001	.0013
%RSD	1.613	18.79	76.42	1.534	16.33	.8245	188.4	.1929	55.53
#1	.0274	-.0007	.0009	.0022	.0056	.0374	.0001	.0428	.0014
#2	.0268	-.0006	.0003	.0021	.0045	.0370	-.0000	.0427	.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0623**	**.0057**	**.0053**	**.0048**	**.0044**	**.0142**	**.0073**	**.8951**	**119.9**
Stddev	.0009	.0010	.0032	.0022	.0001	.0014	.0004	.0455	.4
%RSD	1.422	18.14	59.05	45.25	2.221	9.926	5.110	5.079	.3211
#1	.0617	.0050	.0031	.0032	.0044	.0152	.0071	.9273	119.6
#2	.0630	.0064	.0076	.0063	.0043	.0132	.0076	.8630	120.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0461**	**.0597**	**80.73**	**278.8**	**.0300**	**.2215**	**.0094**	**9.193**	**.0021**
Stddev	.0139	.1582	.23	.7	.0010	.0019	.0062	.081	.0009
%RSD	30.06	264.9	.2904	.2392	3.274	.8421	65.67	.8857	44.54
#1	.0363	.1715	80.57	278.3	.0307	.2228	.0050	9.250	.0014
#2	.0559	-.0521	80.90	279.2	.0293	.2202	.0138	9.135	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9940**	**-.0005**	**-.0266**	**-.0028**	**81.91**	**-.0044**	**.0053**
Stddev	.0001	.0004	.0046	.0005	.61	.0006	.0001
%RSD	.0065	72.08	17.21	16.84	.7418	12.72	2.115
#1	.9939	-.0003	-.0299	-.0031	82.34	-.0048	.0054
#2	.9940	-.0008	-.0234	-.0025	81.48	-.0040	.0053

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58291.**	**11351.**	**1955.7**	**3943.8**
Stddev	313.	69.	14.1	21.6
%RSD	.53656	.60940	.72010	.54796
#1	58070.	11400.	1945.7	3928.5
#2	58512.	11302.	1965.6	3959.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 1:33:42 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**1.994**	**2.084**	**2.086**	**2.150**	**2.033**	**2.107**	**2.082**	**.2561**
Stddev	.037	.036	.013	.010	.018	.026	.018	.008	.0021
%RSD	1.861	1.807	.6186	.4650	.8556	1.258	.8442	.3725	.8328
#1	2.043	2.019	2.094	2.093	2.163	2.051	2.120	2.088	.2576
#2	1.990	1.968	2.075	2.079	2.137	2.015	2.095	2.077	.2545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.127**	**2.168**	**2.044**	**2.178**	**2.085**	**2.040**	**2.045**	**39.39**	**39.46**
Stddev	.024	.012	.017	.009	.009	.011	.016	.68	.61
%RSD	1.140	.5379	.8087	.4227	.4493	.5564	.7643	1.735	1.555
#1	2.145	2.177	2.056	2.184	2.092	2.048	2.056	39.87	39.89
#2	2.110	2.160	2.032	2.171	2.079	2.032	2.034	38.90	39.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.26**	**39.15**	**40.27**	**40.54**	**2.106**	**2.155**	**2.055**	**5.131**	**2.129**
Stddev	.69	.59	.69	.73	.016	.015	.021	.032	.015
%RSD	1.721	1.503	1.708	1.811	.7369	.6903	.9979	.6276	.7076
#1	40.75	39.57	40.76	41.06	2.117	2.165	2.070	5.154	2.140
#2	39.77	38.74	39.78	40.02	2.095	2.144	2.041	5.108	2.119
Check ?	Chk Pass	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: 6/24/2014 1:33:42 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.043**	**2.126**	**2.056**	**2.018**	**2.078**	**2.046**	**1.981**
Stddev	.039	.020	.009	.022	.009	.009	.036
%RSD	1.895	.9203	.4325	1.078	.4526	.4579	1.832
#1	2.070	2.140	2.050	2.034	2.085	2.053	2.007
#2	2.016	2.112	2.062	2.003	2.072	2.040	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	**57366.**	**11437.**	**1956.7**	**3827.9**
Stddev	597.	171.	13.1	18.9
%RSD	1.0406	1.4941	.66994	.49495
#1	56944.	11316.	1947.5	3814.5
#2	57788.	11558.	1966.0	3841.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 1:39:37 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0005**	**.0005**	**.0003**	**.0005**	**.0010**	**.0004**	**.0007**
Stddev	.0000	.0001	.0000	.0002	.0000	.0005	.0001	.0002
%RSD	1.509	11.05	2.367	66.91	2.800	45.22	15.23	30.40
#1	.0006	.0006	.0005	.0005	.0006	.0013	.0005	.0008
#2	.0006	.0005	.0005	.0002	.0005	.0007	.0004	.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**	**.0008**	**.0006**	**.0003**	**.0003**	**-.0006**	**.0009**	**.0003**
Stddev	.0002	.0003	.0001	.0002	.0004	.0003	.0025	.0006
%RSD	75.68	40.03	15.54	64.97	131.0	45.98	273.1	169.7
#1	.0003	.0010	.0005	.0001	.0006	-.0008	.0027	-.0001
#2	.0001	.0005	.0006	.0004	.0000	-.0004	-.0009	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0068**	**.0183**	W **.0141**	**-.0003**	**.0683**	**.0347**	**.0001**	**.0010**
Stddev	.0043	.0015	.0017	.0016	.0039	.0024	.0005	.0004
%RSD	63.63	8.359	12.19	613.8	5.656	7.062	490.4	34.67
#1	.0098	.0172	.0153	.0009	.0656	.0364	-.0002	.0013
#2	.0037	.0194	.0128	-.0014	.0711	.0329	.0004	.0008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 1:39:37 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(5)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0022**	**.0007**	**.0005**	**.0006**	**.0124**	**.0009**	**.0052**
Stddev	.0040	.0003	.0012	.0001	.0003	.0025	.0000	.0017
%RSD	517.2	13.80	170.0	14.22	46.07	20.55	3.678	32.44
#1	-.0020	.0025	.0016	.0006	.0007	.0142	.0009	.0064
#2	.0036	.0020	-.0001	.0005	.0004	.0106	.0009	.0040
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	**.0009**	**.0002**
Stddev	.0000	.0010
%RSD	3.517	427.1
#1	.0009	.0009
#2	.0009	-.0005
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60612.**	**11780.**	**2059.7**	**4306.0**
Stddev	209.	30.	.8	.2
%RSD	.34434	.25602	.04126	.00486
#1	60465.	11801.	2059.1	4306.1
#2	60760.	11758.	2060.3	4305.8

Zoom In Zoom Out

Sample Name: jb69340-13 Acquired: 6/24/2014 1:45:47 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1630**	**-.0001**	**.0006**	**.0028**	**.0011**	**.0024**	**1.663**	**.0034**	**.0049**
Stddev	.0002	.0000	.0003	.0001	.0005	.0003	.001	.0004	.0006
%RSD	.1349	5.192	44.21	2.617	41.74	13.98	.0288	10.49	12.12
#1	.1628	-.0001	.0008	.0029	.0008	.0026	1.663	.0032	.0045
#2	.1631	-.0001	.0004	.0028	.0014	.0022	1.662	.0037	.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.1527**	**.0156**	**-.0003**	**.0027**	**.0042**	**-.0001**	**.3934**	**79.28**
Stddev	.0005	.0004	.0001	.0001	.0007	.0014	.0001	.0037	.19
%RSD	35.19	.2671	.4744	46.61	23.96	34.42	197.6	.9488	.2361
#1	.0017	.1530	.0157	-.0004	.0023	.0032	-.0001	.3960	79.15
#2	.0010	.1524	.0156	-.0002	.0032	.0052	.0000	.3908	79.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**14.96**	**18.55**	**6.459**	**83.89**	**.4817**	**.0014**	**.0147**	**14.52**	**-.0019**
Stddev	.01	.04	.016	.01	.0006	.0000	.0021	.01	.0002
%RSD	.0948	.2190	.2432	.0129	.1298	.8538	14.57	.0664	11.03
#1	14.97	18.52	6.470	83.90	.4813	.0014	.0162	14.52	-.0021
#2	14.95	18.58	6.448	83.88	.4822	.0014	.0132	14.51	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.072**	**.0088**	**.0184**	**.0008**	**24.36**	**-.0015**	**.0242**
Stddev	.001	.0007	.0005	.0000	.06	.0001	.0008
%RSD	.1249	7.916	2.500	1.655	.2513	6.362	3.240
#1	1.071	.0083	.0181	.0008	24.40	-.0014	.0236
#2	1.073	.0093	.0187	.0008	24.32	-.0015	.0247

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56793.**	**11392.**	**1864.8**	**3721.6**
Stddev	141.	9.	.1	1.4
%RSD	.24763	.07563	.00475	.03791
#1	56893.	11386.	1864.8	3722.6
#2	56694.	11398.	1864.7	3720.6

Zoom In Zoom Out

Sample Name: jb69340-13f Acquired: 6/24/2014 1:51:50 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1396**	**-.0001**	**.0004**	**.0025**	**.0007**	**.0002**	**1.826**	**.0029**	**.0043**
Stddev	.0045	.0000	.0001	.0001	.0001	.0004	.010	.0004	.0012
%RSD	3.234	32.01	30.74	4.343	13.89	220.5	.5499	15.37	27.05
#1	.1364	-.0002	.0005	.0024	.0006	.0004	1.819	.0032	.0035
#2	.1428	-.0001	.0003	.0026	.0007	-.0001	1.833	.0026	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.1470**	**.0187**	**-.0023**	**.0008**	**.0044**	**.0001**	**.0549**	**86.26**
Stddev	.0000	.0022	.0005	.0006	.0008	.0014	.0003	.0017	2.83
%RSD	3.381	1.486	2.654	26.66	99.72	31.45	231.9	3.157	3.283
#1	.0007	.1486	.0190	-.0027	.0014	.0054	.0003	.0537	84.26
#2	.0007	.1455	.0183	-.0018	.0002	.0034	-.0001	.0561	88.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.64**	**19.96**	**7.109**	**92.64**	**.5303**	**.0015**	**.0155**	**15.15**	**-.0028**
Stddev	.53	.63	.264	3.09	.0042	.0002	.0017	.16	.0006
%RSD	3.382	3.166	3.707	3.338	.7884	13.18	11.10	1.030	21.87
#1	15.26	19.51	6.923	90.45	.5333	.0016	.0167	15.26	-.0024
#2	16.01	20.40	7.295	94.83	.5274	.0013	.0143	15.04	-.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.174**	**-.0001**	**.0159**	**.0005**	**26.74**	**-.0027**	**.0256**
Stddev	.041	.0002	.0014	.0001	.25	.0003	.0008
%RSD	3.468	141.0	8.597	15.76	.9411	9.457	3.297
#1	1.145	-.0002	.0168	.0005	26.91	-.0029	.0250
#2	1.202	-.0000	.0149	.0006	26.56	-.0025	.0262

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56136.**	**11308.**	**1851.3**	**3689.8**
Stddev	324.	312.	17.0	32.9
%RSD	.57796	2.7612	.91796	.89061
#1	56366.	11529.	1839.3	3666.5
#2	55907.	11087.	1863.3	3713.0

Zoom In Zoom Out

Sample Name: jb69448-1 Acquired: 6/24/2014 1:57:55 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0448**	**.0000**	**.0003**	**.0100**	**.1681**	**.0078**	**.1398**	**.0139**	**.0015**
Stddev	.0003	.0000	.0000	.0000	.0000	.0002	.0003	.0002	.0005
%RSD	.7598	20.79	2.478	.2600	.0190	2.947	.2279	1.108	33.02
#1	.0446	.0000	.0003	.0100	.1682	.0079	.1400	.0140	.0012
#2	.0451	.0000	.0003	.0100	.1681	.0076	.1395	.0138	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0123**	**.0305**	**.0005**	**.0002**	**.0027**	**-.0005**	**-.0007**	**.8569**	**13.02**
Stddev	.0005	.0000	.0001	.0008	.0006	.0011	.0014	.0034	.05
%RSD	3.755	.0687	14.07	370.6	23.63	215.4	208.8	.3927	.3857
#1	.0120	.0305	.0006	-.0004	.0031	.0003	-.0017	.8546	12.98
#2	.0126	.0305	.0005	.0008	.0022	-.0012	.0003	.8593	13.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.357**	**7.283**	**5.076**	**24.84**	**.1043**	**.0001**	**.0041**	**3.659**	**.0010**
Stddev	.009	.009	.051	.11	.0002	.0001	.0020	.002	.0005
%RSD	.6325	.1280	.9950	.4567	.1990	101.9	48.94	.0558	49.26
#1	1.351	7.276	5.040	24.76	.1042	.0002	.0056	3.657	.0007
#2	1.363	7.290	5.112	24.92	.1045	.0000	.0027	3.660	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1063**	**.0326**	**-.0041**	**.0008**	**8.657**	**-.0009**	**.0050**
Stddev	.0008	.0007	.0007	.0003	.002	.0012	.0002
%RSD	.7413	2.221	17.95	42.37	.0278	132.6	3.919
#1	.1057	.0331	-.0046	.0005	8.655	-.0001	.0052
#2	.1068	.0321	-.0035	.0010	8.659	-.0018	.0049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59108.**	**11501.**	**1968.2**	**4010.6**
Stddev	161.	14.	4.6	1.1
%RSD	.27281	.12132	.23462	.02706
#1	59222.	11511.	1971.5	4011.3
#2	58994.	11492.	1965.0	4009.8

Zoom In Zoom Out

Sample Name: jb69448-2 Acquired: 6/24/2014 2:04:01 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0979**	**.0002**	**.0009**	**.0820**	**.0057**	**.0063**	**4.080**	**.0189**	**.0016**
Stddev	.0001	.0000	.0001	.0003	.0003	.0000	.005	.0000	.0004
%RSD	.1411	16.30	9.524	.3412	4.596	.6162	.1122	.2569	26.38
#1	.0980	.0001	.0009	.0822	.0058	.0063	4.083	.0188	.0019
#2	.0978	.0002	.0008	.0818	.0055	.0063	4.077	.0189	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0061**	**.0472**	**.0003**	**.0006**	**.0009**	**.0010**	**.0004**	**.6771**	**30.42**
Stddev	.0001	.0005	.0010	.0002	.0004	.0005	.0003	.0061	.16
%RSD	1.077	1.086	334.7	30.47	48.30	51.56	72.00	.9024	.5215
#1	.0061	.0475	-.0004	.0007	.0012	.0014	.0002	.6728	30.53
#2	.0062	.0468	.0010	.0005	.0006	.0006	.0006	.6814	30.31

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5753**	**10.54**	**13.72**	**74.91**	**.0839**	**.0005**	**.0024**	**3.949**	**-.0004**
Stddev	.0005	.06	.07	.22	.0005	.0002	.0006	.022	.0014
%RSD	.0801	.5315	.5233	.2946	.5785	38.82	23.11	.5526	349.7
#1	.5756	10.58	13.77	75.07	.0843	.0006	.0020	3.964	.0006
#2	.5749	10.50	13.67	74.75	.0836	.0003	.0028	3.933	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1324**	**.0192**	**-.0002**	**.0002**	**11.55**	**-.0004**	**.0063**
Stddev	.0002	.0005	.0011	.0001	.07	.0006	.0001
%RSD	.1762	2.680	446.0	51.64	.6172	168.9	2.320
#1	.1326	.0189	.0005	.0001	11.60	.0001	.0064
#2	.1323	.0196	-.0010	.0003	11.49	-.0008	.0062

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57164.**	**11344.**	**1914.6**	**3827.5**
Stddev	177.	75.	12.6	21.2
%RSD	.30933	.65732	.66026	.55377
#1	57039.	11292.	1905.7	3812.5
#2	57289.	11397.	1923.6	3842.5

Zoom In Zoom Out

Sample Name: jb69448-3 Acquired: 6/24/2014 2:10:06 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1167**	**.0001**	**.0003**	**.0085**	**.2405**	**.0111**	**.6106**	**.0141**	**.0010**
Stddev	.0004	.0000	.0000	.0003	.0060	.0005	.0145	.0001	.0002
%RSD	.3550	35.96	4.774	3.030	2.494	4.229	2.370	.5127	18.71
#1	.1170	.0001	.0003	.0083	.2362	.0108	.6003	.0140	.0008
#2	.1164	.0001	.0003	.0087	.2447	.0115	.6208	.0141	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0137**	**.0678**	**-.0005**	**-.0001**	**.0023**	**.0045**	**-.0001**	**1.122**	**11.50**
Stddev	.0002	.0003	.0006	.0005	.0004	.0020	.0008	.002	.05
%RSD	1.510	.4370	135.4	456.7	15.97	44.03	925.8	.1613	.4479
#1	.0138	.0676	-.0000	-.0005	.0021	.0059	.0005	1.121	11.54
#2	.0135	.0681	-.0009	.0003	.0026	.0031	-.0007	1.124	11.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.197**	**6.759**	**4.331**	**19.32**	**.0569**	**.0003**	**.0045**	**3.282**	**.0014**
Stddev	.010	.045	.039	.06	.0006	.0003	.0007	.007	.0009
%RSD	.4622	.6642	.8942	.2923	.9696	109.7	14.59	.2244	65.96
#1	2.204	6.790	4.359	19.36	.0565	.0005	.0050	3.277	.0007
#2	2.190	6.727	4.304	19.28	.0573	.0001	.0040	3.287	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0878**	**.0449**	**-.0026**	**.0010**	**7.447**	**-.0011**	**.0025**
Stddev	.0003	.0017	.0002	.0001	.047	.0008	.0008
%RSD	.3706	3.773	7.729	11.27	.6264	73.95	31.51
#1	.0880	.0437	-.0027	.0009	7.414	-.0017	.0031
#2	.0876	.0460	-.0024	.0010	7.480	-.0005	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59143.**	**11688.**	**1989.8**	**4062.9**
Stddev	1446.	41.	5.1	13.2
%RSD	2.4442	.35274	.25595	.32456
#1	60165.	11658.	1993.4	4072.2
#2	58121.	11717.	1986.2	4053.6

Zoom In Zoom Out

Sample Name: jb69448-4 Acquired: 6/24/2014 2:16:12 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0973**	**-.0000**	**.0003**	**.0013**	**.0049**	**.0044**	**.0143**	**.0049**	**.0005**
Stddev	.0004	.0000	.0000	.0000	.0002	.0001	.0001	.0001	.0000
%RSD	.4101	58.16	10.63	.9056	3.577	2.392	.3952	2.933	5.118
#1	.0976	-.0000	.0003	.0013	.0050	.0043	.0143	.0050	.0005
#2	.0970	-.0000	.0003	.0013	.0047	.0045	.0144	.0048	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0024**	**.0174**	**-.0005**	**.0013**	**.0009**	**.0009**	**-.0004**	**.1410**	**11.54**
Stddev	.0001	.0003	.0007	.0005	.0002	.0004	.0009	.0089	.01
%RSD	5.892	1.586	126.1	39.84	24.23	46.18	254.3	6.322	.1191
#1	.0023	.0176	-.0010	.0009	.0007	.0006	.0003	.1347	11.55
#2	.0025	.0172	-.0001	.0017	.0010	.0012	-.0010	.1473	11.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.178**	**6.636**	**11.94**	**27.15**	**.0804**	**.0005**	**.0030**	**2.717**	**.0006**
Stddev	.005	.010	.01	.04	.0012	.0000	.0009	.019	.0001
%RSD	.4557	.1490	.1193	.1547	1.440	.7446	30.33	.7084	9.411
#1	1.181	6.629	11.93	27.18	.0812	.0005	.0036	2.730	.0006
#2	1.174	6.643	11.95	27.12	.0796	.0005	.0023	2.703	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0705**	**.0059**	**-.0054**	**.0002**	**7.742**	**-.0016**	**.0023**
Stddev	.0000	.0003	.0003	.0000	.054	.0002	.0004
%RSD	.0515	4.726	6.075	23.28	.6979	13.48	17.30
#1	.0705	.0057	-.0056	.0002	7.780	-.0017	.0020
#2	.0705	.0061	-.0052	.0001	7.704	-.0014	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59605.	11629.	1980.6	4032.1
Stddev	30.	3.	16.0	25.4
%RSD	.05094	.02727	.80914	.62870
#1	59583.	11627.	1969.3	4014.2
#2	59626.	11631.	1992.0	4050.1

Zoom In Zoom Out

Sample Name: jb69448-5 Acquired: 6/24/2014 2:22:18 Type: Unk
Method: Accutest1(v289) Mode: CONC 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**	**.0025**	**.1005**	**.0040**	**.0558**	**.0075**	**.0011**
Stddev	.0010	.0000	.0001	.0000	.0001	.0005	.0001	.0001	.0004
%RSD	1.188	11.86	133.6	.6204	.1173	12.11	.0905	1.361	36.80
#1	.0863	-.0000	.0000	.0024	.1004	.0037	.0558	.0075	.0008
#2	.0849	-.0000	.0002	.0025	.1006	.0044	.0558	.0076	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0051**	**.0220**	**-.0001**	**.0017**	**.0011**	**-.0002**	**-.0004**	**.4939**	**8.553**
Stddev	.0001	.0002	.0013	.0013	.0004	.0011	.0002	.0188	.104
%RSD	1.946	.8843	1451.	77.58	39.60	722.3	36.22	3.803	1.214
#1	.0052	.0222	-.0010	.0026	.0015	.0006	-.0005	.5071	8.627
#2	.0050	.0219	.0008	.0008	.0008	-.0009	-.0003	.4806	8.480

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7828**	**4.378**	**13.92**	**23.99**	**.0796**	**-.0001**	**.0015**	**2.611**	**.0005**
Stddev	.0063	.106	.17	.24	.0013	.0001	.0019	.001	.0003
%RSD	.8097	2.428	1.197	.9813	1.613	221.8	126.2	.0547	72.12
#1	.7872	4.453	14.04	24.16	.0805	-.0001	.0002	2.612	.0007
#2	.7783	4.303	13.81	23.83	.0787	.0000	.0029	2.610	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0793**	**.0118**	**-.0058**	**.0005**	**7.098**	**-.0016**	**.0044**
Stddev	.0008	.0001	.0002	.0004	.009	.0008	.0002
%RSD	1.027	.5958	4.143	76.06	.1200	47.85	4.897
#1	.0799	.0119	-.0059	.0002	7.092	-.0022	.0042
#2	.0787	.0118	-.0056	.0007	7.104	-.0011	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	60062.	11633.	1975.2	4028.0
Stddev	207.	80.	2.3	2.0
%RSD	.34384	.69018	.11669	.05025
#1	59916.	11576.	1973.6	4026.6
#2	60208.	11690.	1976.9	4029.5

Zoom In Zoom Out

Sample Name: jb69448-6 Acquired: 6/24/2014 2:28:24 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0767**	**-.0001**	**.0001**	**.0120**	**.1308**	**.0062**	**.9930**	**.0100**	**.0011**
Stddev	.0003	.0000	.0001	.0001	.0025	.0000	.0169	.0000	.0002
%RSD	.3351	30.93	74.57	1.124	1.880	.6696	1.705	.1637	14.93
#1	.0769	-.0001	.0001	.0121	.1325	.0062	1.005	.0100	.0009
#2	.0765	-.0000	.0002	.0119	.1290	.0061	.9811	.0101	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0071**	**.0273**	**-.0009**	**.0001**	**.0037**	**.0017**	**-.0014**	**.4187**	**19.78**
Stddev	.0002	.0001	.0010	.0004	.0013	.0004	.0014	.0097	.02
%RSD	2.576	.5416	113.7	336.6	34.56	21.73	103.2	2.322	.0861
#1	.0070	.0272	-.0002	.0004	.0028	.0019	-.0024	.4256	19.77
#2	.0072	.0274	-.0016	-.0002	.0045	.0014	-.0004	.4118	19.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8237**	**8.182**	**7.722**	**18.76**	**.0538**	**.0002**	**.0032**	**3.183**	**-.0001**
Stddev	.0013	.037	.007	.07	.0002	.0002	.0008	.025	.0010
%RSD	.1601	.4515	.0908	.3716	.3310	82.15	25.08	.7969	1823.
#1	.8246	8.156	7.727	18.81	.0539	.0004	.0027	3.165	.0006
#2	.8227	8.208	7.717	18.71	.0536	.0001	.0038	3.201	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1497**	**.0161**	**-.0041**	**.0002**	**6.645**	**-.0009**	**.0042**
Stddev	.0007	.0004	.0009	.0000	.051	.0003	.0004
%RSD	.4952	2.315	21.87	5.270	.7711	29.66	8.470
#1	.1502	.0164	-.0047	.0002	6.609	-.0007	.0040
#2	.1492	.0159	-.0035	.0002	6.681	-.0010	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59411.	11635.	1950.0	3992.3
Stddev	850.	21.	11.2	23.3
%RSD	1.4311	.17671	.57663	.58477
#1	58809.	11649.	1958.0	4008.9
#2	60012.	11620.	1942.1	3975.8

Zoom In Zoom Out

Sample Name: jb69522-1 Acquired: 6/24/2014 2:34:32 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0149**	**-.0001**	**.0003**	**.0000**	**.0089**	**.0076**	**.0785**	**.0023**	**.0023**
Stddev	.0001	.0000	.0000	.0002	.0004	.0000	.0000	.0002	.0000
%RSD	.4045	17.25	4.297	716.9	4.652	.0637	.0035	9.601	.1597
#1	.0149	-.0001	.0003	-.0001	.0086	.0076	.0785	.0021	.0023
#2	.0149	-.0001	.0003	.0002	.0092	.0076	.0786	.0024	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0120**	**.0429**	**.0017**	**-.0004**	**.0070**	**.0034**	**.0002**	**2.335**	**21.38**
Stddev	.0000	.0002	.0004	.0006	.0002	.0021	.0010	.032	.10
%RSD	.0021	.4636	24.66	157.9	2.526	62.29	493.8	1.373	.4498
#1	.0120	.0427	.0020	-.0008	.0071	.0019	-.0005	2.312	21.31
#2	.0120	.0430	.0014	.0000	.0069	.0050	.0010	2.358	21.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.106**	**6.079**	**4.952**	**92.86**	**.0987**	**.0001**	**.0105**	**8.363**	**.0005**
Stddev	.044	.045	.028	.33	.0000	.0002	.0005	.004	.0007
%RSD	.7221	.7438	.5662	.3507	.0315	197.5	4.422	.0454	162.9
#1	6.075	6.047	4.933	92.63	.0988	-.0000	.0109	8.361	.0010
#2	6.137	6.111	4.972	93.09	.0987	.0002	.0102	8.366	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1073**	**.0649**	**-.0002**	**.0032**	**.9807**	**-.0004**	**.0035**
Stddev	.0005	.0000	.0005	.0001	.0024	.0007	.0003
%RSD	.4660	.0255	220.1	4.557	.2442	196.1	7.873
#1	.1069	.0650	-.0005	.0033	.9790	-.0009	.0037
#2	.1076	.0649	.0001	.0031	.9824	.0001	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	57705.	11527.	1910.5	3800.5
Stddev	67.	34.	1.4	.4
%RSD	.11604	.29374	.07385	.01141
#1	57658.	11551.	1909.5	3800.2
#2	57753.	11504.	1911.5	3800.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 2:40:42 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

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**	**2.198**	**2.191**	F **2.204**	**2.080**	**2.171**	**2.182**	**.2646**
Stddev	.022	.024	.009	.003	.012	.017	.010	.001	.0022
%RSD	1.022	1.149	.4092	.1424	.5322	.8016	.4660	.0447	.8311
#1	2.108	2.058	2.192	2.188	2.195	2.068	2.163	2.181	.2631
#2	2.139	2.092	2.204	2.193	2.212	2.092	2.178	2.183	.2662
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	**2.163**	F **2.270**	**2.153**	F **2.281**	**2.181**	**2.153**	**2.161**	**41.66**	**41.55**
Stddev	.017	.004	.002	.004	.004	.010	.005	.47	.49
%RSD	.7735	.1752	.0913	.1823	.1982	.4666	.2147	1.123	1.170
#1	2.151	2.267	2.151	2.278	2.178	2.146	2.158	41.33	41.21
#2	2.175	2.273	2.154	2.284	2.184	2.160	2.165	41.99	41.90
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2.000		2.000					
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	**42.37**	**41.18**	**42.35**	**42.59**	F **2.221**	F **2.268**	**2.117**	**5.412**	F **2.241**
Stddev	.46	.56	.50	.44	.004	.009	.010	.017	.007
%RSD	1.091	1.365	1.185	1.040	.2026	.3942	.4680	.3051	.3052
#1	42.04	40.78	41.99	42.28	2.217	2.262	2.110	5.400	2.237
#2	42.69	41.57	42.70	42.90	2.224	2.275	2.124	5.423	2.246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value					2.000	2.000			2.000
Range					10.00%	10.00%			10.00%

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 2:40:42 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.151**	**2.186**	**2.171**	**2.058**	**2.186**	**2.161**	**2.100**
Stddev	.019	.014	.030	.016	.010	.007	.025
%RSD	.8988	.6403	1.375	.7693	.4549	.3439	1.207
#1	2.137	2.176	2.150	2.047	2.179	2.156	2.082
#2	2.164	2.196	2.192	2.069	2.193	2.166	2.118
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	**56205.**	**10963.**	**1864.9**	**3662.3**
Stddev	299.	112.	8.9	10.8
%RSD	.53124	1.0193	.47791	.29467
#1	56416.	11042.	1871.2	3669.9
#2	55994.	10884.	1858.6	3654.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 2:46:37 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0004**	**.0003**	**.0002**	**.0014**	**.0001**	**.0005**	**.0002**
Stddev	.0001	.0000	.0001	.0002	.0007	.0000	.0000	.0001	.0003
%RSD	24.24	14.91	20.00	79.01	267.9	2.801	26.99	18.00	136.3
#1	.0003	.0001	.0005	.0004	-.0002	.0014	.0001	.0005	.0000
#2	.0002	.0001	.0004	.0001	.0007	.0014	.0001	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0006**	**-.0003**	**.0007**	**-.0006**	**.0010**	**.0004**	**.0044**	**.0038**
Stddev	.0001	.0001	.0009	.0009	.0001	.0029	.0007	.0017	.0036
%RSD	24.34	10.59	295.7	122.8	22.81	287.0	179.2	38.52	93.21
#1	.0004	.0007	.0003	.0014	-.0007	-.0011	.0008	.0056	.0013
#2	.0003	.0006	-.0009	.0001	-.0005	.0031	-.0001	.0032	.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	**.0042**	**.0249**	**.0191**	**.0080**	**-.0004**	**.0006**	**.0000**	**.0006**	**.0003**
Stddev	.0019	.0073	.0207	.0035	.0004	.0002	.0003	.0009	.0004
%RSD	44.32	29.22	108.3	43.18	104.3	34.91	1011.	149.9	130.4
#1	.0055	.0300	.0337	.0056	-.0001	.0008	-.0002	.0012	.0005
#2	.0029	.0197	.0045	.0105	-.0006	.0005	.0003	-.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 2:46:37 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(6)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0134**	**.0007**	**.0049**	**.0004**	**.0001**
Stddev	.0000	.0003	.0034	.0003	.0003	.0003	.0001
%RSD	20.42	152.3	25.14	44.55	5.556	73.83	132.9
#1	.0002	-.0000	.0157	.0004	.0047	.0006	.0000
#2	.0001	.0004	.0110	.0009	.0051	.0002	.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	**59034.**	**11250.**	**1996.7**	**4168.2**
Stddev	799.	74.	1.2	2.4
%RSD	1.3532	.65657	.05988	.05832
#1	58469.	11197.	1997.5	4169.9
#2	59599.	11302.	1995.8	4166.4

Zoom In Zoom Out

Sample Name: jb69522-2 Acquired: 6/24/2014 2:52:47 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0272**	**-.0002**	**.0006**	**-.0001**	**.0032**	**.0055**	**.1739**	**.0043**	**.0022**
Stddev	.0002	.0000	.0000	.0000	.0003	.0001	.0010	.0006	.0002
%RSD	.7855	23.67	3.080	3.550	10.47	2.130	.5779	13.55	10.69
#1	.0270	-.0002	.0006	-.0000	.0029	.0056	.1746	.0047	.0020
#2	.0273	-.0001	.0006	-.0001	.0034	.0054	.1732	.0039	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0514**	**.0027**	**-.0009**	**.0027**	**.0031**	**.0005**	**.2695**	**30.96**
Stddev	.0000	.0013	.0001	.0010	.0018	.0013	.0011	.0018	.05
%RSD	1.688	2.471	5.542	109.5	68.93	41.18	214.0	.6684	.1545
#1	.0016	.0523	.0028	-.0002	.0039	.0041	-.0003	.2708	30.93
#2	.0016	.0505	.0026	-.0016	.0014	.0022	.0013	.2682	31.00

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.457**	**6.315**	**4.873**	**61.43**	**.0622**	**.0003**	**.0073**	**6.409**	**.0001**
Stddev	.006	.005	.028	.11	.0007	.0001	.0019	.144	.0005
%RSD	.0885	.0733	.5819	.1864	1.180	24.97	26.29	2.254	551.7
#1	6.461	6.312	4.853	61.51	.0627	.0002	.0087	6.511	.0005
#2	6.453	6.319	4.893	61.34	.0617	.0003	.0060	6.306	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2821**	**.0085**	**.0111**	**.0006**	**.4136**	**-.0005**	**.0042**
Stddev	.0004	.0001	.0020	.0001	.0071	.0010	.0010
%RSD	.1515	.6486	18.05	9.123	1.705	186.6	23.62
#1	.2824	.0084	.0125	.0007	.4186	-.0013	.0049
#2	.2818	.0085	.0097	.0006	.4087	.0002	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56595.**	**11193.**	**1911.5**	**3846.8**
Stddev	72.	2.	35.4	65.5
%RSD	.12700	.02016	1.8532	1.7029
#1	56646.	11194.	1886.4	3800.5
#2	56544.	11191.	1936.5	3893.1

Zoom In Zoom Out

Sample Name: jb69522-3 Acquired: 6/24/2014 2:58:53 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0085**	**-.0002**	**.0001**	**.0002**	**.0013**	**.0029**	**.0103**	**.0016**	**.0011**
Stddev	.0002	.0000	.0001	.0002	.0003	.0000	.0001	.0004	.0002
%RSD	1.797	15.39	143.5	132.4	22.22	.0309	.5343	22.47	19.41
#1	.0084	-.0002	-.0000	.0003	.0015	.0029	.0103	.0014	.0012
#2	.0086	-.0001	.0002	.0000	.0011	.0029	.0103	.0019	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0184**	**.0004**	**.0006**	**.0016**	**.0002**	**.0003**	**.2049**	**4.046**
Stddev	.0004	.0000	.0002	.0001	.0006	.0007	.0003	.0142	.009
%RSD	97.39	.2000	55.60	15.95	38.41	373.6	102.2	6.914	.2199
#1	.0001	.0185	.0002	.0007	.0012	-.0003	.0001	.2149	4.052
#2	.0007	.0184	.0005	.0005	.0020	.0007	.0005	.1949	4.040

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.063**	**1.811**	**2.052**	**31.98**	**.0966**	**.0000**	**.0035**	**2.414**	**.0009**
Stddev	.006	.006	.023	.04	.0002	.0001	.0001	.007	.0005
%RSD	.5776	.3118	1.129	.1293	.1957	345.5	2.993	.2967	60.73
#1	1.067	1.807	2.068	32.01	.0965	-.0001	.0036	2.409	.0012
#2	1.059	1.815	2.035	31.95	.0967	.0001	.0034	2.419	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0317**	**.0032**	**.0011**	**.0001**	**3.195**	**.0002**	**.0008**
Stddev	.0000	.0003	.0004	.0002	.001	.0003	.0007
%RSD	.0748	9.974	36.35	130.0	.0392	187.1	81.28
#1	.0316	.0030	.0014	.0000	3.194	.0004	.0003
#2	.0317	.0034	.0008	.0003	3.195	-.0001	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58749.**	**11412.**	**1952.3**	**3993.7**
Stddev	131.	10.	4.5	6.7
%RSD	.22336	.09168	.22926	.16796
#1	58656.	11419.	1955.5	3998.5
#2	58841.	11404.	1949.2	3989.0

Zoom In Zoom Out

Sample Name: jb69633-1 Acquired: 6/24/2014 3:04:59 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0490**	**-.0001**	**.0027**	**.0003**	**.0010**	**.0022**	**.3827**	**.0019**	**.0026**
Stddev	.0000	.0001	.0002	.0002	.0001	.0005	.0004	.0004	.0006
%RSD	.0408	56.86	6.336	98.56	7.715	21.51	.0956	19.55	22.27
#1	.0490	-.0001	.0026	.0001	.0009	.0019	.3829	.0022	.0031
#2	.0490	-.0002	.0029	.0004	.0010	.0026	.3824	.0017	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0361**	**.0017**	**-.0003**	**.0063**	**.0010**	**-.0010**	**.1551**	**61.25**
Stddev	.0002	.0005	.0017	.0021	.0012	.0017	.0013	.0039	.17
%RSD	21.68	1.249	95.72	699.0	19.42	167.4	139.0	2.489	.2706
#1	.0009	.0364	.0029	-.0017	.0071	-.0002	-.0019	.1579	61.37
#2	.0013	.0358	.0006	.0012	.0054	.0022	-.0000	.1524	61.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.73**	**14.02**	**5.129**	**112.1**	**.0661**	**.0000**	**.0099**	**9.468**	**-.0014**
Stddev	.07	.07	.018	2.0	.0004	.0002	.0000	.050	.0002
%RSD	.5533	.4686	.3532	1.790	.6515	460.3	.1248	.5267	10.63
#1	12.78	14.07	5.141	110.7	.0664	-.0001	.0099	9.504	-.0013
#2	12.68	13.98	5.116	113.6	.0658	.0002	.0099	9.433	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2528**	**.0061**	**.0050**	**.0002**	**3.401**	**-.0021**	**.0073**
Stddev	.0002	.0004	.0005	.0001	.006	.0001	.0004
%RSD	.0957	5.854	9.150	38.03	.1758	4.307	5.815
#1	.2530	.0059	.0053	.0002	3.406	-.0020	.0076
#2	.2527	.0064	.0047	.0003	3.397	-.0022	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56537.**	**11249.**	**1869.6**	**3704.5**
Stddev	71.	27.	8.6	14.8
%RSD	.12621	.24128	.45936	.39942
#1	56487.	11230.	1863.6	3694.0
#2	56588.	11269.	1875.7	3714.9

Zoom In Zoom Out

Sample Name: jb69633-2 Acquired: 6/24/2014 3:11:10 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0393**	**-.0002**	**.0002**	**.0005**	**.0010**	**.0015**	**1.135**	**.0019**	**.0036**
Stddev	.0000	.0000	.0001	.0001	.0002	.0002	.025	.0000	.0007
%RSD	.0492	1.005	41.56	29.05	23.27	15.51	2.187	.8607	18.35
#1	.0393	-.0002	.0003	.0006	.0009	.0017	1.152	.0019	.0032
#2	.0393	-.0002	.0002	.0004	.0012	.0014	1.117	.0019	.0041

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**.0032**	**.0033**	**-.0011**	**.0203**	**.0034**	**-.0003**	**.1442**	**44.75**
Stddev	.0002	.0001	.0006	.0002	.0014	.0006	.0002	.0051	.07
%RSD	12.81	3.781	19.22	17.63	6.791	17.45	44.43	3.570	.1517
#1	.0016	.0031	.0029	-.0009	.0193	.0030	-.0004	.1479	44.80
#2	.0013	.0033	.0038	-.0012	.0213	.0038	-.0002	.1406	44.70

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.06**	**10.49**	**5.438**	**93.03**	**.0736**	**.0000**	**.0121**	**11.97**	**-.0028**
Stddev	.01	.06	.016	.04	.0004	.0002	.0011	.07	.0003
%RSD	.0369	.5608	.2864	.0453	.5015	518.2	9.161	.5534	11.50
#1	16.06	10.53	5.427	93.06	.0734	-.0001	.0113	11.92	-.0030
#2	16.06	10.45	5.449	93.00	.0739	.0002	.0128	12.02	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1809**	**.0047**	**.0068**	**.0003**	**3.563**	**-.0012**	**.0076**
Stddev	.0002	.0006	.0004	.0001	.014	.0009	.0008
%RSD	.1167	13.14	5.505	31.93	.3783	72.33	10.22
#1	.1807	.0051	.0071	.0002	3.553	-.0006	.0081
#2	.1810	.0042	.0065	.0004	3.572	-.0018	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57552.**	**11360.**	**1894.1**	**3775.6**
Stddev	983.	63.	8.6	15.3
%RSD	1.7087	.55178	.45180	.40597
#1	56856.	11315.	1900.1	3786.4
#2	58247.	11404.	1888.0	3764.7

Zoom In Zoom Out

Sample Name: jb69745-1 Acquired: 6/24/2014 3:17:16 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1401**	**-.0001**	**.0004**	**.0014**	**.0042**	**.0041**	**.9688**	**.0045**	**.0047**
Stddev	.0018	.0000	.0002	.0000	.0002	.0001	.0020	.0002	.0000
%RSD	1.277	23.46	50.58	1.203	3.596	2.963	.2063	3.792	.6704
#1	.1388	-.0001	.0006	.0014	.0041	.0042	.9702	.0044	.0047
#2	.1413	-.0001	.0003	.0014	.0043	.0041	.9674	.0046	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**1.136**	**.0046**	**.0052**	**.0026**	**.0046**	**-.0003**	**.0548**	**162.1**
Stddev	.0004	.004	.0004	.0007	.0001	.0029	.0007	.0035	1.0
%RSD	43.44	.3977	9.745	13.48	2.802	63.03	222.0	6.449	.6425
#1	.0007	1.132	.0049	.0057	.0027	.0026	.0002	.0523	161.4
#2	.0013	1.139	.0043	.0047	.0026	.0067	-.0008	.0573	162.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2720**	**134.3**	**60.02**	**1061.**	**1.264**	**.0066**	**.0074**	**8.693**	**-.0005**
Stddev	.0035	.6	.51	2.	.004	.0003	.0002	.009	.0012
%RSD	1.270	.4650	.8441	.1778	.2809	3.972	2.590	.1050	261.9
#1	.2696	133.8	59.66	1059.	1.261	.0064	.0075	8.686	-.0013
#2	.2745	134.7	60.38	1062.	1.266	.0068	.0073	8.699	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.784**	**.0002**	**.0081**	**-.0001**	**77.63**	**-.0025**	**.0468**
Stddev	.021	.0003	.0012	.0000	.08	.0012	.0000
%RSD	1.187	136.5	14.88	22.08	.1014	47.31	.0974
#1	1.769	.0000	.0090	-.0002	77.57	-.0033	.0468
#2	1.799	.0004	.0073	-.0001	77.68	-.0016	.0468

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**48340.**	**10777.**	**1603.9**	**2983.4**
Stddev	20.	34.	1.0	3.9
%RSD	.04173	.31924	.06385	.12906
#1	48325.	10802.	1604.6	2986.2
#2	48354.	10753.	1603.1	2980.7

Zoom In Zoom Out

Sample Name: jb69745-2 Acquired: 6/24/2014 3:23:28 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1162**	**-.0001**	**.0010**	**.0011**	**.0128**	**.0785**	**.2706**	**.0740**	**.0037**
Stddev	.0001	.0000	.0004	.0003	.0002	.0000	.0002	.0001	.0003
%RSD	.0996	54.97	36.04	25.95	1.293	.0504	.0677	.1587	6.721
#1	.1162	-.0001	.0007	.0009	.0129	.0785	.2708	.0739	.0036
#2	.1161	-.0000	.0012	.0013	.0127	.0784	.2705	.0741	.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.6548**	**.0043**	**.0036**	**.0145**	**.0062**	**-.0007**	**.0644**	**149.5**
Stddev	.0001	.0017	.0029	.0013	.0010	.0011	.0008	.0031	.3
%RSD	8.844	.2521	67.68	34.50	6.607	17.44	116.9	4.790	.1981
#1	.0012	.6536	.0022	.0045	.0138	.0054	-.0001	.0622	149.3
#2	.0011	.6559	.0064	.0027	.0151	.0069	-.0012	.0666	149.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0409**	**91.83**	**46.18**	**867.1**	**1.089**	**.0050**	**.0069**	**7.816**	**.0014**
Stddev	.0025	.15	.04	2.3	.002	.0004	.0009	.018	.0008
%RSD	5.992	.1650	.0805	.2659	.2120	7.141	13.17	.2239	59.25
#1	.0392	91.72	46.21	868.7	1.087	.0047	.0062	7.804	.0008
#2	.0426	91.94	46.15	865.5	1.091	.0052	.0075	7.829	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.441**	**.0012**	**.0036**	**-.0013**	**67.52**	**-.0022**	**.0325**
Stddev	.002	.0003	.0010	.0001	.14	.0003	.0006
%RSD	.1462	26.98	28.66	11.03	.2100	15.28	1.985
#1	1.443	.0010	.0044	-.0012	67.42	-.0024	.0321
#2	1.440	.0015	.0029	-.0014	67.62	-.0019	.0330

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50239.**	**10867.**	**1656.6**	**3103.1**
Stddev	65.	7.	5.0	6.6
%RSD	.12937	.06501	.30379	.21354
#1	50193.	10862.	1660.1	3107.8
#2	50285.	10872.	1653.0	3098.4

Zoom In Zoom Out

Sample Name: jb69745-3 Acquired: 6/24/2014 3:29:37 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1268**	**-.0002**	**.0005**	**.0010**	**.0010**	**.0006**	**.0012**	**.0020**	**.0026**
Stddev	.0025	.0001	.0002	.0002	.0003	.0004	.0001	.0002	.0004
%RSD	1.934	70.39	41.89	21.68	26.07	64.33	6.293	10.21	13.61
#1	.1251	-.0003	.0006	.0008	.0008	.0009	.0012	.0019	.0029
#2	.1286	-.0001	.0003	.0011	.0012	.0003	.0013	.0021	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0078**	**.0037**	**.0035**	**.0021**	**.0046**	**-.0003**	**.0603**	**161.1**
Stddev	.0003	.0001	.0003	.0013	.0011	.0018	.0021	.0066	1.8
%RSD	73.99	.6974	7.625	36.39	54.09	38.85	734.2	10.95	1.139
#1	-.0007	.0078	.0040	.0044	.0029	.0058	-.0018	.0557	159.8
#2	-.0002	.0079	.0035	.0026	.0013	.0033	.0012	.0650	162.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0023**	**96.70**	**51.47**	**922.6**	**1.196**	**.0057**	**.0076**	**8.488**	**.0004**
Stddev	.0002	1.08	.71	9.5	.003	.0001	.0006	.010	.0003
%RSD	6.889	1.121	1.386	1.034	.2499	2.129	7.863	.1226	58.18
#1	.0025	95.93	50.96	915.9	1.194	.0058	.0081	8.481	.0006
#2	.0022	97.46	51.97	929.4	1.198	.0056	.0072	8.495	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.592**	**.0005**	**.0032**	**-.0015**	**74.95**	**-.0021**	**.0340**
Stddev	.022	.0005	.0004	.0002	.05	.0000	.0006
%RSD	1.366	87.20	13.09	14.06	.0668	.1814	1.745
#1	1.576	.0009	.0029	-.0014	74.91	-.0021	.0336
#2	1.607	.0002	.0035	-.0017	74.98	-.0021	.0344

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49845.**	**10626.**	**1626.4**	**3040.4**
Stddev	157.	93.	5.3	6.7
%RSD	.31459	.87904	.32314	.22161
#1	49956.	10692.	1630.1	3045.2
#2	49734.	10560.	1622.7	3035.6

Zoom In Zoom Out

Sample Name: jb69745-4 Acquired: 6/24/2014 3:35:48 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1148**	**-.0001**	**.0004**	**.0008**	**.0024**	**.0017**	**.0007**	**.0024**	**.0024**
Stddev	.0031	.0001	.0003	.0001	.0004	.0005	.0000	.0004	.0003
%RSD	2.666	43.54	60.27	13.04	17.46	29.55	6.950	17.53	12.59
#1	.1170	-.0001	.0003	.0008	.0027	.0013	.0007	.0027	.0026
#2	.1127	-.0002	.0006	.0007	.0021	.0020	.0006	.0021	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0089**	**.0032**	**.0037**	**.0013**	**.0025**	**-.0002**	**.0481**	**149.4**
Stddev	.0007	.0002	.0004	.0006	.0008	.0019	.0007	.0122	4.0
%RSD	603.2	2.473	14.00	17.24	65.88	75.86	366.6	25.35	2.659
#1	-.0004	.0088	.0035	.0042	.0018	.0039	.0003	.0395	152.2
#2	.0006	.0091	.0029	.0033	.0007	.0012	-.0007	.0568	146.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0120**	**91.59**	**46.74**	**867.0**	**1.131**	**.0057**	**.0048**	**8.309**	**-.0012**
Stddev	.0009	2.39	1.08	35.1	.002	.0002	.0020	.018	.0005
%RSD	7.157	2.610	2.301	4.046	.1933	3.167	40.56	.2130	39.41
#1	.0126	93.28	47.50	891.8	1.130	.0059	.0062	8.297	-.0016
#2	.0113	89.90	45.98	842.2	1.133	.0056	.0034	8.322	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.474**	**.0002**	**.0021**	**-.0011**	**73.34**	**-.0024**	**.0301**
Stddev	.042	.0006	.0001	.0001	.04	.0003	.0007
%RSD	2.831	318.9	5.400	6.125	.0579	11.74	2.245
#1	1.504	-.0002	.0020	-.0011	73.31	-.0022	.0306
#2	1.445	.0006	.0022	-.0010	73.37	-.0026	.0296

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49428.**	**11191.**	**1637.6**	**3060.4**
Stddev	760.	200.	1.5	4.0
%RSD	1.5385	1.7881	.09242	.13084
#1	49965.	11050.	1638.7	3063.2
#2	48890.	11333.	1636.5	3057.6

Zoom In Zoom Out

Sample Name: jb69533-1a Acquired: 6/24/2014 3:42:00 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0264**	**-.0002**	**.0004**	**.0030**	**.0047**	**.0335**	**.0003**	**.0410**	**.0023**
Stddev	.0000	.0000	.0002	.0001	.0001	.0000	.0001	.0002	.0005
%RSD	.0009	13.67	42.05	2.972	2.181	.1191	23.58	.3938	24.06
#1	.0264	-.0002	.0005	.0029	.0047	.0335	.0004	.0411	.0019
#2	.0264	-.0002	.0003	.0030	.0048	.0336	.0003	.0409	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0591**	**.0019**	**.0117**	**.0068**	**.0012**	**.0162**	**.0006**	**.8900**	**115.3**
Stddev	.0008	.0001	.0006	.0001	.0015	.0014	.0002	.0071	.0
%RSD	1.420	3.698	5.504	1.286	129.1	8.715	42.86	.7932	.0359
#1	.0585	.0020	.0112	.0068	.0023	.0172	.0004	.8950	115.3
#2	.0597	.0019	.0121	.0067	.0001	.0152	.0007	.8850	115.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0555**	**.0316**	**80.97**	**256.1**	**.0361**	**.2224**	**.0086**	**9.265**	**-.0011**
Stddev	.0002	.0031	.06	1.2	.0004	.0003	.0013	.007	.0010
%RSD	.4391	9.670	.0799	.4491	1.122	.1274	15.14	.0783	86.60
#1	.0556	.0337	81.02	255.3	.0358	.2222	.0096	9.271	-.0004
#2	.0553	.0294	80.93	256.9	.0363	.2226	.0077	9.260	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9689**	**.0003**	**.0133**	**-.0005**	**85.11**	**-.0007**	**.0024**
Stddev	.0011	.0007	.0006	.0002	.00	.0004	.0001
%RSD	.1092	269.9	4.330	43.71	.0013	52.17	3.656
#1	.9682	-.0002	.0137	-.0007	85.11	-.0010	.0025
#2	.9697	.0008	.0129	-.0003	85.11	-.0005	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54354.**	**11159.**	**1792.4**	**3469.4**
Stddev	56.	26.	2.0	2.6
%RSD	.10214	.22898	.10892	.07633
#1	54315.	11141.	1793.8	3467.5
#2	54393.	11177.	1791.0	3471.3

Zoom In Zoom Out

Sample Name: jb69533-2a Acquired: 6/24/2014 3:48:12 Type: Unk
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0002**	**.0002**	**-.0002**	**.0002**	**.0011**	**-.0000**	**-.0001**	**-.0001**
Stddev	.0001	.0001	.0000	.0000	.0003	.0000	.0000	.0003	.0001
%RSD	152.7	35.76	20.06	23.05	129.5	1.073	163.7	489.8	107.2
#1	-.0002	-.0001	.0002	-.0002	.0005	.0011	-.0000	.0001	-.0002
#2	.0000	-.0002	.0001	-.0002	.0000	.0012	.0000	-.0003	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0009**	**-.0015**	**-.0004**	**-.0008**	**.0015**	**-.0003**	**-.0081**	**.0119**
Stddev	.0002	.0002	.0007	.0001	.0001	.0016	.0012	.0026	.0030
%RSD	198.6	18.55	42.71	33.96	6.540	102.0	424.3	32.22	25.45
#1	-.0000	.0011	-.0020	-.0005	-.0008	.0027	-.0012	-.0063	.0097
#2	.0003	.0008	-.0011	-.0003	-.0009	.0004	.0006	-.0100	.0140

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**-.0135**	**.0914**	**.2142**	**-.0003**	**-.0003**	**.0011**	**.0062**	**.0009**
Stddev	.0013	.0132	.0025	.0020	.0002	.0002	.0018	.0008	.0005
%RSD	1162.	97.47	2.775	.9472	60.99	70.98	157.2	12.40	56.71
#1	-.0008	-.0228	.0896	.2127	-.0004	-.0001	-.0001	.0057	.0012
#2	.0010	-.0042	.0932	.2156	-.0002	-.0004	.0024	.0068	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0093**	**-.0003**	**.0254**	**-.0007**	**-.0013**
Stddev	.0000	.0000	.0003	.0002	.0049	.0010	.0008
%RSD	9.823	114.7	2.891	77.22	19.32	140.8	58.94
#1	-.0001	.0000	-.0091	-.0001	.0219	-.0000	-.0019
#2	-.0001	.0001	-.0094	-.0004	.0288	-.0014	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60737.**	**11662.**	**2018.7**	**4234.5**
Stddev	6.	91.	12.8	23.5
%RSD	.00960	.78443	.63582	.55490
#1	60741.	11727.	2009.7	4217.8
#2	60733.	11598.	2027.8	4251.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 3:54:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.018**	**2.129**	**2.125**	**2.186**	**2.060**	**2.164**	**2.118**	**.2615**
Stddev	.050	.049	.002	.001	.013	.019	.014	.001	.0011
%RSD	2.422	2.407	.1034	.0678	.6076	.9196	.6338	.0320	.4126
#1	2.025	1.984	2.128	2.126	2.195	2.073	2.173	2.119	.2623
#2	2.095	2.053	2.131	2.124	2.176	2.046	2.154	2.118	.2607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.134**	F **2.201**	**2.081**	F **2.212**	**2.117**	**2.083**	**2.092**	**40.57**	**40.61**
Stddev	.014	.004	.001	.002	.001	.005	.000	1.05	1.06
%RSD	.6662	.1672	.0665	.1081	.0494	.2296	.0114	2.588	2.604
#1	2.144	2.204	2.080	2.210	2.117	2.080	2.092	39.83	39.86
#2	2.123	2.198	2.082	2.214	2.116	2.087	2.092	41.31	41.36
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2.000		2.000					
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	**41.11**	**40.30**	**41.04**	**41.05**	**2.154**	**2.192**	**2.102**	**5.237**	**2.171**
Stddev	1.03	1.09	.93	.97	.004	.001	.025	.010	.002
%RSD	2.510	2.693	2.265	2.369	.1758	.0324	1.203	.1926	.0682
#1	40.38	39.53	40.38	40.36	2.152	2.192	2.120	5.230	2.172
#2	41.83	41.06	41.70	41.73	2.157	2.193	2.084	5.244	2.170
Check ?	Chk Pass	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: 6/24/2014 3:54:23 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.086**	**2.176**	**2.091**	**2.035**	**2.131**	**2.087**	**2.043**
Stddev	.051	.018	.022	.015	.001	.001	.050
%RSD	2.423	.8074	1.035	.7313	.0325	.0318	2.446
#1	2.051	2.188	2.076	2.046	2.130	2.087	2.008
#2	2.122	2.163	2.106	2.025	2.131	2.088	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	**56575.**	**11227.**	**1916.4**	**3757.4**
Stddev	306.	256.	2.5	4.2
%RSD	.54093	2.2823	.13193	.11124
#1	56359.	11409.	1918.2	3760.3
#2	56792.	11046.	1914.7	3754.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 4:00:19 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0006**	**.0003**	**.0005**	**.0015**	**.0005**	**.0005**	**.0008**
Stddev	.0000	.0000	.0003	.0003	.0002	.0001	.0001	.0001	.0002
%RSD	10.76	5.444	41.52	115.0	30.17	3.840	13.34	15.05	28.13
#1	.0004	.0003	.0008	.0005	.0006	.0015	.0005	.0006	.0010
#2	.0004	.0003	.0005	.0001	.0004	.0016	.0006	.0005	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0006**	**-.0006**	**.0015**	**-.0005**	**-.0009**	**-.0001**	**.0019**	**.0098**
Stddev	.0008	.0000	.0009	.0014	.0003	.0004	.0003	.0064	.0044
%RSD	78.42	7.242	151.8	88.50	54.70	40.67	629.9	339.3	44.39
#1	.0004	.0006	.0000	.0006	-.0003	-.0012	.0002	.0064	.0129
#2	.0015	.0007	-.0013	.0025	-.0007	-.0007	-.0003	-.0026	.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082**	**.0215**	**.0271**	**.1222**	**.0003**	**.0011**	**.0012**	**.0016**	**.0006**
Stddev	.0035	.0172	.0039	.0039	.0002	.0000	.0005	.0008	.0008
%RSD	42.75	80.32	14.55	3.215	86.70	.6581	41.83	52.90	138.7
#1	.0107	.0337	.0299	.1250	.0001	.0011	.0009	.0022	.0000
#2	.0057	.0093	.0243	.1194	.0004	.0011	.0016	.0010	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 4:00:19 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0130**	**.0010**	**.0082**	**.0002**	**.0002**
Stddev	.0000	.0005	.0023	.0002	.0009	.0003	.0000
%RSD	10.14	176.9	18.01	18.38	10.42	158.2	7.312
#1	.0004	-.0001	.0146	.0011	.0076	.0005	.0002
#2	.0004	.0007	.0113	.0009	.0088	-.0000	.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	**60986.**	**11332.**	**2034.2**	**4242.1**
Stddev	312.	23.	2.7	4.8
%RSD	.51204	.20514	.13057	.11254
#1	61207.	11316.	2032.3	4238.7
#2	60766.	11349.	2036.1	4245.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/24/2014 4:06:30 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2010**	**.0018**	**.0038**	**.0543**	**.0111**	**.0112**	**.0163**	**.0111**	**.0056**
Stddev	.0026	.0000	.0001	.0014	.0003	.0002	.0001	.0007	.0004
%RSD	1.297	1.506	3.915	2.618	2.734	1.847	.6705	5.900	7.538
#1	.2028	.0019	.0039	.0553	.0113	.0113	.0164	.0116	.0053
#2	.1991	.0018	.0037	.0533	.0109	.0110	.0162	.0106	.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	**.0564**	**.0254**	**.0089**	**.0129**	**.0035**	**.0126**	**.0064**	**.1997**	**4.945**
Stddev	.0002	.0007	.0004	.0013	.0009	.0007	.0000	.0037	.090
%RSD	.2768	2.892	4.074	10.37	26.04	5.704	.2286	1.853	1.816
#1	.0565	.0259	.0092	.0120	.0042	.0131	.0064	.2023	5.008
#2	.0563	.0249	.0087	.0139	.0029	.0121	.0063	.1971	4.881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1042**	**4.999**	**4.870**	**5.033**	**.1103**	**.0230**	**.0575**	**.2147**	**.0110**
Stddev	.0024	.093	.092	.080	.0021	.0007	.0001	.0077	.0000
%RSD	2.304	1.868	1.884	1.581	1.913	3.240	.2558	3.574	.4526
#1	.1059	5.065	4.935	5.089	.1118	.0235	.0574	.2202	.0110
#2	.1025	4.933	4.806	4.977	.1088	.0224	.0576	.2093	.0109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/24/2014 4:06:30 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104**	**.0109**	**.0638**	**.0104**	**.0588**	**.0225**	**.0198**
Stddev	.0001	.0002	.0034	.0001	.0030	.0000	.0007
%RSD	.7564	2.100	5.266	1.370	5.175	.1253	3.434
#1	.0105	.0107	.0662	.0103	.0609	.0225	.0202
#2	.0104	.0111	.0614	.0105	.0566	.0225	.0193
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	**60264.**	**11793.**	**1984.8**	**4082.6**
Stddev	315.	137.	45.6	87.9
%RSD	.52275	1.1646	2.2959	2.1532
#1	60041.	11696.	1952.6	4020.5
#2	60487.	11891.	2017.1	4144.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/24/2014 4:12:40 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0009**	**.0012**	**.0032**	**.0019**	F **.0027**	**.0032**	**.0044**
Stddev	.0001	.0000	.0002	.0002	.0002	.0001	.0001	.0000
%RSD	1.612	2.641	14.25	6.784	8.161	4.725	1.914	.7616
#1	.0039	.0010	.0014	.0030	.0021	.0028	.0032	.0044
#2	.0038	.0009	.0011	.0033	.0018	.0026	.0031	.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	F **.0016**	**.0023**	**.0123**	**.0025**	**.0020**	**.0020**	F **.0076**	**.0032**
Stddev	.0000	.0001	.0001	.0008	.0005	.0006	.0019	.0004
%RSD	.0801	3.486	.8174	30.54	23.01	29.57	25.00	12.52
#1	.0016	.0024	.0124	.0019	.0023	.0024	.0089	.0029
#2	.0015	.0023	.0122	.0030	.0017	.0016	.0062	.0035
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0010						.0050	
Range	30.00%						30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0992**	**1.034**	**-.0013**	**.1265**	**2.048**	**1.090**	**.0100**	**-.0001**
Stddev	.0017	.006	.0003	.0264	.013	.001	.0002	.0000
%RSD	1.753	.5973	26.75	20.83	.6266	.0480	2.474	1.582
#1	.1005	1.038	-.0010	.1079	2.039	1.091	.0102	-.0001
#2	.0980	1.030	-.0015	.1451	2.057	1.090	.0099	-.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: 6/24/2014 4:12:40 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0009**	**.0004**	**-.0002**	**-.0004**	F **-.0019**	F **-.0002**	**.0052**
Stddev	.0003	.0001	.0007	.0000	.0001	.0002	.0002	.0002
%RSD	42.91	14.68	188.1	19.10	20.35	9.448	87.61	4.649
#1	-.0004	-.0010	-.0001	-.0002	-.0005	-.0020	-.0001	.0050
#2	-.0008	-.0008	.0008	-.0002	-.0003	-.0018	-.0003	.0053
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 **-.0006**
Stddev	.0002	.0005
%RSD	28.67	81.55
#1	-.0006	-.0003
#2	-.0009	-.0009
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60605.**	**11466.**	**2035.3**	**4222.5**
Stddev	129.	83.	3.0	6.7
%RSD	.21359	.72690	.14739	.15751
#1	60513.	11407.	2033.2	4217.8
#2	60696.	11525.	2037.4	4227.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/24/2014 4:18:51 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**.0000**	**.0001**	**-.0001**	**.0010**	**-.0000**	**.0003**	**.0001**
Stddev	.0000	.0000	.0001	.0001	.0001	.0003	.0001	.0002	.0001
%RSD	19.76	16.32	354.8	48.56	71.27	25.60	219.9	54.23	128.9
#1	-.0001	-.0001	.0001	.0002	-.0002	.0008	-.0001	.0005	.0001
#2	-.0002	-.0001	-.0000	.0001	-.0001	.0012	.0000	.0002	.0000
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0011**	**.0193**	**.0002**	**.0208**	**.0230**	**.0215**	**.5128**	**.0044**
Stddev	.0001	.0001	.0005	.0005	.0001	.0011	.0013	.0049	.0031
%RSD	35.15	5.965	2.810	218.9	.2885	4.721	5.920	.9625	70.83
#1	.0005	.0011	.0197	-.0001	.0208	.0223	.0224	.5163	.0022
#2	.0003	.0011	.0189	.0006	.0209	.0238	.0206	.5094	.0066
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	**.5361**	**.0043**	**-.0034**	**.0560**	**-.0009**	**-.0002**	**.0005**	**-.0006**	**.0006**
Stddev	.0067	.0026	.0077	.0007	.0006	.0000	.0011	.0004	.0002
%RSD	1.256	58.97	226.3	1.321	67.92	6.203	213.4	64.26	34.82
#1	.5409	.0062	.0020	.0566	-.0004	-.0002	-.0003	-.0003	.0008
#2	.5314	.0025	-.0088	.0555	-.0013	-.0002	.0013	-.0009	.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/24/2014 4:18:51 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: II

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0004**	**-.0044**	**-.0001**	**.0069**	**-.0007**	**-.0006**
Stddev	.0000	.0003	.0001	.0000	.0015	.0009	.0000
%RSD	25.03	90.63	1.830	.3329	22.15	140.9	8.492
#1	-.0001	-.0001	-.0045	-.0001	.0080	-.0013	-.0006
#2	-.0002	-.0006	-.0043	-.0001	.0058	-.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	**61130.**	**11627.**	**2039.0**	**4241.1**
Stddev	26.	81.	7.1	12.2
%RSD	.04261	.69342	.34722	.28838
#1	61148.	11570.	2044.0	4249.7
#2	61111.	11684.	2034.0	4232.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 4:25:03 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.002**	**2.123**	**2.126**	**2.162**	**2.046**	**2.134**	**2.118**	**.2593**
Stddev	.006	.000	.002	.000	.004	.006	.006	.001	.0001
%RSD	.2864	.0174	.0885	.0205	.1639	.2764	.2967	.0240	.0542
#1	2.052	2.002	2.122	2.126	2.164	2.042	2.138	2.118	.2592
#2	2.044	2.002	2.125	2.125	2.159	2.050	2.129	2.117	.2594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.119**	F **2.201**	**2.079**	F **2.210**	**2.117**	**2.085**	**2.088**	**40.10**	**40.20**
Stddev	.001	.002	.001	.001	.003	.007	.000	.05	.14
%RSD	.0270	.0874	.0442	.0330	.1168	.3557	.0176	.1257	.3408
#1	2.119	2.203	2.079	2.211	2.115	2.090	2.087	40.14	40.30
#2	2.120	2.200	2.080	2.210	2.119	2.080	2.088	40.06	40.11
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2.000		2.000					
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	**40.65**	**39.77**	**40.67**	**40.92**	**2.149**	**2.193**	**2.082**	**5.229**	**2.173**
Stddev	.04	.17	.07	.09	.004	.001	.002	.005	.001
%RSD	.0962	.4165	.1605	.2200	.1985	.0440	.0887	.0986	.0624
#1	40.68	39.89	40.72	40.98	2.146	2.193	2.081	5.225	2.172
#2	40.63	39.65	40.62	40.86	2.152	2.194	2.083	5.233	2.174
Check ?	Chk Pass	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: 6/24/2014 4:25:03 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.077**	**2.154**	**2.112**	**2.017**	**2.121**	**2.087**	**2.021**
Stddev	.003	.000	.020	.001	.004	.001	.001
%RSD	.1538	.0085	.9385	.0243	.1723	.0525	.0472
#1	2.080	2.155	2.098	2.016	2.119	2.088	2.021
#2	2.075	2.154	2.126	2.017	2.124	2.087	2.020
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	**57018.**	**11306.**	**1918.5**	**3758.2**
Stddev	99.	60.	1.2	.8
%RSD	.17295	.52937	.06423	.02026
#1	57088.	11264.	1919.4	3758.7
#2	56949.	11349.	1917.6	3757.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 4:30:58 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0005**	**.0005**	**.0006**	**.0006**	**.0012**	**.0006**	**.0008**
Stddev	.0001	.0000	.0002	.0001	.0003	.0001	.0001	.0000
%RSD	17.25	7.058	42.25	15.81	56.96	5.901	12.38	.4893
#1	.0005	.0005	.0006	.0007	.0008	.0012	.0006	.0008
#2	.0006	.0005	.0003	.0006	.0003	.0011	.0005	.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	**.0004**	**.0010**	**.0006**	**.0007**	**.0002**	**-.0009**	**.0007**	**-.0001**
Stddev	.0005	.0002	.0003	.0005	.0012	.0002	.0031	.0002
%RSD	133.8	20.49	49.36	81.61	606.4	16.88	449.9	195.3
#1	.0008	.0011	.0008	.0003	-.0007	-.0008	.0029	.0000
#2	.0000	.0008	.0004	.0010	.0011	-.0010	-.0015	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0081**	**.0130**	W **.0104**	**.0253**	**.0003**	**.0543**	**.0008**	**.0012**
Stddev	.0009	.0004	.0000	.0047	.0017	.0029	.0003	.0002
%RSD	11.28	2.799	.1094	18.60	515.5	5.369	36.10	21.01
#1	.0088	.0133	.0104	.0219	.0016	.0522	.0009	.0013
#2	.0075	.0128	.0103	.0286	-.0009	.0563	.0006	.0010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 4:30:58 Type: QC
Method: Accutest1(v289) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 308/309 (2)

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0009**	**.0004**	**.0006**	**.0006**	W **.0168**	W **.0012**	**.0086**
Stddev	.0002	.0004	.0001	.0001	.0002	.0014	.0001	.0013
%RSD	27.62	40.24	30.83	10.99	33.27	8.455	8.858	15.02
#1	-.0009	.0012	.0003	.0005	.0007	.0178	.0012	.0077
#2	-.0006	.0007	.0005	.0006	.0004	.0158	.0013	.0095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0012**	**-.0006**
Stddev	.0007	.0000
%RSD	55.88	8.267
#1	.0007	-.0006
#2	.0016	-.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60528.**	**11572.**	**2033.5**	**4241.9**
Stddev	198.	81.	4.1	5.7
%RSD	.32652	.69791	.20176	.13544
#1	60668.	11515.	2030.6	4237.8
#2	60388.	11629.	2036.4	4245.9

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.002000	0.000000	No
Be 313.042 {108}	☒	12	V	0.001600	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000800	0.000000	No
			Mn	0.000022	0.000000	No
			Ba	-0.000000	0.000000	No
			Co	-0.000004	0.000000	No
			Ni	-0.000050	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.000008	0.000000	No
Cd 228.802 {448}	☒	14	As	0.010000	0.000000	No
			Ni	0.000116	0.000000	No
			Fe	0.000010	0.000000	No
			V	0.000161	0.000000	No
			Ba	0.000046	0.000000	No
			Co	-0.004524	0.000000	No
			Sr	-0.000006	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000013	0.000000	No
			Cr	-0.000010	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000276	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	-0.000200	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001100	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001659	0.000000	No
			Ba	-0.000009	0.000000	No
			W	0.000160	0.000000	No
			Cd	0.000012	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	-0.000130	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.000000	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	0.000000	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	0.000013	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	20	Cr	0.000040	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000456	0.000000	No
			Ti	-0.000121	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	-0.000095	0.000000	No
			Al	0.000003	0.000000	No
			Sn	-0.000497	0.000000	No
			Zn	-0.000004	0.000000	No
			Co	-0.000858	0.000000	No
			Zr	-0.000330	0.000000	No
			Si	0.000080	0.000000	No
			Mn	-0.000080	0.000000	No
			Se	0.000050	0.000000	No
			Ba	0.000008	0.000000	No
			Ag	-0.000077	0.000000	No
			Pb	0.000002	0.000000	No
			Sb	0.000370	0.000000	No
			Mg	0.000006	0.000000	No
			Ca	0.000007	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	☒	9	Fe	-0.000134	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000005	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
			Cr	-0.000110	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000028	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	-0.000278	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000004	0.000000	No
			Mo	-0.000030	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000100	0.000000	No
			Se	0.000286	0.000000	No
			Al	-0.000003	0.000000	No
			Cr	0.000006	0.000000	No
			Si	-0.000030	0.000000	No
			Sn	0.000079	0.000000	No
			Ba	0.000000	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.000000	0.000000	No
Ag 328.068 {103}	☒	15	Mn	0.000100	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	-0.000486	0.000000	No
			Fe	-0.000605	0.000000	No
			V	0.000000	0.000000	No
			Zn	-0.001680	0.000000	No
			Ca	-0.000010	0.000000	No
			Al	-0.000003	0.000000	No
			Sr	-0.000008	0.000000	No
			Mg	-0.000002	0.000000	No
			Ba	-0.001848	0.000000	No
			Cr	-0.000057	0.000000	No
			Si	-0.000176	0.000000	No
			Zr	0.005200	0.000000	No
			W	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
			Mo	-0.011200	0.000000	No
			Fe	0.000026	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.002120	0.000000	No
			Mn	-0.000513	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000597	0.000000	No
			Mo	0.000444	0.000000	No
			Fe	0.000009	0.000000	No
			Al	0.000006	0.000000	No
			Si	-0.000035	0.000000	No
			Ba	0.000108	0.000000	No
			Na	0.000003	0.000000	No
			Ca	-0.000008	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000456	0.000000	No
			As	0.000200	0.000000	No
			Be	0.000071	0.000000	No
			Pd	0.000280	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
			Mn	0.000400	0.000000	No
As 189.042 {478}	☒	24	Al	0.000006	0.000000	No
			Fe	-0.000024	0.000000	No
			Ca	-0.000008	0.000000	No
			Mn	-0.000205	0.000000	No
			Mo	0.002030	0.000000	No
			Cr	0.001500	0.000000	No
			V	-0.000094	0.000000	No
			Co	-0.000905	0.000000	No
			Ba	0.000001	0.000000	No
			W	0.000000	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000194	0.000000	No
			Tl	-0.000370	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000004	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000100	0.000000	No
			Sr	-0.000300	0.000000	No
			Pd	0.025000	0.000000	No
			Zr	-0.001900	0.000000	No
			Ti	-0.000100	0.000000	No
			S	0.000008	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000450	0.000000	No
			Mo	-0.008120	0.000000	No
			Al	0.000006	0.000000	No
			Fe	-0.000103	0.000000	No
			V	-0.024400	0.000000	No
			Mn	0.001290	0.000000	No
			Si	0.000089	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.001790	0.000000	No
			Mg	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002336	0.000000	No
				Sr	-0.001503	0.000000	No
				B	-0.000200	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	-0.000080	0.000000	No
				As	-0.000045	0.000000	No
				Ni	0.000000	0.000000	No
				Cu	0.000097	0.000000	No
				Zr	-0.018000	0.000000	No
				Pd	0.000051	0.000000	No
				Pb	0.000035	0.000000	No
				S	0.000043	0.000000	No
				W	0.000000	0.000000	No
				Na	0.000001	0.000000	No
				K	-0.000140	0.000000	No
				Sn	0.000000	0.000000	No
	Pb 220.353 {453}	☒	24	Al	-0.000067	0.000000	No
				Fe	0.000051	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	0.000047	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002020	0.000000	No
				Cu	0.000304	0.000000	No
				V	-0.000038	0.000000	No
				Co	-0.000447	0.000000	No
				Ti	-0.000050	0.000000	No
				Si	-0.000060	0.000000	No
				Ba	-0.000012	0.000000	No
				Sb	-0.000200	0.000000	No
				Sr	-0.000043	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000166	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000435	0.000000	No
				Ni	0.000299	0.000000	No
				S	-0.000006	0.000000	No
				Se	0.000096	0.000000	No
				K	0.000000	0.000000	No
	Se 196.090 {472}	☒	24	Al	0.000001	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000265	0.000000	No
				Mo	0.000287	0.000000	No
				Fe	-0.000120	0.000000	No
				Co	0.000055	0.000000	No
				V	0.000470	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No
				Si	-0.000190	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	0.000000	0.000000	No
				Pd	0.000300	0.000000	No
				Ti	-0.000429	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	-0.020000	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	0.000200	0.000000	No
			W	0.040000	0.000000	No
			K	0.000000	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000025	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.001557	0.000000	No
			Cr	0.015200	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000200	0.000000	No
			Ti	0.000854	0.000000	No
			Sn	-0.012177	0.000000	No
			W	0.000000	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000260	0.000000	No
			Sr	0.000151	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.032500	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	-0.000017	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	0.001320	0.000000	No
			Tl	-0.002580	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	-0.000025	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.045250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.002000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027000	0.000000	No
Mo 202.030 {467}	☒	5	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000067	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.019800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000022	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.021300	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.059500	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000001	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.002660	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.003073	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No
			Si	0.000131	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	-0.000000	0.000000	No
			Ca	0.000043	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000110	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.002900	0.000000	No
			Sn	0.001300	0.000000	No
			Zr	-0.002570	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.003000	0.000000	No
			Co	0.000041	0.000000	No
			Ni	-0.000263	0.000000	No
			Be	-0.000130	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.000118	0.000000	No
			Ba	-0.000090	0.000000	No
			Tl	-0.000110	0.000000	No
Zr 339.198 { 99}	☒	7	Mo	0.000250	0.000000	No
			Ti	0.000090	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Pd	0.000200	0.000000	No
			W	0.000000	0.000000	No
S 182.034 {485}	☒	6	Ca	0.000085	0.000000	No
			Mo	0.000114	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	0.000012	0.000000	No
			Mn	0.002300	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	0.000007	0.000000	No
			Mg	0.000018	0.000000	No
			W	-0.003914	0.000000	No
			Cu	-0.000858	0.000000	No
			Fe	0.000065	0.000000	No
			Cr	0.001500	0.000000	No
			Ti	-0.006467	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Li 670.784 { 50}	☒	None				

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.003395	2.371634	0.000000	1.000000
	Be 313.042 {108}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000554	1.927343	0.000000	1.000000
	Cd 228.802 {448}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000444	0.955336	0.000000	1.000000
	Co 228.616 {448}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000002	0.502334	0.000000	1.000000
	Cr 267.716 {126}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000011	0.075445	0.000000	1.000000
	Cu 324.754 {104}2	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.002280	0.200475	0.000000	1.000000
	Mn 257.610 {131}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000050	0.415661	0.000000	1.000000
	Ni 231.604 {446}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000026	0.356508	0.000000	1.000000
	Ag 328.068 {103}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000174	0.108965	0.000000	1.000000
	V 292.402 {115}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000002	0.091844	0.000000	1.000000
	Zn 206.200 {464}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000218	0.866826	0.000000	1.000000
	As 189.042 {478}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000024	0.094596	0.000000	1.000000
	Tl 190.856 {477}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000057	0.051612	0.000000	1.000000
	Pb 220.353 {453}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000402	0.144699	0.000000	1.000000
	Se 196.090 {472}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000333	0.070780	0.000000	1.000000
	Sb 206.833 {463}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000325	0.182113	0.000000	1.000000
	Al 396.152 { 85}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000543	0.041201	0.000000	1.000000
	Ca 317.933 {106}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.005955	0.042740	0.000000	1.000000
	Fe 259.940 {130}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000135	0.037021	0.000000	1.000000
	Mg 279.079 {121}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000064	0.004657	0.000000	1.000000
	K 766.490 { 44}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.001893	0.053352	0.000000	1.000000
	Na 589.592 { 57}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.007195	0.191887	0.000000	1.000000
	B 208.959 {462}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000641	0.229588	0.000000	1.000000
	Mo 202.030 {467}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000477	0.801260	0.000000	1.000000
	Pd 340.458 { 99}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000192	0.039987	0.000000	1.000000
	Si 212.412 {459}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.004210	0.245164	0.000000	1.000000
	Sn 189.989 {478}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.000065	0.145960	0.000000	1.000000
	Sr 407.771 { 83}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000209	4.492180	0.000000	1.000000
	Ti 334.904 {101}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000109	0.109257	0.000000	1.000000
	Y 360.073 { 94}*	6/24/2014 9:16:18	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	6/24/2014 9:16:18	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	6/24/2014 9:16:18	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	6/24/2014 9:16:18	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.005252	0.340914	0.000000	1.000000
	Zr 339.198 { 99}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000016	0.247473	0.000000	1.000000
	S 182.034 {485}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	0.001445	0.047190	0.000000	1.000000
	Bi 223.061 {451}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000213	0.246095	0.000000	1.000000
	Li 670.784 { 50}	6/24/2014 9:16:18	6/23/2014 12:50:12	Linear	1/Conc	-0.000530	1.403814	0.000000	1.000000

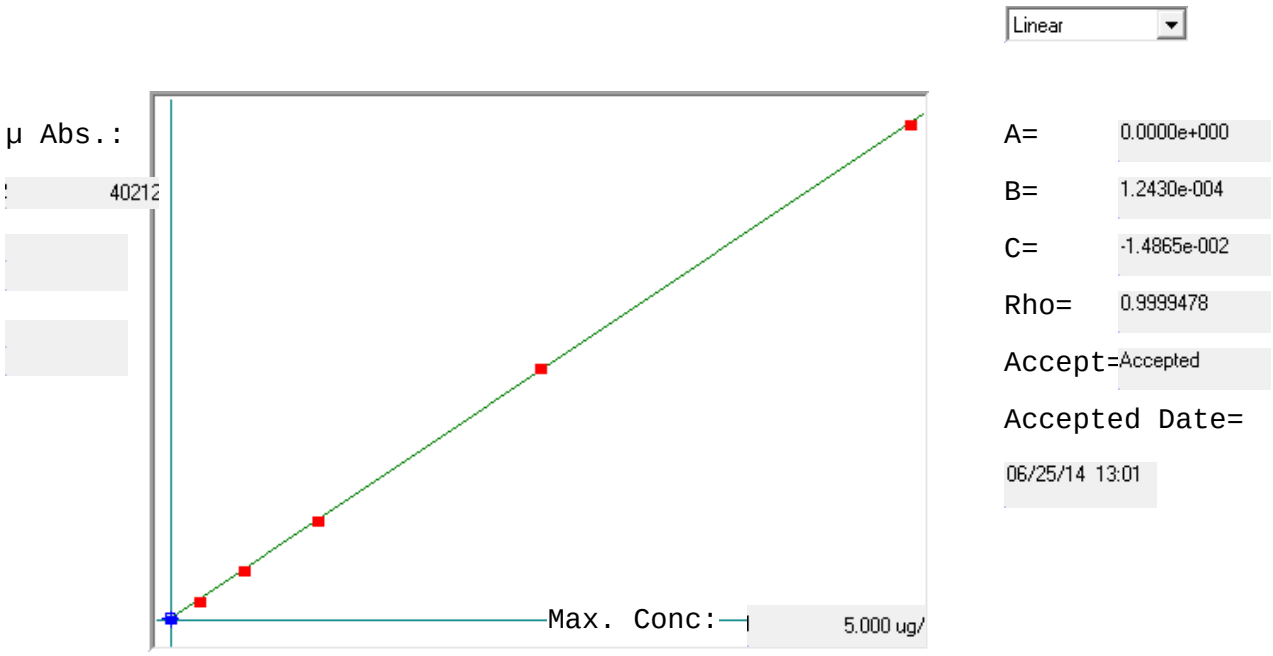
Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ba 455.403 { 74}	1.000000	0.000000	0.000211	0.000703	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000088	0.000292	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000195	0.000651	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000274	0.000914	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000510	0.001699	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000434	0.001448	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000082	0.000273	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000335	0.001115	OK.	1.000000	0.000000	1	0
Ag 328.068 {103}	1.000000	0.000000	0.000673	0.002242	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000481	0.001602	OK.	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000197	0.000655	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.001403	0.004678	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.001440	0.004800	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001195	0.003983	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002443	0.008144	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001233	0.004112	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.009793	0.032642	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.004535	0.015116	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.003051	0.010170	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.028818	0.096060	OK.	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.022132	0.073775	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.005562	0.018539	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000680	0.002268	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000243	0.000811	OK.	1.000000	0.000000	1	0
Pd 340.458 { 99}	1.000000	0.000000	0.001656	0.005518	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.000910	0.003034	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.000925	0.003085	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000082	0.000275	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000603	0.002010	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	0.001110	0.003699	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000254	0.000847	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.003101	0.010335	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001148	0.003826	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.000794	0.002647	OK.	1.000000	0.000000	1	0

MA34307

Method: ACCUTEST Operator: Admin Date of Analysis: 25 Jun 2014 12:34:08

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	25 Jun 2014 12:34:15	Std	ug/l	-	167	1.000	1.000
STDB - 1	25 Jun 2014 12:35:32	Std	ug/l	-	1561	1.000	1.000
STDC - 1	25 Jun 2014 12:36:50	Std	ug/l	-	4105	1.000	1.000
STDD - 1	25 Jun 2014 12:38:10	Std	ug/l	-	8181	1.000	1.000
STDE - 1	25 Jun 2014 12:39:32	Std	ug/l	-	21195	1.000	1.000
STDF - 1	25 Jun 2014 12:40:58	Std	ug/l	-	40212	1.000	1.000
STDE - 1	25 Jun 2014 12:45:03	Std	ug/l	-	20506	1.000	1.000
ICV - 1	25 Jun 2014 13:02:37	SMPL	ug/l	2.9798	24092	1.000	1.000
ICB - 1	25 Jun 2014 13:03:52	SMPL	ug/l	-0.0304	-125	1.000	1.000
CCV - 1	25 Jun 2014 13:05:25	CK STND	ug/l	101.1% 2.5267	20447	1.000	1.000
CCB - 1	25 Jun 2014 13:06:40	CK STND	ug/l	-0.0253	-84	1.000	1.000
CRI - 1	25 Jun 2014 13:08:11	SMPL	ug/l	0.1698	1486	1.000	1.000
MP80262-MB1 - 1	25 Jun 2014 13:13:05	SMPL	ug/l	0.0051	161	1.000	1.000
MP80262-LC1 - 1	25 Jun 2014 13:14:21	SMPL	ug/l	5.4969	22231	1.000	2.000
MP80262-S1 - 1	25 Jun 2014 13:15:37	SMPL	ug/l	2.5015	20244	1.000	1.000
MP80262-S2 - 1	25 Jun 2014 13:17:07	SMPL	ug/l	2.5041	20265	1.000	1.000
JB69534-1 - 1	25 Jun 2014 13:18:37	SMPL	ug/l	0.5595	4621	1.000	1.000
JB69492-1A - 1	25 Jun 2014 13:20:08	SMPL	ug/l	15.1954	122367	1.000	1.000
JB69498-1 - 1	25 Jun 2014 13:21:31	SMPL	ug/l	12.0209	96828	1.000	1.000
JB69534-2 - 1	25 Jun 2014 13:23:34	SMPL	ug/l	0.0659	650	1.000	1.000
JB69534-3 - 1	25 Jun 2014 13:25:25	SMPL	ug/l	0.3324	2794	1.000	1.000
CCV - 1	25 Jun 2014 13:26:46	CK STND	ug/l	103.9% 2.5977	21018	1.000	1.000
CCB - 1	25 Jun 2014 13:28:06	CK STND	ug/l	-0.0397	-200	1.000	1.000
JB69534-4 - 1	25 Jun 2014 13:29:38	SMPL	ug/l	0.1055	968	1.000	1.000
JB69534-5 - 1	25 Jun 2014 13:30:56	SMPL	ug/l	0.3430	2879	1.000	1.000
JB69534-8 - 1	25 Jun 2014 13:32:15	SMPL	ug/l	5.7326	46239	1.000	1.000
JB69534-9 - 1	25 Jun 2014 13:33:35	SMPL	ug/l	5.5651	44891	1.000	1.000
JB69534-10 - 1	25 Jun 2014 13:35:13		ug/l	HIGH	247864	1.000	1.000
JB69559-1 - 1	25 Jun 2014 13:36:33	SMPL	ug/l	1.5793	12825	1.000	1.000
JB69559-4 - 1	25 Jun 2014 13:38:36	SMPL	ug/l	-0.0599	-362	1.000	1.000
JB69559-6 - 1	25 Jun 2014 13:40:07	SMPL	ug/l	-0.0174	-20	1.000	1.000
JB69559-7 - 1	25 Jun 2014 13:41:26	SMPL	ug/l	0.0258	327	1.000	1.000
JB69559-8 - 1	25 Jun 2014 13:42:45	SMPL	ug/l	0.3004	2536	1.000	1.000
CCV - 1	25 Jun 2014 13:44:05	CK STND	ug/l	107.4% 2.6853	21723	1.000	1.000
CCB - 1	25 Jun 2014 13:45:23	CK STND	ug/l	-0.0278	-104	1.000	1.000
MP80278-LC1 - 1	25 Jun 2014 13:46:56	SMPL	ug/l	2.7775	22465	1.000	1.000
MP80278-MB1 - 1	25 Jun 2014 13:48:15	SMPL	ug/l	-0.0603	-123	1.000	2.000
MP80278-S1 - 1	25 Jun 2014 13:49:48	SMPL	ug/l	3.4711	28045	1.000	1.000
MP80278-S2 - 1	25 Jun 2014 13:51:05	SMPL	ug/l	3.9636	32007	1.000	1.000
JB69575-10 - 1	25 Jun 2014 13:52:38	SMPL	ug/l	1.8396	14919	1.000	1.000
JB69575-5 - 1	25 Jun 2014 13:54:10	SMPL	ug/l	2.1279	17239	1.000	1.000
JB69575-7 - 1	25 Jun 2014 13:55:39	SMPL	ug/l	1.3572	11038	1.000	1.000
JB69575-4 - 1	25 Jun 2014 13:57:09	SMPL	ug/l	2.8366	22940	1.000	1.000
JB69209-1 - 1	25 Jun 2014 13:58:36	SMPL	ug/l	-0.0380	-186	1.000	1.000
JB70038-1A - 1	25 Jun 2014 14:00:08	SMPL	ug/l	4.3903	35440	1.000	1.000
CCV - 1	25 Jun 2014 14:01:27	CK STND	ug/l	(H)110.6% 2.7642	22358	1.000	1.000
CCB - 1	25 Jun 2014 14:03:02	CK STND	ug/l	-0.0381	-187	1.000	1.000
JB70043-1A - 1	25 Jun 2014 14:04:35	SMPL	ug/l	1.6821	13652	1.000	1.000
JB70043-6A - 1	25 Jun 2014 14:05:52	SMPL	ug/l	1.2616	10269	1.000	1.000
JB70069-1A - 1	25 Jun 2014 14:07:24	SMPL	ug/l	0.1860	1616	1.000	1.000
JB69603-1 - 1	25 Jun 2014 14:08:52	SMPL	ug/l	-0.0135	11	1.000	1.000
JB69647-2A - 1	25 Jun 2014 14:10:14	SMPL	ug/l	1.4462	11754	1.000	1.000
JB69652-1 - 1	25 Jun 2014 14:11:31	SMPL	ug/l	-0.0119	24	1.000	1.000
JB69974-1 - 1	25 Jun 2014 14:13:00	SMPL	ug/l	0.0263	331	1.000	1.000
JB69974-2 - 1	25 Jun 2014 14:14:18	SMPL	ug/l	-0.0011	111	1.000	1.000
JB69974-3 - 1	25 Jun 2014 14:15:37	SMPL	ug/l	0.0304	364	1.000	1.000
CCV - 1	25 Jun 2014 14:16:54	CK STND	ug/l	(H)110.4% 2.7589	22315	1.000	1.000
CCB - 1	25 Jun 2014 14:18:11	CK STND	ug/l	-0.0299	-121	1.000	1.000
JB69559-1 - 1	25 Jun 2014 15:04:37	SMPL	ug/l	1.6398	13312	1.000	1.000
JB69492-1A - 1	25 Jun 2014 15:05:53	SMPL	ug/l	15.1618	24515	1.000	5.000
JB69498-1 - 1	25 Jun 2014 15:07:23	SMPL	ug/l	12.2457	19823	1.000	5.000
JB69534-8 - 1	25 Jun 2014 15:08:53	SMPL	ug/l	5.6242	22743	1.000	2.000
JB69534-9 - 1	25 Jun 2014 15:10:24	SMPL	ug/l	5.9101	23893	1.000	2.000
JB69534-10 - 1	25 Jun 2014 15:11:55	SMPL	ug/l	52.8136	21364	1.000	20.000
CCV - 1	25 Jun 2014 15:16:15	CK STND	ug/l	(H)114.4% 2.8608	23135	1.000	1.000
CCB - 1	25 Jun 2014 15:17:30	CK STND	ug/l	-0.0295	-118	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	0.006	0.006	167	0.000	167				
STDB	0.200	0.179	-0.021	1561	0.0 %	1561				
STDC	0.500	0.495	-0.005	4105	0.0 %	4105				
STDD	1.000	1.002	0.002	8181	0.0 %	8181				
STDE	2.500	2.534	0.034	20506	0.0 %	20506				
STDF	5.000	4.983	-0.017	40212	0.0 %	40212				

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/24/2014 14:36:49 Type: Cal
Method: Accutest1(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0022**	**.0001**	**.0006**	**-.0000**	**.0000**	**.0033**	**.0000**	**-.0005**	**-.0001**
Stddev	.0004	.0002	.0000	.0001	.0000	.0001	.0000	.0002	.0001
%RSD	19.38	144.6	5.306	549.1	43.37	2.876	97.85	36.45	44.40
#1	.0025	.0003	.0006	-.0001	.0000	.0033	.0000	-.0006	-.0002
#2	.0019	-.0000	.0006	.0000	.0000	.0034	.0000	-.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0002**	**-.0001**	**-.0001**	**-.0000**	**.0001**	**.0001**	**-.0004**	**.0045**
Stddev	.0000	.0001	.0001	.0001	.0000	.0000	.0001	.0004	.0000
%RSD	55.40	34.74	104.4	47.92	18.01	33.77	55.33	100.1	.7257
#1	-.0001	.0001	-.0001	-.0002	-.0001	.0001	.0002	-.0007	.0045
#2	-.0000	.0002	-.0000	-.0001	-.0000	.0001	.0001	-.0001	.0045

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0002**	**.0085**	**-.0029**	**.0003**	**.0007**	**-.0000**	**.0051**	**.0001**
Stddev	.0001	.0000	.0001	.0004	.0000	.0002	.0000	.0000	.0000
%RSD	83.04	10.52	1.287	14.35	3.287	27.26	808.5	.4317	1.096
#1	.0002	-.0002	.0084	-.0032	.0003	.0005	.0000	.0051	.0001
#2	.0000	-.0002	.0086	-.0026	.0003	.0008	-.0000	.0051	.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	**-.0004**	**-.0001**	**.0033**	**-.0001**	**.0002**	**-.0006**	**-.0020**
Stddev	.0004	.0000	.0001	.0000	.0000	.0002	.0002
%RSD	123.0	15.27	1.556	22.89	24.22	29.11	11.66
#1	-.0000	-.0001	.0033	-.0001	.0001	-.0007	-.0021
#2	-.0007	-.0001	.0033	-.0001	.0002	-.0005	-.0018

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/24/2014 14:36:49 Type: Cal
Method: Accutest1(v9) 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	**66850.**	**9913.5**	**2623.3**	**3927.4**
Stddev	561.	54.7	2.8	5.5
%RSD	.83931	.55169	.10697	.14025
#1	67247.	9874.8	2621.3	3923.5
#2	66454.	9952.1	2625.3	3931.2

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/24/2014 14:42:52 Type: Cal
Method: Accutest1(v9) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.36**	**7.035**	**4.540**	**2.795**	**.4131**	**.9941**	**2.654**	**2.154**	**.0706**
Stddev	.00	.012	.033	.018	.0001	.0026	.004	.014	.0002
%RSD	.0094	.1700	.7178	.6262	.0350	.2591	.1454	.6289	.2795
#1	11.36	7.043	4.517	2.782	.4130	.9923	2.656	2.144	.0704
#2	11.36	7.026	4.563	2.807	.4132	.9959	2.651	2.163	.0707

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	**.7004**	**4.880**	**.4639**	**.3195**	**.9072**	**.3582**	**.7626**	**3.207**	**4.722**
Stddev	.0001	.028	.0033	.0017	.0059	.0018	.0061	.001	.017
%RSD	.0115	.5767	.7181	.5199	.6519	.5150	.7943	.0195	.3510
#1	.7005	4.860	.4615	.3183	.9030	.3569	.7584	3.207	4.734
#2	.7003	4.900	.4662	.3206	.9114	.3595	.7669	3.208	4.710

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	**2.761**	**.4301**	**4.104**	**13.64**	**1.104**	**3.346**	**.1952**	**2.590**	**.7960**
Stddev	.005	.0011	.001	.00	.008	.024	.0005	.018	.0058
%RSD	.1733	.2564	.0261	.0229	.6935	.7100	.2543	.7162	.7249
#1	2.765	.4309	4.105	13.64	1.098	3.329	.1949	2.577	.7919
#2	2.758	.4293	4.103	13.64	1.109	3.363	.1956	2.603	.8001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**16.96**	**.6447**	**1.433**	**1.853**	**.2177**	**.8488**	**4.346**
Stddev	.00	.0012	.014	.001	.0013	.0064	.001
%RSD	.0213	.1814	1.008	.0632	.5788	.7548	.0133
#1	16.96	.6455	1.422	1.852	.2168	.8442	4.346
#2	16.96	.6439	1.443	1.854	.2186	.8533	4.346

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/24/2014 14:42:52 Type: Cal
Method: Accutest1(v9) 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	**63501.**	**9611.0**	**2359.7**	**3295.0**
Stddev	25.	12.5	15.4	20.7
%RSD	.03999	.13048	.65333	.62794
#1	63519.	9619.9	2370.6	3309.6
#2	63483.	9602.2	2348.8	3280.3

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/24/2014 14:48:39 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.009**	**2.010**	**2.047**	**2.046**	**1.949**	**2.069**	**2.056**	**.2439**
Stddev	.034	.034	.005	.007	.035	.032	.039	.006	.0046
%RSD	1.681	1.669	.2532	.3676	1.720	1.641	1.880	.3129	1.890
#1	1.980	1.985	2.013	2.053	2.021	1.927	2.042	2.061	.2406
#2	2.027	2.033	2.006	2.042	2.070	1.972	2.097	2.052	.2471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.053**	**2.000**	**2.111**	**2.064**	**2.004**	**2.009**	**39.08**	**39.97**
Stddev	.035	.008	.003	.002	.005	.005	.004	.52	.60
%RSD	1.723	.4064	.1493	.1015	.2568	.2329	.2199	1.334	1.489
#1	1.997	2.059	2.002	2.113	2.067	2.008	2.012	38.71	39.55
#2	2.046	2.048	1.998	2.110	2.060	2.001	2.006	39.45	40.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.44**	**39.81**	**38.97**	**39.46**	**2.023**	**2.043**	**1.978**	**5.038**	**2.074**
Stddev	.56	.56	.47	.67	.003	.006	.038	.014	.003
%RSD	1.396	1.417	1.202	1.706	.1244	.3048	1.942	.2731	.1340
#1	40.04	39.41	38.64	38.99	2.025	2.048	1.951	5.047	2.076
#2	40.84	40.21	39.31	39.94	2.021	2.039	2.005	5.028	2.072
Check ?	Chk Pass	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: 6/24/2014 14:48:39 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.025**	**1.999**	**2.022**	**1.969**	**2.004**	**1.939**
Stddev	.033	.039	.001	.036	.003	.001	.028
%RSD	1.645	1.922	.0266	1.801	.1492	.0234	1.433
#1	1.991	1.998	1.998	1.997	1.971	2.004	1.919
#2	2.037	2.053	1.999	2.048	1.967	2.004	1.959
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	**65280.**	**9726.2**	**2450.5**	**3444.1**
Stddev	1265.	112.2	11.5	18.4
%RSD	1.9377	1.1538	.47046	.53494
#1	66175.	9805.6	2442.3	3431.0
#2	64386.	9646.9	2458.6	3457.1

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/24/2014 14:54:29 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**.0001**	**.0002**	**.0002**	**.0001**	**-.0003**
Stddev	.0001	.0001	.0001	.0000	.0004	.0000	.0000	.0000	.0002
%RSD	153.2	77.30	86.97	3.502	468.1	9.084	16.21	55.66	64.37
#1	.0001	.0001	.0000	.0004	-.0002	.0002	.0002	.0000	-.0004
#2	-.0000	.0002	.0001	.0004	.0003	.0002	.0002	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0001**	**.0014**	**-.0007**	**.0004**	**-.0014**	**.0014**	**.0018**	**.0006**
Stddev	.0002	.0000	.0003	.0002	.0003	.0018	.0001	.0041	.0016
%RSD	35.26	13.97	22.73	30.02	58.15	123.1	7.360	221.5	266.6
#1	.0003	.0001	.0012	-.0008	.0003	-.0002	.0014	-.0010	.0018
#2	.0005	.0001	.0016	-.0005	.0006	-.0027	.0015	.0047	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0069**	**.0100**	**.0029**	**.0042**	**.0012**	**.0015**	**.0001**	**.0016**	**.0011**
Stddev	.0008	.0091	.0189	.0001	.0005	.0002	.0010	.0000	.0000
%RSD	12.14	90.78	654.0	3.135	44.71	11.58	1026.	.3010	.6504
#1	.0074	.0036	.0163	.0041	.0015	.0016	.0008	.0016	.0011
#2	.0063	.0165	-.0105	.0043	.0008	.0013	-.0006	.0016	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/24/2014 14:54:29 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0179**	**.0010**	**-.0017**	**.0031**	**.0009**
Stddev	.0000	.0000	.0003	.0002	.0005	.0007	.0002
%RSD	60.00	34.81	1.944	18.73	28.79	22.69	20.15
#1	-.0001	.0002	.0181	.0009	-.0021	.0026	.0010
#2	-.0000	.0001	.0176	.0011	-.0014	.0036	.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	**67834.**	**9919.9**	**2643.8**	**3946.8**
Stddev	60.	34.5	10.7	1.5
%RSD	.08776	.34750	.40480	.03925
#1	67792.	9944.3	2636.2	3945.7
#2	67876.	9895.5	2651.4	3947.9

Zoom In Zoom Out

Sample Name: jb68500-1undconf Acquired: 6/24/2014 15:03:30 Type: Unk
Method: Accutest1(v9) 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	**.6782**	**.0026**	**-.0053**	**.0229**	**.1097**	**.2007**	**13.83**	**.0733**	**.0186**
Stddev	.0015	.0010	.0022	.0002	.0048	.0017	.03	.0013	.0067
%RSD	.2258	39.29	42.20	.8212	4.354	.8464	.1855	1.837	36.36
#1	.6771	.0033	-.0069	.0227	.1131	.2019	13.81	.0743	.0138
#2	.6793	.0019	-.0037	.0230	.1063	.1995	13.85	.0724	.0233

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0315**	**1.025**	**27.63**	**.0026**	**.0147**	**-.0022**	**.0232**	**.4449**	**86.04**
Stddev	.0004	.001	.00	.0017	.0027	.0002	.0039	.0372	.16
%RSD	1.156	.1259	.0133	64.84	18.13	7.353	16.86	8.362	.1812
#1	.0313	1.026	27.63	.0014	.0166	-.0023	.0204	.4186	85.93
#2	.0318	1.024	27.63	.0037	.0128	-.0021	.0259	.4712	86.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**187.1**	**23.39**	**4.546**	**99.06**	**.2828**	**.0028**	**.0211**	**21.14**	**.0043**
Stddev	.1	.17	.113	.36	.0000	.0022	.0002	.03	.0057
%RSD	.0384	.7473	2.475	.3605	.0162	80.42	.9138	.1431	131.3
#1	187.1	23.51	4.466	98.81	.2829	.0043	.0212	21.12	.0003
#2	187.2	23.26	4.625	99.31	.2828	.0012	.0209	21.17	.0084

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4718**	**.0111**	**.1810**	**-.0086**	**15.40**	**.0370**	**.0131**
Stddev	.0027	.0060	.0035	.0014	.06	.0078	.0011
%RSD	.5746	54.14	1.932	15.82	.4177	21.19	8.694
#1	.4698	.0068	.1786	-.0096	15.44	.0314	.0139
#2	.4737	.0153	.1835	-.0077	15.35	.0425	.0123

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	67258.	9900.4	2581.4	3820.5
Stddev	123.	26.1	3.6	6.7
%RSD	.18248	.26323	.13906	.17491
#1	67345.	9882.0	2578.9	3815.7
#2	67171.	9918.8	2583.9	3825.2

Zoom In Zoom Out

Sample Name: jb68500-1conf Acquired: 6/24/2014 15:09:28 Type: Unk
Method: Accutest1(v9) 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	**.5794**	**.0017**	**-.0066**	**.0193**	**.1041**	**.1787**	**11.79**	**.0628**	**.0141**
Stddev	.0069	.0001	.0013	.0014	.0021	.0044	.15	.0003	.0013
%RSD	1.199	3.410	20.46	7.408	2.017	2.469	1.240	.4265	8.959
#1	.5843	.0016	-.0056	.0203	.1026	.1756	11.69	.0626	.0150
#2	.5745	.0017	-.0075	.0183	.1056	.1818	11.90	.0630	.0132

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0298**	**.8910**	**35.40**	**.0049**	**.0049**	**.0062**	**.0552**	**.4662**	**73.11**
Stddev	.0012	.0047	.27	.0021	.0025	.0022	.0057	.0508	.81
%RSD	4.170	.5264	.7759	42.25	51.52	35.29	10.31	10.90	1.102
#1	.0289	.8943	35.59	.0063	.0031	.0077	.0592	.4302	73.68
#2	.0306	.8877	35.21	.0034	.0067	.0046	.0511	.5021	72.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**182.5**	**20.08**	**3.715**	**84.55**	**.2399**	**.0035**	**.0177**	**18.13**	**.0063**
Stddev	2.0	.05	.179	.88	.0036	.0026	.0031	.18	.0039
%RSD	1.072	.2245	4.832	1.041	1.480	73.65	17.57	.9704	62.03
#1	183.9	20.05	3.842	85.17	.2425	.0053	.0199	18.26	.0091
#2	181.1	20.11	3.589	83.92	.2374	.0017	.0155	18.01	.0035

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4020**	**.0196**	**.1745**	**-.0076**	**13.58**	**.0332**	**.0102**
Stddev	.0019	.0030	.0019	.0004	.14	.0005	.0016
%RSD	.4754	15.49	1.093	5.401	1.030	1.482	15.77
#1	.4034	.0217	.1731	-.0079	13.68	.0328	.0090
#2	.4007	.0174	.1758	-.0073	13.48	.0335	.0113

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	67202.	9880.3	2596.7	3859.3
Stddev	701.	90.0	15.1	15.8
%RSD	1.0432	.91122	.58139	.40877
#1	67698.	9816.6	2586.0	3848.2
#2	66706.	9943.9	2607.4	3870.5

Zoom In Zoom Out

Sample Name: icv Acquired: 6/24/2014 15:17:37 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.028**	**2.001**	**2.037**	**2.056**	**1.949**	**2.071**	**2.046**	**.2451**
Stddev	.004	.002	.004	.004	.004	.004	.004	.005	.0004
%RSD	.2021	.0741	.2202	.2155	.1762	.2051	.1999	.2445	.1462
#1	2.013	2.028	1.996	2.035	2.060	1.953	2.075	2.045	.2455
#2	2.015	2.030	2.001	2.033	2.055	1.946	2.072	2.042	.2452
#3	2.007	2.027	2.005	2.041	2.053	1.947	2.066	2.052	.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	**2.023**	**2.041**	**1.992**	**2.098**	**2.050**	**1.993**	**1.999**	**39.41**	**40.30**
Stddev	.006	.007	.003	.005	.003	.004	.008	.04	.08
%RSD	.2759	.3387	.1537	.2450	.1287	.2253	.3805	.1111	.1945
#1	2.029	2.044	1.989	2.099	2.048	1.989	1.991	39.43	40.36
#2	2.024	2.033	1.992	2.093	2.049	1.994	2.006	39.43	40.34
#3	2.017	2.046	1.995	2.103	2.053	1.997	2.000	39.36	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	**40.67**	**39.96**	**39.27**	**39.65**	**2.016**	**2.036**	**1.969**	**5.018**	**2.061**
Stddev	.05	.12	.07	.16	.003	.005	.003	.011	.002
%RSD	.1289	.3111	.1756	.4123	.1514	.2656	.1407	.2169	.0928
#1	40.66	39.91	39.24	39.65	2.014	2.032	1.968	5.007	2.060
#2	40.72	40.10	39.35	39.82	2.015	2.033	1.972	5.019	2.061
#3	40.62	39.86	39.23	39.49	2.019	2.042	1.967	5.029	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/24/2014 15:17:37 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**2.020**	**1.978**	**2.023**	**1.964**	**1.993**	**1.957**
Stddev	.004	.003	.013	.005	.002	.008	.006
%RSD	.1731	.1673	.6577	.2260	.0780	.4187	.2986
#1	2.024	2.020	1.965	2.028	1.964	1.984	1.953
#2	2.027	2.023	1.977	2.023	1.963	2.000	1.964
#3	2.020	2.016	1.991	2.019	1.966	1.995	1.954
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	65080.	9691.6	2454.0	3449.2
Stddev	296.	21.9	7.6	10.4
%RSD	.45416	.22611	.31074	.30283
#1	64760.	9666.4	2458.7	3452.3
#2	65138.	9702.6	2458.1	3457.8
#3	65342.	9705.8	2445.2	3437.6

Zoom In Zoom Out

Sample Name: icb Acquired: 6/24/2014 15:31:56 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0001**	**.0003**	**-.0000**	**.0000**	**.0002**	**.0000**	**.0005**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0000	.0003	.0000
%RSD	72.15	7.843	57.14	.6274	1.520	305.6	11.43	2540.	5.722
#1	.0001	.0002	.0001	.0003	-.0000	-.0000	.0002	.0002	.0005
#2	.0003	.0002	.0002	.0003	-.0000	.0001	.0002	-.0002	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**.0009**	**-.0004**	**.0005**	**-.0014**	**-.0004**	**-.0006**	**.0040**
Stddev	.0000	.0003	.0000	.0006	.0003	.0000	.0002	.0020	.0053
%RSD	1.636	156.8	3.281	129.0	49.18	.2476	38.69	349.6	131.4
#1	.0003	.0003	.0008	-.0000	.0007	-.0014	-.0003	.0008	.0077
#2	.0003	-.0000	.0009	-.0008	.0003	-.0014	-.0006	-.0020	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0064**	**.0307**	**.0104**	**.0105**	**.0024**	**.0015**	**-.0004**	**.0024**	F **.0016**
Stddev	.0021	.0373	.0003	.0021	.0002	.0004	.0003	.0000	.0001
%RSD	32.57	121.8	2.955	19.95	6.471	28.12	84.31	.1064	8.984
#1	.0079	.0571	.0101	.0119	.0025	.0018	-.0006	.0024	.0015
#2	.0050	.0043	.0106	.0090	.0023	.0012	-.0001	.0024	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									.0015
Low Limit									-.0015

Zoom In Zoom Out

Sample Name: icb Acquired: 6/24/2014 15:31:56 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0246**	**.0013**	**-.0008**	**.0055**	**.0009**
Stddev	.0000	.0005	.0010	.0000	.0027	.0003	.0012
%RSD	82.51	163.5	4.115	.8808	329.8	5.164	129.1
#1	.0001	.0007	.0254	.0013	-.0027	.0057	.0017
#2	.0000	-.0000	.0239	.0013	.0011	.0053	.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	**67838.**	**10157.**	**2632.4**	**3933.2**
Stddev	429.	330.	3.0	4.5
%RSD	.63218	3.2462	.11529	.11350
#1	68141.	10390.	2630.2	3930.0
#2	67535.	9923.6	2634.5	3936.4

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/24/2014 15:43:23 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**2.018**	**1.979**	**2.019**	**2.045**	**1.942**	**2.057**	**2.029**	**.2438**
Stddev	.003	.007	.006	.004	.006	.004	.004	.004	.0005
%RSD	.1708	.3595	.2882	.1820	.2897	.2073	.2201	.2061	.2004
#1	2.013	2.023	1.988	2.023	2.050	1.945	2.058	2.033	.2431
#2	2.006	2.024	1.976	2.019	2.046	1.941	2.061	2.029	.2442
#3	2.007	2.014	1.979	2.014	2.048	1.936	2.059	2.023	.2437
#4	2.009	2.009	1.975	2.020	2.036	1.943	2.051	2.030	.2442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.012**	**2.019**	**1.971**	**2.078**	**2.032**	**1.971**	**1.978**	**39.33**	**40.06**
Stddev	.004	.008	.003	.006	.002	.004	.006	.16	.15
%RSD	.1966	.4095	.1567	.3122	.1178	.2246	.2929	.4009	.3740
#1	2.015	2.024	1.974	2.083	2.034	1.972	1.984	39.47	40.18
#2	2.016	2.025	1.967	2.069	2.031	1.965	1.970	39.45	40.19
#3	2.010	2.007	1.971	2.081	2.029	1.974	1.980	39.25	39.91
#4	2.008	2.021	1.972	2.079	2.034	1.974	1.978	39.14	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: 6/24/2014 15:43:23 Type: QC
Method: Accutest1(v9) 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	**40.51**	**39.76**	**39.20**	**39.60**	**1.995**	**2.015**	**1.967**	**4.965**	**2.036**
Stddev	.12	.10	.15	.08	.005	.002	.010	.012	.004
%RSD	.2907	.2414	.3795	.2128	.2420	.1166	.4864	.2481	.2085
#1	40.60	39.83	39.27	39.67	2.001	2.019	1.970	4.982	2.042
#2	40.61	39.80	39.39	39.66	1.990	2.015	1.974	4.956	2.034
#3	40.43	39.62	39.09	39.58	1.994	2.013	1.953	4.965	2.032
#4	40.38	39.78	39.07	39.49	1.994	2.014	1.972	4.956	2.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.021**	**2.009**	**1.978**	**2.013**	**1.937**	**1.976**	**1.957**
Stddev	.004	.004	.005	.005	.004	.006	.012
%RSD	.1994	.1823	.2394	.2407	.2109	.3194	.5886
#1	2.026	2.007	1.975	2.018	1.943	1.981	1.957
#2	2.021	2.014	1.976	2.016	1.934	1.969	1.971
#3	2.020	2.008	1.976	2.010	1.937	1.982	1.959
#4	2.016	2.006	1.985	2.008	1.935	1.972	1.943
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: 6/24/2014 15:43:23 Type: QC
Method: Accutest1(v9) 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	**65634.**	**9720.3**	**2478.7**	**3478.1**
Stddev	93.	40.9	6.4	7.2
%RSD	.14215	.42052	.25635	.20745
#1	65584.	9667.3	2470.3	3469.7
#2	65531.	9730.9	2478.1	3477.1
#3	65688.	9765.9	2485.4	3487.3
#4	65734.	9717.2	2481.2	3478.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 16:15:57 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**-.0000**	**.0002**	**.0001**	**.0001**	**.0001**	**.0000**
Stddev	.0001	.0000	.0001	.0001	.0003	.0002	.0000	.0001	.0000
%RSD	585.8	4.625	85.00	1173.	114.6	204.3	29.25	197.7	85.10
#1	-.0000	.0002	-.0000	.0001	.0004	.0002	.0001	.0002	.0000
#2	.0000	.0002	-.0001	-.0001	.0000	-.0000	.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**	**-.0000**	**.0006**	**-.0003**	**-.0004**	**-.0007**	**.0001**	**-.0017**	**.0033**
Stddev	.0001	.0001	.0004	.0006	.0007	.0021	.0002	.0011	.0009
%RSD	406.7	487.7	69.13	182.3	191.7	319.5	178.9	66.90	26.92
#1	.0000	.0000	.0003	.0001	-.0009	.0008	.0002	-.0009	.0027
#2	-.0001	-.0001	.0008	-.0008	.0001	-.0021	-.0000	-.0025	.0039
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	**.0017**	**.0160**	**-.0204**	**.0051**	**.0012**	**.0002**	**-.0015**	**.0005**	**.0006**
Stddev	.0039	.0098	.0127	.0019	.0002	.0001	.0001	.0007	.0001
%RSD	232.1	61.45	62.28	37.67	20.79	49.79	7.111	141.6	8.627
#1	-.0011	.0090	-.0294	.0038	.0013	.0001	-.0016	-.0000	.0006
#2	.0044	.0229	-.0114	.0065	.0010	.0002	-.0014	.0010	.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: 6/24/2014 16:15:57 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0075**	**.0004**	**-.0031**	**.0016**	**.0006**
Stddev	.0000	.0001	.0006	.0000	.0015	.0003	.0010
%RSD	40.23	63.28	8.368	2.430	47.24	18.83	165.7
#1	-.0001	-.0002	.0071	.0004	-.0021	.0014	-.0001
#2	-.0001	-.0001	.0079	.0004	-.0041	.0018	.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	**67378.**	**10021.**	**2621.9**	**3924.9**
Stddev	144.	12.	.2	9.8
%RSD	.21415	.11496	.00726	.25002
#1	67480.	10013.	2621.7	3918.0
#2	67276.	10029.	2622.0	3931.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/24/2014 16:21:37 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2101**	**.0022**	**.0032**	**.0519**	**.0113**	**.0100**	**.0168**	**.0105**	**.0048**
Stddev	.0011	.0000	.0001	.0004	.0002	.0001	.0003	.0000	.0006
%RSD	.5073	1.975	3.742	.7332	1.918	.6516	1.805	.2285	12.55
#1	.2093	.0022	.0032	.0521	.0114	.0101	.0170	.0105	.0052
#2	.2108	.0023	.0031	.0516	.0111	.0100	.0166	.0105	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0560**	**.0241**	**.0086**	**.0104**	**.0036**	**.0100**	**.0069**	**.2107**	**5.201**
Stddev	.0005	.0002	.0001	.0010	.0001	.0023	.0010	.0028	.039
%RSD	.8238	.7820	.6584	9.460	3.302	23.39	14.16	1.346	.7474
#1	.0563	.0242	.0086	.0111	.0037	.0083	.0062	.2087	5.173
#2	.0556	.0239	.0086	.0097	.0035	.0117	.0076	.2127	5.228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1082**	**5.264**	**4.934**	**5.130**	**.1031**	**.0211**	**.0643**	**.2024**	**.0117**
Stddev	.0029	.026	.019	.030	.0000	.0003	.0009	.0024	.0001
%RSD	2.702	.4912	.3932	.5898	.0154	1.425	1.423	1.186	.9521
#1	.1103	5.246	4.921	5.108	.1031	.0213	.0650	.2041	.0117
#2	.1061	5.282	4.948	5.151	.1031	.0209	.0637	.2007	.0116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/24/2014 16:21:37 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0105**	**.0607**	**.0118**	**.0462**	**.0216**	**.0205**
Stddev	.0000	.0000	.0012	.0001	.0008	.0016	.0016
%RSD	.0297	.3474	2.023	1.104	1.815	7.571	7.807
#1	.0110	.0105	.0616	.0119	.0468	.0228	.0217
#2	.0110	.0105	.0598	.0117	.0456	.0204	.0194
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	**66696.**	**9790.0**	**2562.4**	**3807.9**
Stddev	505.	68.6	12.0	12.8
%RSD	.75718	.70066	.46700	.33624
#1	66339.	9838.5	2553.9	3798.8
#2	67054.	9741.5	2570.8	3816.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/24/2014 16:27:38 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0010**	**.0032**	**.0022**	**.0021**	**.0034**	**.0041**
Stddev	.0001	.0000	.0001	.0001	.0003	.0001	.0001	.0000
%RSD	2.717	1.607	9.954	3.899	15.14	3.508	2.932	1.111
#1	.0041	.0011	.0011	.0033	.0020	.0021	.0033	.0041
#2	.0043	.0011	.0009	.0031	.0024	.0020	.0034	.0041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0024**	F **.0136**	F **.0042**	F **.0029**	**.0030**	**.0042**	**.0034**
Stddev	.0000	.0001	.0001	.0012	.0005	.0002	.0006	.0013
%RSD	1.658	3.957	.7288	27.60	16.29	6.644	13.76	36.84
#1	.0008	.0024	.0135	.0051	.0032	.0029	.0046	.0043
#2	.0008	.0025	.0137	.0034	.0025	.0032	.0038	.0025
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.0100	.0030	.0020			
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	**.0988**	**1.040**	**.0029**	**.1188**	**1.935**	**1.024**	**.0099**	**.0001**
Stddev	.0101	.007	.0030	.0117	.010	.008	.0003	.0001
%RSD	10.23	.6563	105.3	9.827	.4967	.8165	2.932	84.32
#1	.0917	1.035	.0007	.1270	1.928	1.030	.0097	.0002
#2	.1060	1.044	.0050	.1105	1.942	1.018	.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: 6/24/2014 16:27:38 Type: QC
Method: Accutest1(v9) 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**	**-.0024**	**.0009**	**-.0000**	**-.0001**	F **.0058**	F **.0005**	F **-.0019**
Stddev	.0001	.0001	.0000	.0001	.0000	.0000	.0001	.0005
%RSD	11.33	5.882	.7484	273.5	3.693	.1760	25.88	26.45
#1	-.0010	-.0025	.0009	-.0001	-.0001	.0058	.0006	-.0022
#2	-.0008	-.0023	.0009	.0000	-.0001	.0058	.0004	-.0015
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 **.0010**	F **.0000**
Stddev	.0010	.0003
%RSD	99.18	2389.
#1	.0018	-.0002
#2	.0003	.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	**67529.**	**9959.1**	**2600.9**	**3883.0**
Stddev	366.	3.5	3.2	7.4
%RSD	.54195	.03534	.12244	.19045
#1	67788.	9961.6	2603.2	3888.2
#2	67270.	9956.6	2598.7	3877.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/24/2014 16:33:44 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**-.0001**
Stddev	.0000	.0001	.0001	.0001	.0003	.0001	.0000	.0000	.0003
%RSD	66.69	124.2	148.6	53.27	161.5	46.89	26.57	211.3	190.8
#1	.0000	.0001	.0000	.0003	-.0000	.0002	.0001	-.0000	.0000
#2	.0001	.0000	-.0001	.0001	.0004	.0001	.0001	.0000	-.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**	**.0013**	**.0209**	**-.0001**	**.0209**	**.0195**	**.0196**	**.4877**	**.0104**
Stddev	.0004	.0001	.0002	.0003	.0001	.0004	.0000	.0020	.0034
%RSD	491.9	6.227	.8471	414.5	.4249	1.891	.2538	.4025	33.19
#1	.0004	.0014	.0208	-.0003	.0210	.0192	.0196	.4863	.0079
#2	-.0002	.0013	.0210	.0001	.0209	.0198	.0195	.4891	.0128
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	**.5334**	**.0285**	**-.0262**	**.0006**	**.0004**	**.0001**	**.0006**	**-.0030**	**.0008**
Stddev	.0024	.0288	.0031	.0025	.0004	.0001	.0008	.0006	.0002
%RSD	.4468	101.2	11.66	408.7	85.43	75.45	142.2	19.72	26.05
#1	.5317	.0489	-.0241	-.0011	.0007	.0001	-.0000	-.0026	.0009
#2	.5350	.0081	-.0284	.0023	.0002	.0002	.0011	-.0035	.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/24/2014 16:33:44 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0047**	**.0003**	**-.0016**	**-.0005**	**.0003**
Stddev	.0001	.0003	.0002	.0001	.0001	.0004	.0004
%RSD	117.0	53.37	3.319	19.18	7.837	79.48	127.9
#1	-.0001	-.0003	.0048	.0003	-.0017	-.0007	.0006
#2	-.0000	-.0008	.0046	.0002	-.0015	-.0002	.0000
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67836.**	**10069.**	**2623.3**	**3909.6**
Stddev	33.	35.	4.8	7.3
%RSD	.04851	.34518	.18335	.18576
#1	67859.	10093.	2626.7	3914.7
#2	67813.	10044.	2619.9	3904.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/24/2014 16:39:51 Type: QC
Method: Accutest1(v9) 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**	**.0009**	**.0033**	**.0022**	**.0019**	**.0033**	**.0041**
Stddev	.0001	.0000	.0000	.0001	.0003	.0006	.0000	.0001
%RSD	1.354	.6036	5.060	2.531	12.19	29.58	.2495	2.877
#1	.0042	.0011	.0009	.0033	.0020	.0015	.0033	.0041
#2	.0041	.0011	.0010	.0034	.0024	.0023	.0033	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0019**	F **.0136**	**.0032**	**.0018**	**.0024**	**.0036**	**.0022**
Stddev	.0002	.0001	.0001	.0006	.0009	.0003	.0013	.0001
%RSD	20.48	7.000	.7705	19.21	51.91	12.15	37.12	4.892
#1	.0008	.0020	.0137	.0037	.0024	.0026	.0046	.0021
#2	.0011	.0019	.0135	.0028	.0011	.0022	.0027	.0023
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0100					
Range			30.00%					

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1058**	**1.051**	**.0051**	F **.1491**	**1.970**	**1.023**	**.0105**	**.0000**
Stddev	.0032	.019	.0007	.0129	.029	.018	.0001	.0000
%RSD	2.995	1.791	14.64	8.670	1.479	1.727	1.067	138.7
#1	.1080	1.038	.0045	.1582	1.950	1.010	.0105	.0000
#2	.1035	1.065	.0056	.1399	1.991	1.035	.0104	.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: 6/24/2014 16:39:51 Type: QC
Method: Accutest1(v9) 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**	**-.0031**	**.0011**	**-.0000**	**-.0004**	**.0049**	F **.0002**	F **-.0004**
Stddev	.0016	.0004	.0002	.0001	.0001	.0000	.0000	.0001
%RSD	164.3	12.43	16.86	303.4	20.22	.3291	11.85	25.52
#1	-.0002	-.0034	.0013	.0000	-.0005	.0049	.0001	-.0005
#2	.0021	-.0028	.0010	-.0001	-.0004	.0049	.0002	-.0004
Check ?	None	None	None	None	None	Chk Pass	Chk Fail	Chk Fail
Value							.0040	.0040
Range							-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0004**	F **.0000**
Stddev	.0002	.0005
%RSD	48.29	1122.
#1	.0002	-.0003
#2	.0005	.0004
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67371.**	**9934.1**	**2581.6**	**3843.4**
Stddev	81.	149.3	2.5	7.5
%RSD	.12088	1.5033	.09635	.19503
#1	67314.	10040.	2583.3	3848.7
#2	67429.	9828.5	2579.8	3838.1

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/24/2014 16:45:56 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0007**	**.0014**	**-.0002**	**-.0017**	**-.0029**	**.0014**	**.0011**	**.0048**
Stddev	.0001	.0000	.0000	.0000	.0002	.0004	.0000	.0000	.0000
%RSD	3.744	1.999	2.322	.5346	10.64	12.10	.2462	.4193	.7656
#1	-.0013	.0007	.0014	-.0002	-.0018	-.0032	.0014	.0011	.0048
#2	-.0014	.0007	.0014	-.0002	-.0015	-.0027	.0014	.0011	.0048
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	**.0035**	**.0020**	**.0024**	**.0008**	**.0055**	**.0031**	**.0007**	**506.8**	**375.9**
Stddev	.0000	.0001	.0033	.0005	.0019	.0041	.0012	2.0	1.2
%RSD	.9817	6.230	140.5	70.59	34.09	134.8	177.9	.3887	.3262
#1	.0035	.0019	.0047	.0011	.0041	.0060	-.0002	505.4	376.8
#2	.0035	.0021	.0000	.0004	.0068	.0001	.0016	508.2	375.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**184.2**	**503.4**	**-.0554**	**-.0084**	**-.0001**	**.0011**	**-.0089**	**-.0072**	**-.0023**
Stddev	.4	.5	.0054	.0009	.0009	.0002	.0012	.0001	.0000
%RSD	.1911	.0922	9.791	10.56	767.6	16.21	13.87	1.498	.0515
#1	184.0	503.1	-.0592	-.0078	-.0008	.0009	-.0098	-.0072	-.0023
#2	184.5	503.7	-.0515	-.0091	.0005	.0012	-.0080	-.0071	-.0023
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: 6/24/2014 16:45:56 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**.0016**	**-.0347**	**.0022**	**-.0330**	**.0282**	**.0180**
Stddev	.0000	.0000	.0007	.0002	.0012	.0008	.0002
%RSD	.9638	1.915	2.022	10.12	3.590	2.681	.8756
#1	-.0045	.0016	-.0342	.0023	-.0322	.0276	.0181
#2	-.0044	.0016	-.0352	.0020	-.0338	.0287	.0179
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	**60013.**	**9214.7**	**2176.8**	**2928.3**
Stddev	149.	43.6	7.6	8.5
%RSD	.24760	.47293	.34904	.29125
#1	60118.	9183.9	2182.2	2934.3
#2	59908.	9245.5	2171.4	2922.3

Sample Name: ICSAB Acquired: 6/24/2014 16:52:01 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5271**	**.5120**	**1.028**	**.4884**	**.4776**	**.5145**	**.5055**	**.9663**	**1.023**
Stddev	.0114	.0091	.004	.0017	.0031	.0049	.0039	.0040	.010
%RSD	2.165	1.772	.4399	.3417	.6474	.9451	.7777	.4091	1.011
#1	.5190	.5056	1.031	.4895	.4754	.5110	.5027	.9691	1.016
#2	.5351	.5184	1.024	.4872	.4798	.5179	.5083	.9635	1.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4956**	**.9669**	**1.115**	**.9681**	**.9737**	**1.120**	**1.048**	**507.4**	**371.1**
Stddev	.0037	.0033	.006	.0044	.0013	.008	.002	9.8	6.7
%RSD	.7390	.3438	.5428	.4496	.1385	.7160	.1636	1.931	1.813
#1	.4930	.9693	1.119	.9712	.9747	1.126	1.049	500.5	366.4
#2	.4982	.9646	1.111	.9650	.9728	1.114	1.047	514.3	375.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**188.7**	**506.8**	**-.0279**	**-.0045**	**.0051**	**.5153**	**.5279**	**-.0091**	**-.0015**
Stddev	3.3	8.9	.0004	.0005	.0003	.0012	.0050	.0005	.0000
%RSD	1.755	1.760	1.607	10.70	6.699	.2298	.9552	5.051	2.229
#1	186.4	500.4	-.0282	-.0049	.0049	.5161	.5243	-.0094	-.0015
#2	191.1	513.1	-.0276	-.0042	.0054	.5144	.5314	-.0088	-.0014
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Sample Name: ICSAB Acquired: 6/24/2014 16:52:01 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0016**	**.5075**	**.5404**	**.4663**	**.5774**	**.5880**
Stddev	.0001	.0002	.0023	.0072	.0012	.0022	.0120
%RSD	2.376	15.06	.4586	1.338	.2676	.3761	2.039
#1	-.0041	.0014	.5092	.5353	.4654	.5790	.5795
#2	-.0043	.0017	.5059	.5455	.4672	.5759	.5965
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	**60238.**	**9008.7**	**2165.3**	**2922.2**
Stddev	491.	134.4	6.1	8.2
%RSD	.81528	1.4916	.28002	.27957
#1	60585.	9103.7	2161.0	2916.4
#2	59890.	8913.6	2169.6	2927.9

Sample Name: feconf Acquired: 6/24/2014 16:57:56 Type: Unk
Method: Accutest1(v9) Mode: CONC 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**	**.0001**	**-.0017**	**-.0008**	**-.0021**	**.0021**	**.0016**	**.0041**
Stddev	.0001	.0000	.0000	.0001	.0001	.0001	.0002	.0003	.0008
%RSD	56.79	4.687	30.56	4.633	11.36	6.970	7.283	16.60	19.81
#1	-.0001	.0007	.0001	-.0016	-.0007	-.0022	.0022	.0014	.0047
#2	-.0001	.0007	.0001	-.0017	-.0008	-.0020	.0020	.0018	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0042**	**.0047**	**.0004**	**.0044**	**.0027**	**-.0002**	**-.0013**	**.0051**	**-.0068**
Stddev	.0002	.0001	.0007	.0007	.0007	.0009	.0002	.0169	.0009
%RSD	3.880	1.439	151.2	16.13	26.12	391.6	17.02	333.9	13.61
#1	.0044	.0047	-.0000	.0039	.0032	.0004	-.0014	-.0069	-.0075
#2	.0041	.0046	.0009	.0049	.0022	-.0008	-.0011	.0170	-.0062

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**195.4**	**.0184**	**-.0594**	**-.0049**	**-.0025**	**.0004**	**-.0029**	**-.0087**	**-.0014**
Stddev	.9	.0031	.0377	.0037	.0010	.0001	.0009	.0012	.0002
%RSD	.4581	16.97	63.38	75.96	40.02	20.22	30.48	13.52	11.75
#1	196.1	.0206	-.0860	-.0075	-.0018	.0004	-.0035	-.0096	-.0015
#2	194.8	.0162	-.0328	-.0022	-.0032	.0003	-.0023	-.0079	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0001**	**.0049**	**.0090**	**.0005**	**.0224**	**.0011**
Stddev	.0000	.0002	.0005	.0001	.0028	.0004	.0011
%RSD	351.4	199.4	9.915	1.199	551.8	1.938	98.33
#1	-.0000	-.0003	.0046	.0090	.0025	.0227	.0019
#2	.0000	.0000	.0053	.0089	-.0015	.0221	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**66988.**	**9822.6**	**2526.2**	**3761.4**
Stddev	589.	48.5	8.1	13.0
%RSD	.87880	.49383	.32133	.34542
#1	67404.	9788.3	2520.5	3752.2
#2	66572.	9856.9	2531.9	3770.6

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/24/2014 17:03:57 Type: Unk
Method: Accutest1(v9) Mode: CONC 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**	**.0003**	**-.0002**	**-.0004**	**12.11**	**.0024**	**-.0013**	**-.0002**	**-.0001**
Stddev	.0001	.0001	.0002	.0000	.03	.0000	.0001	.0001	.0005
%RSD	13.10	22.94	82.48	5.017	.2301	1.515	4.404	90.32	445.1
#1	.0006	.0004	-.0004	-.0004	12.09	.0024	-.0014	-.0003	.0002
#2	.0007	.0003	-.0001	-.0004	12.13	.0024	-.0013	-.0001	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0050**	**.0032**	**.0023**	**-.0000**	**.0024**	**-.0028**	**-.0009**	**.0194**	**.0144**
Stddev	.0001	.0001	.0006	.0007	.0005	.0009	.0015	.0026	.0004
%RSD	1.566	2.500	25.31	3347.	19.81	30.59	174.4	13.37	2.607
#1	.0050	.0032	.0027	-.0005	.0020	-.0022	.0002	.0176	.0142
#2	.0051	.0033	.0019	.0005	.0027	-.0035	-.0019	.0213	.0147

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0462**	**.0215**	**-.0178**	**.0024**	**.0003**	**.0009**	**-.0007**	**.0050**	**-.0004**
Stddev	.0002	.0007	.0192	.0002	.0002	.0000	.0014	.0002	.0003
%RSD	.4318	3.435	108.1	8.650	51.66	2.516	186.6	3.217	76.88
#1	.0461	.0220	-.0313	.0023	.0002	.0008	.0002	.0049	-.0002
#2	.0464	.0210	-.0042	.0026	.0004	.0009	-.0017	.0051	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0006**	**.0067**	**.0005**	**-.0011**	**.0153**	**-.0002**
Stddev	.0001	.0001	.0003	.0000	.0021	.0002	.0010
%RSD	101.2	24.76	4.014	1.206	189.3	1.370	463.4
#1	.0001	.0005	.0068	.0005	-.0026	.0152	.0005
#2	.0000	.0007	.0065	.0005	.0004	.0155	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67543.**	**9945.3**	**2513.7**	**3846.5**
Stddev	261.	3.8	1.6	3.9
%RSD	.38587	.03810	.06461	.10234
#1	67728.	9942.6	2512.6	3843.7
#2	67359.	9948.0	2514.9	3849.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 17:09:59 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**1.980**	**1.994**	**2.034**	**2.039**	**1.932**	**2.078**	**2.053**	**.2439**
Stddev	.008	.011	.006	.004	.026	.027	.024	.005	.0033
%RSD	.3743	.5308	.3074	.2215	1.295	1.389	1.134	.2649	1.346
#1	2.023	1.973	1.990	2.031	2.058	1.951	2.095	2.049	.2462
#2	2.033	1.988	1.998	2.037	2.021	1.914	2.061	2.057	.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	**2.021**	**2.017**	**1.998**	**2.094**	**2.058**	**2.012**	**2.003**	**38.61**	**39.20**
Stddev	.026	.007	.004	.009	.003	.004	.006	.19	.10
%RSD	1.303	.3308	.1842	.4126	.1503	.1877	.2926	.4810	.2625
#1	2.039	2.013	1.996	2.088	2.056	2.009	1.999	38.48	39.13
#2	2.002	2.022	2.001	2.100	2.060	2.014	2.007	38.75	39.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.87**	**39.29**	**38.78**	**40.00**	**2.032**	**2.039**	**1.930**	**5.049**	**2.040**
Stddev	.22	.17	.21	.19	.001	.004	.024	.016	.007
%RSD	.5540	.4418	.5360	.4869	.0703	.2026	1.263	.3080	.3423
#1	39.72	39.17	38.63	39.86	2.031	2.036	1.947	5.038	2.035
#2	40.03	39.41	38.92	40.14	2.033	2.042	1.913	5.060	2.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 17:09:59 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.044**	**1.969**	**2.034**	**1.944**	**2.004**	**1.936**
Stddev	.008	.025	.012	.027	.006	.004	.015
%RSD	.4138	1.221	.5999	1.307	.2863	.2206	.7923
#1	2.016	2.062	1.961	2.053	1.940	2.001	1.925
#2	2.028	2.027	1.978	2.015	1.948	2.007	1.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**64988.**	**9663.0**	**2440.7**	**3420.2**
Stddev	939.	41.1	3.8	2.5
%RSD	1.4449	.42539	.15747	.07170
#1	64324.	9692.1	2443.4	3421.9
#2	65652.	9634.0	2438.0	3418.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 17:15:48 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0007**	**-.0002**	**.0003**	**-.0000**	**-.0001**
Stddev	.0002	.0001	.0000	.0001	.0002	.0002	.0000	.0002	.0004
%RSD	150.0	35.75	6.194	43.19	25.51	145.9	3.770	2071.	322.5
#1	.0003	.0001	.0001	.0002	.0008	.0000	.0003	.0001	.0002
#2	-.0000	.0002	.0001	.0001	.0005	-.0003	.0003	-.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	**.0004**	**.0001**	**.0011**	**.0001**	**.0002**	**-.0009**	**.0007**	**-.0029**	**.0024**
Stddev	.0002	.0001	.0002	.0003	.0008	.0010	.0000	.0039	.0053
%RSD	51.61	62.76	22.72	372.6	348.7	107.7	5.162	137.4	220.9
#1	.0006	.0002	.0013	-.0001	.0008	-.0002	.0007	-.0001	-.0014
#2	.0003	.0001	.0009	.0003	-.0003	-.0016	.0007	-.0056	.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	**.0099**	**.0208**	**-.0143**	**.0038**	**.0014**	**.0008**	**-.0010**	**.0008**	**.0009**
Stddev	.0016	.0245	.0181	.0067	.0000	.0001	.0000	.0002	.0000
%RSD	16.24	117.8	126.7	176.8	.1465	16.41	1.967	23.67	5.320
#1	.0088	.0035	-.0271	-.0009	.0014	.0009	-.0010	.0006	.0008
#2	.0110	.0382	-.0015	.0085	.0014	.0007	-.0010	.0009	.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: 6/24/2014 17:15:48 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0101**	**.0012**	**-.0031**	**.0017**	**.0005**
Stddev	.0001	.0003	.0003	.0000	.0020	.0010	.0011
%RSD	57.66	156.8	3.311	1.237	65.12	58.85	252.4
#1	.0001	.0005	.0104	.0012	-.0017	.0010	.0013
#2	.0002	-.0000	.0099	.0012	-.0045	.0024	-.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	**67710.**	**9925.7**	**2617.7**	**3905.3**
Stddev	39.	28.0	8.7	5.9
%RSD	.05692	.28190	.33338	.15216
#1	67682.	9905.9	2611.5	3901.1
#2	67737.	9945.5	2623.8	3909.5

Zoom In Zoom Out

Sample Name: mp80244-mb1 2 Acquired: 6/24/2014 17:21:53 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**.0000**	**.0001**	**.0002**	**.0020**	**.0003**	**.0007**	**.0003**	**.0000**
Stddev	.0001	.0001	.0002	.0001	.0002	.0004	.0000	.0003	.0003
%RSD	17.63	824.8	264.5	48.09	9.350	118.4	1.710	73.96	9691.
#1	.0006	.0001	.0002	.0002	.0021	.0001	.0007	.0002	-.0002
#2	.0007	-.0001	-.0001	.0001	.0019	.0006	.0007	.0005	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0040**	**.0005**	**-.0004**	**-.0001**	**.0001**	**.0002**	**.0067**	**.1393**
Stddev	.0002	.0000	.0002	.0012	.0010	.0006	.0003	.0065	.0028
%RSD	159.5	.7997	47.11	302.6	1362.	1070.	125.0	97.61	2.036
#1	.0002	.0040	.0007	-.0013	.0007	-.0004	.0004	.0021	.1373
#2	-.0000	.0039	.0003	.0005	-.0008	.0005	.0000	.0113	.1413

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0460**	**.0221**	**.0341**	**.0191**	**.0016**	**.0006**	**-.0012**	**.0315**	**.0218**
Stddev	.0024	.0225	.0257	.0046	.0001	.0000	.0014	.0024	.0001
%RSD	5.180	102.0	75.32	23.86	6.332	2.234	122.1	7.624	.4099
#1	.0443	.0062	.0159	.0159	.0015	.0006	-.0002	.0298	.0219
#2	.0477	.0380	.0522	.0223	.0017	.0006	-.0022	.0332	.0218

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0005**	**.0081**	**.0016**	**.0104**	**.0007**	**.0003**
Stddev	.0000	.0001	.0010	.0000	.0017	.0001	.0003
%RSD	2.215	27.20	11.77	2.036	16.18	17.04	97.94
#1	.0003	.0006	.0088	.0016	.0116	.0008	.0001
#2	.0003	.0004	.0075	.0016	.0092	.0006	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67743.**	**10040.**	**2599.2**	**3911.3**
Stddev	138.	6.	3.3	6.5
%RSD	.20297	.05519	.12730	.16598
#1	67646.	10036.	2596.9	3906.7
#2	67841.	10044.	2601.6	3915.9

Zoom In Zoom Out

Sample Name: mp80244-b1 Acquired: 6/24/2014 17:27:57 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.067**	**.1022**	**.0989**	**1.009**	**.4184**	**.4780**	**1.048**	**1.018**	**.0993**
Stddev	.002	.0010	.0002	.003	.0009	.0003	.001	.003	.0004
%RSD	.0429	.9437	.1537	.2496	.2147	.0726	.1345	.2662	.4273
#1	4.066	.1015	.0990	1.011	.4190	.4782	1.047	1.020	.0996
#2	4.068	.1029	.0988	1.007	.4178	.4777	1.049	1.016	.0990

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.009**	**1.016**	**4.041**	**4.355**	**1.044**	**4.122**	**.9863**	**52.49**	**12.85**
Stddev	.001	.003	.010	.012	.004	.003	.0025	.22	.06
%RSD	.0583	.2537	.2574	.2671	.3814	.0755	.2510	.4280	.4299
#1	1.009	1.018	4.049	4.363	1.046	4.124	.9880	52.33	12.81
#2	1.010	1.014	4.034	4.347	1.041	4.120	.9845	52.65	12.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**53.40**	**13.12**	**12.67**	**13.06**	**.0018**	**.0014**	**.0024**	**.0340**	**.0149**
Stddev	.10	.05	.07	.03	.0000	.0002	.0005	.0005	.0000
%RSD	.1853	.3789	.5796	.2239	1.609	14.11	21.40	1.346	.2151
#1	53.33	13.08	12.62	13.04	.0018	.0015	.0028	.0344	.0148
#2	53.47	13.16	12.72	13.09	.0018	.0013	.0021	.0337	.0149

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0032**	**.0543**	**.0089**	**.0118**	**.0062**	**-.0008**
Stddev	.0001	.0003	.0000	.0005	.0018	.0009	.0007
%RSD	33.78	8.666	.0801	5.958	15.44	14.53	97.61
#1	.0002	.0034	.0542	.0093	.0131	.0056	-.0002
#2	.0003	.0030	.0543	.0086	.0105	.0069	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67094.**	**9806.3**	**2548.8**	**3644.9**
Stddev	117.	13.6	5.2	10.7
%RSD	.17464	.13899	.20355	.29457
#1	67011.	9796.6	2545.1	3637.3
#2	67176.	9815.9	2552.4	3652.5

Zoom In Zoom Out

Sample Name: mp80244-lc1 Acquired: 6/24/2014 17:33:49 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.875**	**1.433**	**1.655**	**.7907**	**1.283**	**.7226**	**5.990**	**3.611**	**.4817**
Stddev	.006	.001	.001	.0020	.002	.0050	.010	.005	.0008
%RSD	.1973	.0895	.0606	.2471	.1220	.6952	.1682	.1427	.1739
#1	2.879	1.433	1.656	.7893	1.282	.7190	5.982	3.607	.4811
#2	2.871	1.432	1.655	.7921	1.284	.7261	5.997	3.614	.4823

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.246**	**3.312**	**1.675**	**3.144**	**2.913**	**1.860**	**.8919**	**90.62**	**68.31**
Stddev	.002	.003	.004	.003	.005	.001	.0010	.02	.11
%RSD	.1554	.1014	.2631	.1005	.1750	.0557	.1103	.0251	.1642
#1	1.245	3.310	1.672	3.142	2.909	1.860	.8926	90.64	68.39
#2	1.247	3.315	1.678	3.146	2.916	1.859	.8912	90.61	68.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**128.5**	**38.42**	**32.60**	**8.139**	**1.260**	**.8752**	**-.0130**	**8.554**	**1.241**
Stddev	.2	.08	.04	.025	.002	.0006	.0012	.019	.003
%RSD	.1615	.2034	.1235	.3089	.1893	.0716	9.332	.2239	.2747
#1	128.6	38.37	32.63	8.157	1.258	.8748	-.0139	8.540	1.238
#2	128.3	38.48	32.57	8.122	1.262	.8757	-.0121	8.567	1.243

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.251**	**2.622**	**.0535**	**.0820**	**2.453**	**.0102**	**.0856**
Stddev	.001	.003	.0010	.0001	.001	.0007	.0008
%RSD	.1116	.1000	1.934	.1228	.0501	6.917	.9042
#1	1.252	2.620	.0528	.0819	2.454	.0107	.0851
#2	1.250	2.624	.0543	.0820	2.452	.0097	.0862

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69090.**	**10197.**	**2566.8**	**3477.4**
Stddev	54.	19.	3.5	1.7
%RSD	.07834	.18571	.13665	.04801
#1	69128.	10210.	2564.4	3476.2
#2	69052.	10183.	2569.3	3478.5

Zoom In Zoom Out

Sample Name: mp80244-s1 Acquired: 6/24/2014 17:39:42 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.612**	**.1016**	**.0948**	**1.016**	**.5451**	**.5587**	**3.493**	**1.078**	**.1042**
Stddev	.003	.0007	.0003	.000	.0057	.0059	.032	.000	.0004
%RSD	.0645	.6755	.3241	.0132	1.054	1.051	.9261	.0325	.3532
#1	4.610	.1011	.0950	1.016	.5492	.5629	3.516	1.077	.1045
#2	4.614	.1021	.0946	1.016	.5411	.5546	3.470	1.078	.1039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.205**	**1.385**	**3.867**	**4.053**	**1.272**	**3.902**	**.6421**	**112.3**	**67.62**
Stddev	.012	.000	.002	.006	.000	.006	.0010	.8	.44
%RSD	.9776	.0278	.0628	.1381	.0101	.1424	.1482	.6731	.6447
#1	1.213	1.385	3.869	4.057	1.272	3.898	.6428	111.7	67.32
#2	1.197	1.384	3.866	4.049	1.272	3.905	.6415	112.8	67.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**175.0**	**70.84**	**21.98**	**14.46**	**.0359**	**.0047**	**.0116**	**15.70**	**.4197**
Stddev	1.0	.48	.17	.06	.0001	.0000	.0011	.09	.0011
%RSD	.5526	.6810	.7938	.3808	.2871	.8549	9.282	.5635	.2634
#1	174.3	70.50	21.86	14.42	.0358	.0047	.0109	15.64	.4205
#2	175.7	71.18	22.10	14.50	.0359	.0048	.0124	15.77	.4189

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0646**	**5.974**	**.0607**	**.0339**	**1.876**	**.0213**	**.1723**
Stddev	.0003	.054	.0007	.0001	.006	.0001	.0001
%RSD	.4309	.9006	1.196	.2453	.2974	.6674	.0597
#1	.0644	6.013	.0612	.0339	1.880	.0212	.1722
#2	.0647	5.936	.0602	.0338	1.872	.0214	.1723

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	67982.	9974.3	2518.7	3438.2
Stddev	359.	75.6	.4	4.0
%RSD	.52841	.75807	.01590	.11695
#1	67728.	10028.	2519.0	3441.0
#2	68236.	9920.8	2518.4	3435.4

Zoom In Zoom Out

Sample Name: mp80244-s2 Acquired: 6/24/2014 17:45:32 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.459**	**.1015**	**.0953**	**1.010**	**.5180**	**.5455**	**3.185**	**1.062**	**.1025**
Stddev	.005	.0008	.0006	.004	.0012	.0013	.001	.004	.0013
%RSD	.1105	.8076	.5956	.4352	.2320	.2383	.0172	.4049	1.274
#1	4.462	.1009	.0957	1.013	.5188	.5464	3.185	1.065	.1015
#2	4.455	.1020	.0949	1.007	.5171	.5446	3.186	1.059	.1034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.162**	**1.323**	**3.887**	**4.096**	**1.655**	**3.940**	**.6098**	**99.84**	**73.70**
Stddev	.002	.005	.019	.018	.009	.014	.0027	.17	.38
%RSD	.1503	.3919	.4790	.4416	.5562	.3526	.4413	.1686	.5138
#1	1.164	1.327	3.900	4.109	1.662	3.950	.6117	99.72	73.43
#2	1.161	1.319	3.874	4.083	1.649	3.931	.6079	99.96	73.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**150.7**	**57.19**	**20.35**	**14.55**	**.0332**	**.0041**	**.0123**	**17.52**	**.0446**
Stddev	.7	.44	.05	.03	.0001	.0002	.0020	.05	.0000
%RSD	.4538	.7780	.2523	.2056	.4134	4.237	16.56	.2749	.0159
#1	150.3	56.87	20.38	14.58	.0331	.0042	.0137	17.56	.0446
#2	151.2	57.50	20.31	14.53	.0333	.0040	.0108	17.49	.0446

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0690**	**5.173**	**.0603**	**.0298**	**.9938**	**.0165**	**.1303**
Stddev	.0001	.007	.0002	.0012	.0097	.0001	.0007
%RSD	.1134	.1457	.3513	3.866	.9730	.5397	.5194
#1	.0691	5.178	.0604	.0290	1.001	.0166	.1308
#2	.0690	5.168	.0601	.0306	.9869	.0164	.1298

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	68271.	9963.5	2530.2	3458.5
Stddev	28.	58.7	10.6	14.3
%RSD	.04103	.58940	.42089	.41364
#1	68291.	10005.	2522.6	3448.4
#2	68251.	9922.0	2537.7	3468.6

Zoom In Zoom Out

Sample Name: jb69534-1 Acquired: 6/24/2014 17:51:23 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6873**	**.0069**	**.0013**	**.0599**	**.1704**	**.1188**	**2.782**	**.1133**	**.0111**
Stddev	.0053	.0000	.0002	.0004	.0006	.0010	.008	.0006	.0000
%RSD	.7649	.6223	13.83	.6606	.3530	.8220	.2736	.5167	.1173
#1	.6910	.0069	.0014	.0602	.1700	.1181	2.788	.1129	.0111
#2	.6836	.0069	.0011	.0596	.1709	.1195	2.777	.1137	.0111

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3009**	**.4450**	**.0250**	**.0079**	**.5125**	**.0123**	**.0017**	**63.06**	**67.34**
Stddev	.0001	.0005	.0002	.0008	.0007	.0020	.0003	.43	.41
%RSD	.0334	.1072	.6334	10.65	.1298	15.97	19.85	.6781	.6093
#1	.3009	.4447	.0251	.0073	.5120	.0137	.0014	63.36	67.63
#2	.3008	.4453	.0248	.0085	.5129	.0109	.0019	62.76	67.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**139.6**	**60.31**	**10.13**	**2.395**	**.0422**	**.0036**	**.0134**	**21.70**	**.0728**
Stddev	1.0	.31	.10	.030	.0005	.0003	.0013	.10	.0002
%RSD	.6850	.5182	1.031	1.262	1.228	9.215	9.459	.4477	.3031
#1	140.3	60.54	10.21	2.416	.0426	.0038	.0125	21.77	.0730
#2	138.9	60.09	10.06	2.373	.0419	.0034	.0143	21.63	.0726

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0638**	**6.349**	**.0183**	**.0270**	**.9065**	**.0144**	**.1696**
Stddev	.0003	.009	.0013	.0000	.0007	.0001	.0017
%RSD	.4766	.1436	7.082	.1004	.0740	.3559	.9735
#1	.0640	6.356	.0174	.0270	.9070	.0144	.1707
#2	.0636	6.343	.0192	.0270	.9061	.0144	.1684

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	68638.	10035.	2553.1	3496.3
Stddev	123.	101.	5.7	5.5
%RSD	.17949	1.0046	.22491	.15739
#1	68725.	9963.5	2557.2	3500.2
#2	68551.	10106.	2549.1	3492.5

Zoom In Zoom Out

Sample Name: mp80244-sd1 Acquired: 6/24/2014 17:57:19 Type: Unk
Method: Accutest1(v9) 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	**.7128**	**.0072**	**.0009**	**.0611**	**.1834**	**.1171**	**3.012**	**.1155**	**.0139**
Stddev	.0021	.0001	.0002	.0010	.0002	.0015	.005	.0010	.0008
%RSD	.2999	1.288	20.40	1.650	.0889	1.324	.1539	.8345	5.746
#1	.7143	.0073	.0011	.0604	.1836	.1160	3.008	.1162	.0134
#2	.7113	.0071	.0008	.0618	.1833	.1182	3.015	.1149	.0145

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3181**	**.4906**	**.0302**	**.0102**	**.5327**	**.0082**	**.0027**	**65.15**	**71.54**
Stddev	.0008	.0013	.0009	.0025	.0035	.0020	.0001	.13	.24
%RSD	.2448	.2737	2.933	24.83	.6572	24.77	2.503	.2003	.3310
#1	.3186	.4916	.0308	.0084	.5302	.0067	.0026	65.25	71.71
#2	.3175	.4897	.0296	.0120	.5352	.0096	.0027	65.06	71.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**152.1**	**63.01**	**10.30**	**2.426**	**.0452**	**.0102**	**.0143**	**22.13**	**.0800**
Stddev	.1	.19	.09	.013	.0013	.0001	.0068	.38	.0001
%RSD	.0667	.3016	.8375	.5445	2.797	1.377	47.25	1.723	.1189
#1	152.2	63.14	10.36	2.417	.0443	.0101	.0191	22.40	.0799
#2	152.0	62.87	10.24	2.435	.0460	.0103	.0095	21.86	.0800

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0662**	**6.637**	**.0228**	**.0258**	**.9391**	**.0164**	**.1708**
Stddev	.0000	.013	.0023	.0025	.0092	.0064	.0047
%RSD	.0747	.1997	9.939	9.560	.9803	38.89	2.779
#1	.0662	6.647	.0212	.0276	.9456	.0119	.1742
#2	.0661	6.628	.0244	.0241	.9326	.0209	.1675

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	68009.	9820.1	2610.7	3725.6
Stddev	93.	16.5	9.1	12.0
%RSD	.13675	.16804	.34691	.32217
#1	68075.	9808.5	2604.3	3717.1
#2	67943.	9831.8	2617.1	3734.1

Zoom In Zoom Out

Sample Name: jb69466-1 Acquired: 6/24/2014 18:03:19 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4670**	**.0055**	**.0015**	**.1196**	**.1443**	**.2788**	**2.616**	**.1949**	**.0164**
Stddev	.0032	.0002	.0003	.0018	.0004	.0011	.015	.0016	.0008
%RSD	.6909	3.524	17.52	1.523	.2772	.3942	.5822	.8454	4.900
#1	.4647	.0056	.0017	.1209	.1440	.2781	2.605	.1960	.0159
#2	.4693	.0054	.0013	.1183	.1445	.2796	2.626	.1937	.0170

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2654**	**.6025**	**.0269**	**-.0054**	**.1966**	**.0011**	**-.0005**	**136.4**	**667.4**
Stddev	.0008	.0079	.0015	.0016	.0016	.0022	.0005	.8	.0
%RSD	.2910	1.315	5.512	28.82	.8099	198.7	103.0	.5914	.0037
#1	.2648	.6081	.0258	-.0065	.1978	-.0004	-.0001	135.8	667.4
#2	.2659	.5969	.0279	-.0043	.1955	.0027	-.0009	137.0	667.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**177.7**	**71.43**	**14.42**	**17.38**	**.1413**	**.0015**	**-.0321**	**1.932**	**.0284**
Stddev	1.0	.24	.07	.10	.0027	.0003	.0018	.028	.0001
%RSD	.5813	.3409	.4831	.5661	1.881	16.87	5.597	1.430	.2286
#1	177.0	71.26	14.37	17.31	.1432	.0017	-.0308	1.952	.0284
#2	178.5	71.60	14.47	17.45	.1394	.0014	-.0333	1.913	.0284

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.621**	**8.054**	**.0566**	**.1528**	**13.74**	**.0267**	**.2707**
Stddev	.030	.034	.0018	.0013	.16	.0001	.0003
%RSD	.6521	.4177	3.161	.8239	1.168	.5570	.1271
#1	4.600	8.031	.0578	.1519	13.86	.0266	.2704
#2	4.642	8.078	.0553	.1536	13.63	.0268	.2709

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**64236.**	**9642.8**	**2347.8**	**3071.4**
Stddev	262.	46.4	22.4	25.9
%RSD	.40851	.48082	.95463	.84178
#1	64422.	9675.6	2331.9	3053.1
#2	64051.	9610.0	2363.6	3089.7

Zoom In Zoom Out

Sample Name: mp80261-b1 3 Acquired: 6/24/2014 18:10:13 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.061**	**.0513**	**.0500**	**.5132**	**.2177**	**.2541**	**.5453**	**.5197**	**.0487**
Stddev	.001	.0004	.0003	.0008	.0004	.0015	.0033	.0026	.0009
%RSD	.0645	.8175	.5219	.1587	.1972	.5871	.6075	.4924	1.754
#1	2.062	.0516	.0502	.5126	.2174	.2530	.5430	.5179	.0481
#2	2.060	.0510	.0498	.5137	.2181	.2551	.5476	.5215	.0493

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5190**	**.5244**	**2.010**	**2.326**	**2.181**	**2.020**	**.4973**	**1.999**	**.0260**
Stddev	.0012	.0008	.007	.009	.004	.001	.0025	.017	.0013
%RSD	.2372	.1483	.3561	.3946	.2030	.0688	.5010	.8604	5.092
#1	.5181	.5239	2.005	2.319	2.178	2.019	.4955	2.011	.0269
#2	.5198	.5250	2.015	2.332	2.184	2.021	.4991	1.987	.0251

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.107**	**.0277**	**.0204**	**.0548**	**.0024**	**.0007**	**.0009**	**.2040**	**.0012**
Stddev	.005	.0112	.0100	.0016	.0000	.0001	.0000	.0012	.0006
%RSD	.4252	40.56	48.94	2.848	.6537	9.501	1.706	.6091	51.97
#1	1.110	.0197	.0275	.0537	.0024	.0007	.0010	.2031	.0008
#2	1.104	.0356	.0134	.0559	.0024	.0006	.0009	.2048	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0060**	**.0016**	**.0272**	**.0081**	**1.166**	**.0002**	**-.0005**
Stddev	.0001	.0000	.0002	.0004	.001	.0013	.0002
%RSD	2.226	1.291	.5716	5.243	.0732	711.0	34.60
#1	.0061	.0016	.0271	.0084	1.165	-.0007	-.0004
#2	.0059	.0016	.0273	.0078	1.167	.0011	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67380.**	**9872.4**	**2612.1**	**3861.2**
Stddev	458.	58.0	2.4	.3
%RSD	.67968	.58728	.09290	.00888
#1	67704.	9831.4	2613.8	3861.4
#2	67056.	9913.4	2610.4	3860.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 18:16:07 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.024**	**1.973**	**2.039**	**2.074**	**1.939**	**2.078**	**2.054**	**.2447**
Stddev	.002	.002	.010	.005	.001	.002	.001	.003	.0000
%RSD	.0846	.1118	.5149	.2592	.0350	.1080	.0434	.1622	.0183
#1	2.022	2.025	1.980	2.042	2.074	1.940	2.079	2.056	.2447
#2	2.019	2.022	1.966	2.035	2.075	1.937	2.078	2.052	.2446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.025**	**2.042**	**1.974**	**2.094**	**2.058**	**1.984**	**1.965**	**39.28**	**40.21**
Stddev	.000	.004	.002	.009	.003	.008	.013	.08	.05
%RSD	.0085	.2083	.1213	.4527	.1310	.4221	.6786	.2111	.1187
#1	2.025	2.045	1.976	2.100	2.060	1.990	1.975	39.34	40.24
#2	2.025	2.039	1.973	2.087	2.056	1.978	1.956	39.22	40.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.20**	**39.90**	**39.55**	**40.00**	**1.998**	**2.031**	**1.926**	**4.977**	**2.033**
Stddev	.08	.16	.12	.11	.011	.008	.001	.032	.009
%RSD	.1948	.3978	.2926	.2658	.5262	.4143	.0278	.6343	.4277
#1	40.26	40.02	39.64	40.08	2.006	2.037	1.926	5.000	2.039
#2	40.14	39.79	39.47	39.93	1.991	2.026	1.926	4.955	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 18:16:07 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.030**	**1.957**	**2.027**	**1.937**	**1.962**	**1.970**
Stddev	.001	.001	.003	.001	.013	.009	.006
%RSD	.0671	.0314	.1680	.0548	.6505	.4588	.3162
#1	2.034	2.031	1.960	2.027	1.946	1.968	1.974
#2	2.032	2.030	1.955	2.026	1.928	1.955	1.965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**65647.**	**9584.7**	**2494.2**	**3467.4**
Stddev	19.	12.4	9.3	8.4
%RSD	.02937	.12946	.37467	.24342
#1	65634.	9575.9	2487.6	3461.5
#2	65661.	9593.5	2500.8	3473.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 18:21:57 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0000**	**.0003**	**.0003**	**-.0001**	**.0003**	**.0001**	**-.0001**
Stddev	.0002	.0001	.0000	.0002	.0001	.0004	.0000	.0001	.0000
%RSD	57.06	22.42	122.5	57.54	23.98	341.8	8.058	94.59	.8847
#1	.0002	.0003	.0000	.0004	.0003	-.0004	.0003	.0000	-.0001
#2	.0005	.0002	.0001	.0002	.0004	.0002	.0003	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0002**	**.0008**	**.0002**	**.0008**	**.0007**	**.0009**	**.0043**	**.0023**
Stddev	.0001	.0001	.0008	.0001	.0007	.0012	.0014	.0034	.0016
%RSD	28.79	31.28	98.97	62.76	94.29	174.0	154.4	78.71	70.43
#1	.0004	.0001	.0002	.0003	.0003	-.0002	.0018	.0066	.0034
#2	.0006	.0002	.0013	.0001	.0013	.0015	-.0001	.0019	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0112**	**.0365**	**.0142**	**.0019**	**.0014**	**.0010**	**-.0000**	**.0016**	**.0007**
Stddev	.0001	.0201	.0027	.0023	.0004	.0002	.0009	.0003	.0003
%RSD	1.111	55.03	19.17	123.2	30.14	16.54	4754.	18.25	45.18
#1	.0113	.0507	.0161	.0035	.0017	.0012	-.0006	.0019	.0009
#2	.0111	.0223	.0123	.0002	.0011	.0009	.0006	.0014	.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: 6/24/2014 18:21:57 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0090**	**.0008**	**-.0019**	**.0000**	**.0008**
Stddev	.0001	.0001	.0006	.0003	.0026	.0004	.0004
%RSD	38.79	87.03	6.777	32.95	141.1	5209.	54.45
#1	.0002	.0003	.0094	.0010	-.0038	-.0002	.0011
#2	.0003	.0001	.0085	.0006	-.0000	.0003	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68373.**	**9852.1**	**2633.7**	**3899.7**
Stddev	684.	34.8	6.0	12.5
%RSD	1.0005	.35305	.22853	.32060
#1	68857.	9876.7	2637.9	3908.5
#2	67890.	9827.5	2629.4	3890.9

Zoom In Zoom Out

Sample Name: mp80261-mb1 3 Acquired: 6/24/2014 18:28:04 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0061**	**.0001**	**.0000**	**.0002**	**.0004**	**.0012**	**.0047**	**.0015**	**.0003**
Stddev	.0000	.0000	.0001	.0001	.0003	.0001	.0000	.0000	.0002
%RSD	.2998	36.00	1039.	26.78	75.33	6.872	.0863	2.775	83.09
#1	.0061	.0001	.0001	.0002	.0002	.0012	.0047	.0015	.0004
#2	.0062	.0001	-.0001	.0002	.0006	.0013	.0047	.0015	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0072**	**.0000**	**-.0003**	**.0068**	**-.0009**	**.0004**	**.0195**	**.1833**
Stddev	.0001	.0001	.0001	.0009	.0001	.0021	.0007	.0018	.0023
%RSD	99.23	1.117	402.3	347.2	.8434	250.4	171.3	9.266	1.258
#1	.0002	.0072	-.0001	-.0009	.0069	-.0024	.0008	.0183	.1849
#2	.0000	.0071	.0001	.0004	.0068	.0007	-.0001	.0208	.1816

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0510**	**.0489**	**-.0097**	**.1318**	**.0030**	**.0004**	**.0003**	**.5365**	**.0008**
Stddev	.0011	.0056	.0134	.0003	.0003	.0001	.0002	.0016	.0002
%RSD	2.227	11.39	137.5	.2604	10.12	30.89	72.94	.3035	26.60
#1	.0502	.0528	-.0003	.1321	.0028	.0004	.0005	.5377	.0007
#2	.0518	.0449	-.0192	.1316	.0032	.0003	.0002	.5354	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0142**	**.0003**	**.0105**	**.0006**	**1.345**	**-.0001**	**.0008**
Stddev	.0000	.0004	.0014	.0001	.004	.0001	.0004
%RSD	.0383	137.7	13.18	13.11	.3253	67.62	51.71
#1	.0142	.0005	.0115	.0007	1.348	-.0001	.0005
#2	.0142	.0000	.0095	.0005	1.342	-.0002	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67802.**	**9810.1**	**2629.1**	**3954.4**
Stddev	245.	70.7	3.2	7.2
%RSD	.36147	.72042	.12271	.18168
#1	67629.	9760.1	2626.8	3949.3
#2	67976.	9860.1	2631.4	3959.4

Zoom In Zoom Out

Sample Name: mp80261-s1 Acquired: 6/24/2014 18:34:06 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.147**	**.0545**	**.0526**	**.5352**	**.2331**	**.2600**	**.5656**	**.5348**	**.0509**
Stddev	.003	.0001	.0002	.0000	.0006	.0011	.0010	.0003	.0002
%RSD	.1525	.1321	.4230	.0003	.2538	.4328	.1773	.0643	.3005
#1	2.145	.0544	.0527	.5352	.2335	.2592	.5663	.5351	.0507
#2	2.149	.0545	.0524	.5352	.2327	.2608	.5649	.5346	.0510

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5605**	**.5577**	**2.148**	**2.374**	**2.222**	**2.122**	**.5298**	**2.511**	**22.81**
Stddev	.0000	.0000	.011	.010	.005	.007	.0039	.003	.04
%RSD	.0043	.0052	.5049	.4167	.2110	.3179	.7290	.1079	.1949
#1	.5605	.5577	2.156	2.381	2.225	2.127	.5325	2.512	22.84
#2	.5605	.5577	2.141	2.367	2.219	2.117	.5270	2.509	22.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.460**	**.6895**	**1.412**	**11.05**	**.0925**	**.0043**	**.0101**	**8.543**	**.0000**
Stddev	.007	.0063	.006	.00	.0008	.0000	.0014	.029	.0008
%RSD	.4761	.9150	.3949	.0070	.8443	.1860	13.67	.3438	2266.
#1	1.455	.6851	1.408	11.05	.0930	.0043	.0092	8.564	-.0006
#2	1.465	.6940	1.416	11.05	.0919	.0043	.0111	8.522	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1074**	**.0174**	**.0372**	**-.0002**	**6.586**	**.0019**	**.0015**
Stddev	.0002	.0001	.0005	.0006	.010	.0002	.0006
%RSD	.1781	.4478	1.221	382.5	.1528	11.26	38.67
#1	.1073	.0173	.0369	.0003	6.593	.0020	.0020
#2	.1075	.0174	.0376	-.0006	6.578	.0017	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67366.**	**9770.1**	**2583.8**	**3770.2**
Stddev	121.	29.7	3.2	1.7
%RSD	.18034	.30366	.12483	.04470
#1	67280.	9749.1	2581.5	3769.1
#2	67452.	9791.0	2586.1	3771.4

Zoom In Zoom Out

Sample Name: mp80261-s2 Acquired: 6/24/2014 18:39:59 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.083**	**.0529**	**.0510**	**.5206**	**.2258**	**.2519**	**.5503**	**.5195**	**.0488**
Stddev	.001	.0003	.0000	.0008	.0015	.0015	.0005	.0009	.0010
%RSD	.0426	.5163	.0737	.1559	.6742	.6144	.0901	.1703	2.102
#1	2.082	.0527	.0510	.5200	.2268	.2508	.5506	.5189	.0481
#2	2.084	.0531	.0511	.5212	.2247	.2530	.5499	.5202	.0496

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5440**	**.5413**	**2.085**	**2.305**	**2.179**	**2.060**	**.5148**	**2.448**	**22.23**
Stddev	.0014	.0002	.002	.001	.003	.003	.0005	.004	.02
%RSD	.2492	.0338	.1108	.0568	.1566	.1625	.0991	.1516	.0696
#1	.5450	.5411	2.084	2.304	2.177	2.058	.5145	2.446	22.22
#2	.5430	.5414	2.087	2.306	2.181	2.063	.5152	2.451	22.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.425**	**.6985**	**1.400**	**10.81**	**.0916**	**.0040**	**.0103**	**8.365**	**-.0002**
Stddev	.001	.0208	.016	.03	.0004	.0002	.0005	.009	.0001
%RSD	.0694	2.972	1.129	.2650	.4001	4.849	5.161	.1048	38.07
#1	1.425	.6838	1.411	10.83	.0914	.0041	.0106	8.359	-.0002
#2	1.424	.7132	1.389	10.79	.0919	.0039	.0099	8.371	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1048**	**.0165**	**.0336**	**-.0042**	**6.440**	**.0024**	**.0017**
Stddev	.0000	.0006	.0005	.0003	.003	.0004	.0011
%RSD	.0066	3.487	1.602	7.674	.0428	16.96	65.29
#1	.1048	.0169	.0340	-.0040	6.438	.0021	.0009
#2	.1048	.0161	.0332	-.0044	6.441	.0027	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67538.**	**9764.9**	**2575.3**	**3764.6**
Stddev	114.	40.2	2.3	2.5
%RSD	.16828	.41129	.08780	.06698
#1	67457.	9793.3	2573.7	3762.9
#2	67618.	9736.5	2576.9	3766.4

Zoom In Zoom Out

Sample Name: jb68725-3t Acquired: 6/24/2014 18:45:50 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0171**	**.0001**	**.0006**	**-.0001**	**.0081**	**.0033**	**.0031**	**.0013**	**-.0002**
Stddev	.0002	.0001	.0000	.0000	.0003	.0002	.0000	.0001	.0003
%RSD	.9638	51.71	.8713	34.78	3.535	4.591	.3349	5.965	115.7
#1	.0172	.0001	.0006	-.0001	.0079	.0032	.0031	.0014	-.0000
#2	.0170	.0001	.0006	-.0001	.0083	.0035	.0031	.0013	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0176**	**.0104**	**.0052**	**.0009**	**.0078**	**.0030**	**.0007**	**.4249**	**22.75**
Stddev	.0001	.0002	.0002	.0005	.0009	.0017	.0007	.0018	.07
%RSD	.3500	2.221	4.170	56.09	11.96	57.20	109.3	.4305	.3277
#1	.0176	.0106	.0051	.0006	.0072	.0042	.0012	.4236	22.81
#2	.0175	.0103	.0054	.0013	.0085	.0018	.0002	.4262	22.70

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3331**	**.6850**	**1.407**	**10.98**	**.0930**	**.0036**	**.0084**	**8.349**	**-.0007**
Stddev	.0049	.0027	.011	.04	.0001	.0003	.0015	.012	.0002
%RSD	1.471	.3920	.7768	.3572	.1558	8.448	18.33	.1490	35.79
#1	.3296	.6869	1.415	10.95	.0929	.0033	.0073	8.340	-.0009
#2	.3366	.6831	1.399	11.00	.0931	.0038	.0095	8.357	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1074**	**.0157**	**.0090**	**-.0068**	**6.649**	**.0057**	**.0007**
Stddev	.0001	.0001	.0005	.0001	.010	.0009	.0016
%RSD	.0634	.8295	5.708	1.386	.1535	15.23	210.8
#1	.1073	.0158	.0093	-.0067	6.642	.0051	.0019
#2	.1074	.0156	.0086	-.0069	6.656	.0063	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67287.**	**9804.9**	**2569.0**	**3840.2**
Stddev	126.	39.5	.7	.5
%RSD	.18783	.40298	.02665	.01340
#1	67377.	9777.0	2568.5	3839.9
#2	67198.	9832.8	2569.5	3840.6

Zoom In Zoom Out

Sample Name: mp80261-sd1 Acquired: 6/24/2014 18:51:50 Type: Unk
Method: Accutest1(v9) 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	**.0179**	**-.0001**	**-.0004**	**-.0000**	**.0082**	**.0014**	**.0034**	**.0042**	**.0012**
Stddev	.0008	.0004	.0003	.0004	.0009	.0005	.0002	.0011	.0013
%RSD	4.544	561.4	70.14	1084.	11.52	36.51	7.199	26.40	107.7
#1	.0173	.0002	-.0007	-.0003	.0076	.0018	.0032	.0034	.0003
#2	.0185	-.0003	-.0002	.0003	.0089	.0011	.0036	.0050	.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0174**	**.0154**	**.0058**	**.0043**	**.0128**	**.0051**	**.0002**	**.4237**	**23.17**
Stddev	.0009	.0003	.0017	.0017	.0066	.0183	.0010	.0354	.22
%RSD	4.934	1.811	29.56	38.62	51.56	355.5	532.3	8.352	.9587
#1	.0168	.0152	.0070	.0031	.0081	.0181	-.0005	.4487	23.02
#2	.0180	.0156	.0046	.0055	.0174	-.0078	.0009	.3986	23.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3428**	**.8198**	**1.297**	**10.92**	**.0919**	**.0037**	**.0062**	**8.219**	**.0002**
Stddev	.0197	.0114	.020	.16	.0007	.0006	.0007	.037	.0007
%RSD	5.734	1.389	1.516	1.437	.7528	15.11	10.62	.4495	318.9
#1	.3289	.8118	1.311	10.81	.0924	.0033	.0057	8.245	-.0003
#2	.3567	.8279	1.284	11.03	.0914	.0041	.0066	8.193	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1067**	**.0143**	**.0073**	**-.0065**	**6.476**	**.0070**	**.0008**
Stddev	.0022	.0001	.0023	.0005	.036	.0073	.0024
%RSD	2.085	.5284	31.97	8.394	.5528	104.7	283.1
#1	.1052	.0143	.0090	-.0062	6.502	.0121	.0025
#2	.1083	.0142	.0057	-.0069	6.451	.0018	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68396.**	**9763.8**	**2624.3**	**3920.5**
Stddev	554.	83.9	7.0	13.3
%RSD	.80935	.85887	.26575	.33806
#1	68787.	9823.0	2619.4	3911.1
#2	68004.	9704.5	2629.2	3929.9

Zoom In Zoom Out

Sample Name: jb67929-1t Acquired: 6/24/2014 18:57:51 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1238**	**.0008**	**.0411**	**.0056**	**.1405**	**.0623**	**.3553**	**.0229**	**.0022**
Stddev	.0006	.0001	.0001	.0001	.0006	.0004	.0014	.0002	.0002
%RSD	.5039	16.23	.1315	1.322	.4426	.6823	.3842	.8954	8.051
#1	.1243	.0007	.0412	.0056	.1400	.0626	.3563	.0227	.0023
#2	.1234	.0009	.0411	.0057	.1409	.0620	.3543	.0230	.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0463**	**1.258**	**.0334**	**.0038**	**.1891**	**.0110**	**.0079**	**25.56**	**8.984**
Stddev	.0003	.003	.0007	.0011	.0001	.0012	.0010	.05	.013
%RSD	.6498	.2642	2.143	28.02	.0583	11.03	12.39	.2011	.1439
#1	.0465	1.255	.0329	.0045	.1892	.0119	.0072	25.60	8.993
#2	.0461	1.260	.0339	.0030	.1890	.0102	.0086	25.53	8.974

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.14**	**2.856**	**2.126**	**24.64**	**.2571**	**.0053**	**.0274**	**28.62**	**.0034**
Stddev	.04	.019	.007	.02	.0004	.0002	.0009	.02	.0003
%RSD	.1451	.6810	.3271	.0637	.1561	4.069	3.428	.0862	7.672
#1	24.17	2.842	2.131	24.63	.2574	.0051	.0280	28.60	.0032
#2	24.12	2.870	2.121	24.65	.2568	.0054	.0267	28.64	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0389**	**.6043**	**.0272**	**-.0191**	**3.139**	**.0001**	**.0123**
Stddev	.0001	.0017	.0002	.0002	.001	.0006	.0006
%RSD	.2819	.2764	.5607	.8815	.0309	402.2	5.212
#1	.0388	.6055	.0271	-.0193	3.139	.0005	.0119
#2	.0390	.6031	.0273	-.0190	3.140	-.0003	.0128

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67640.**	**9817.1**	**2587.6**	**3730.3**
Stddev	47.	2.2	6.3	9.0
%RSD	.07015	.02287	.24320	.24243
#1	67607.	9815.5	2592.1	3736.7
#2	67674.	9818.7	2583.2	3724.0

Zoom In Zoom Out

Sample Name: jb68725-4t Acquired: 6/24/2014 19:03:47 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0252**	**.0001**	**.0017**	**.0001**	**.0181**	**.0061**	**.0108**	**.0032**	**.0002**
Stddev	.0000	.0000	.0000	.0000	.0003	.0004	.0000	.0000	.0002
%RSD	.0745	26.09	1.444	24.01	1.720	6.651	.1635	.2721	85.72
#1	.0252	.0001	.0018	.0001	.0183	.0064	.0108	.0032	.0001
#2	.0252	.0001	.0017	.0001	.0179	.0058	.0107	.0032	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0068**	**.0486**	**.0041**	**-.0008**	**.0271**	**.0037**	**.0010**	**1.411**	**13.80**
Stddev	.0001	.0001	.0000	.0008	.0011	.0003	.0002	.000	.03
%RSD	1.759	.2759	1.013	107.5	3.908	7.447	15.39	.0136	.2052
#1	.0067	.0487	.0041	-.0014	.0264	.0035	.0011	1.411	13.78
#2	.0069	.0485	.0040	-.0002	.0279	.0038	.0009	1.411	13.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.242**	**1.008**	**1.074**	**19.28**	**.1303**	**.0039**	**.0063**	**5.692**	**.0004**
Stddev	.003	.023	.021	.02	.0001	.0001	.0003	.001	.0003
%RSD	.2187	2.259	1.991	.0971	.0853	3.830	4.727	.0186	72.40
#1	1.244	1.024	1.059	19.26	.1304	.0038	.0065	5.693	.0006
#2	1.240	.9920	1.089	19.29	.1302	.0040	.0061	5.691	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0644**	**.0428**	**.0054**	**-.0037**	**5.088**	**.0001**	**.0010**
Stddev	.0001	.0001	.0000	.0001	.003	.0001	.0009
%RSD	.1422	.2962	.3940	3.921	.0663	124.2	91.93
#1	.0643	.0427	.0054	-.0038	5.086	.0002	.0016
#2	.0645	.0429	.0054	-.0036	5.091	.0000	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67643.**	**9820.5**	**2583.4**	**3839.8**
Stddev	4.	18.2	2.9	6.9
%RSD	.00620	.18535	.11244	.18016
#1	67640.	9807.7	2585.5	3844.7
#2	67646.	9833.4	2581.3	3834.9

Zoom In Zoom Out

Sample Name: jb68725-6t Acquired: 6/24/2014 19:09:46 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0213**	**.0001**	**.0001**	**.0001**	**.0032**	**.0008**	**.0056**	**.0011**	**.0004**
Stddev	.0002	.0001	.0002	.0001	.0001	.0005	.0000	.0003	.0008
%RSD	1.039	115.7	139.1	116.1	4.049	66.00	.6222	29.35	186.1
#1	.0212	.0000	.0000	.0000	.0033	.0012	.0057	.0014	-.0001
#2	.0215	.0001	.0003	.0001	.0031	.0004	.0056	.0009	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0188**	**.0005**	**-.0024**	**.0077**	**-.0010**	**.0013**	**.5359**	**12.92**
Stddev	.0001	.0001	.0014	.0008	.0002	.0019	.0004	.0102	.11
%RSD	4.624	.4407	305.3	32.30	3.016	191.4	31.35	1.904	.8504
#1	.0012	.0187	.0015	-.0030	.0079	.0004	.0016	.5287	12.84
#2	.0011	.0189	-.0005	-.0019	.0076	-.0024	.0010	.5431	12.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3976**	**.7447**	**1.135**	**11.17**	**.1558**	**.0022**	**.0017**	**1.769**	**.0005**
Stddev	.0044	.0147	.018	.14	.0017	.0002	.0002	.014	.0006
%RSD	1.095	1.971	1.546	1.288	1.121	11.34	12.42	.8063	124.5
#1	.3946	.7344	1.122	11.07	.1570	.0024	.0018	1.779	.0001
#2	.4007	.7551	1.147	11.27	.1546	.0020	.0015	1.759	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0490**	**.0114**	**.0548**	**-.0011**	**3.251**	**-.0009**	**.0006**
Stddev	.0007	.0001	.0001	.0001	.022	.0013	.0001
%RSD	1.372	.7261	.1841	6.920	.6682	140.2	11.49
#1	.0486	.0114	.0549	-.0010	3.267	-.0000	.0007
#2	.0495	.0115	.0547	-.0011	3.236	-.0018	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67337.**	**9872.5**	**2604.7**	**3868.0**
Stddev	441.	42.4	8.5	8.6
%RSD	.65523	.42987	.32546	.22264
#1	67025.	9902.5	2598.7	3861.9
#2	67649.	9842.5	2610.7	3874.1

Zoom In Zoom Out

Sample Name: jb68725-7t Acquired: 6/24/2014 19:15:46 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0159**	**.0001**	**.0014**	**.0000**	**.0097**	**.0036**	**.0053**	**.0014**	**.0005**
Stddev	.0001	.0001	.0001	.0000	.0004	.0010	.0000	.0000	.0008
%RSD	.4332	173.6	6.387	137.3	4.029	27.56	.5037	.4298	187.2
#1	.0158	-.0000	.0013	.0000	.0094	.0029	.0053	.0014	-.0001
#2	.0159	.0001	.0015	.0000	.0099	.0043	.0053	.0014	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0149**	**.0177**	**.0049**	**-.0003**	**.0089**	**.0039**	**.0019**	**.9126**	**16.74**
Stddev	.0002	.0002	.0007	.0006	.0007	.0010	.0003	.0192	.04
%RSD	1.377	.8784	13.61	172.8	8.425	24.83	14.21	2.104	.2609
#1	.0151	.0176	.0045	.0001	.0084	.0046	.0021	.8990	16.71
#2	.0148	.0178	.0054	-.0007	.0094	.0032	.0017	.9261	16.77

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6494**	**.7226**	**1.360**	**16.51**	**.1076**	**.0055**	**.0066**	**6.412**	**-.0000**
Stddev	.0042	.0236	.010	.06	.0002	.0001	.0001	.005	.0004
%RSD	.6397	3.273	.7402	.3378	.1859	2.706	1.444	.0854	1435.
#1	.6465	.7059	1.367	16.48	.1075	.0056	.0065	6.408	-.0003
#2	.6523	.7393	1.353	16.55	.1078	.0054	.0067	6.416	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0677**	**.0318**	**.0065**	**-.0039**	**5.206**	**-.0001**	**.0009**
Stddev	.0002	.0000	.0008	.0000	.008	.0006	.0005
%RSD	.3531	.1063	12.91	.1555	.1616	453.3	57.52
#1	.0676	.0318	.0070	-.0039	5.200	-.0005	.0005
#2	.0679	.0318	.0059	-.0039	5.212	.0003	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67396.**	**9696.6**	**2575.4**	**3832.1**
Stddev	55.	17.5	.2	.1
%RSD	.08192	.18011	.00594	.00391
#1	67357.	9709.0	2575.3	3832.0
#2	67435.	9684.3	2575.5	3832.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 19:21:47 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.000**	**1.956**	**2.014**	**2.040**	**1.919**	**2.048**	**2.025**	**.2423**
Stddev	.002	.003	.013	.011	.003	.004	.000	.012	.0000
%RSD	.0894	.1358	.6819	.5482	.1317	.1893	.0088	.5681	.0206
#1	2.000	2.002	1.965	2.022	2.042	1.922	2.048	2.033	.2423
#2	1.998	1.998	1.946	2.007	2.038	1.917	2.048	2.017	.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	**1.998**	**2.022**	**1.951**	**2.063**	**2.030**	**1.957**	**1.947**	**39.02**	**39.83**
Stddev	.001	.013	.012	.014	.009	.014	.014	.03	.02
%RSD	.0427	.6378	.6035	.6790	.4262	.6923	.7237	.0773	.0457
#1	1.997	2.031	1.959	2.073	2.036	1.966	1.957	39.04	39.85
#2	1.999	2.013	1.942	2.053	2.024	1.947	1.937	39.00	39.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.85**	**39.48**	**39.22**	**39.56**	**1.975**	**2.006**	**1.924**	**4.930**	**2.020**
Stddev	.00	.03	.01	.02	.012	.010	.008	.032	.013
%RSD	.0098	.0764	.0138	.0568	.5988	.5059	.4158	.6573	.6381
#1	39.85	39.46	39.23	39.54	1.984	2.013	1.930	4.952	2.029
#2	39.84	39.50	39.22	39.58	1.967	1.999	1.918	4.907	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 19:21:47 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.013**	**2.001**	**1.929**	**1.996**	**1.915**	**1.947**	**1.950**
Stddev	.000	.003	.010	.000	.020	.010	.003
%RSD	.0142	.1438	.5063	.0036	1.041	.5337	.1346
#1	2.013	2.003	1.936	1.996	1.929	1.954	1.952
#2	2.013	1.999	1.922	1.996	1.901	1.939	1.948
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	**66361.**	**9633.2**	**2517.8**	**3512.1**
Stddev	76.	49.6	16.5	20.8
%RSD	.11449	.51520	.65623	.59164
#1	66415.	9668.3	2506.1	3497.4
#2	66307.	9598.1	2529.5	3526.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 19:27:37 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0003**	**.0005**	**-.0003**	**.0003**	**.0001**	**.0003**
Stddev	.0001	.0000	.0001	.0003	.0001	.0002	.0000	.0000	.0001
%RSD	21.41	32.69	741.8	98.03	17.97	81.46	.2436	41.48	49.70
#1	.0003	.0001	.0001	.0001	.0005	-.0004	.0003	.0001	.0002
#2	.0005	.0001	-.0001	.0005	.0004	-.0001	.0003	.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	**.0005**	**.0002**	**.0002**	**.0004**	**.0001**	**-.0011**	**-.0002**	**-.0013**	**.0018**
Stddev	.0001	.0001	.0003	.0001	.0001	.0003	.0002	.0016	.0011
%RSD	19.57	65.10	175.1	19.26	251.1	24.33	126.7	124.8	61.17
#1	.0005	.0003	-.0000	.0004	.0002	-.0009	-.0000	-.0024	.0010
#2	.0004	.0001	.0004	.0003	-.0000	-.0013	-.0003	-.0001	.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	**.0044**	**.0345**	**.0092**	**.0122**	**.0012**	**.0010**	**.0002**	**.0023**	**.0011**
Stddev	.0032	.0075	.0093	.0091	.0003	.0001	.0001	.0007	.0007
%RSD	72.48	21.90	101.7	74.15	27.88	10.26	38.75	31.82	70.82
#1	.0022	.0291	.0158	.0186	.0009	.0011	.0002	.0028	.0016
#2	.0067	.0398	.0026	.0058	.0014	.0010	.0003	.0018	.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: 6/24/2014 19:27:37 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0072**	**.0007**	**-.0024**	**.0017**	**-.0003**
Stddev	.0000	.0000	.0001	.0001	.0008	.0003	.0012
%RSD	.4119	9.916	1.787	12.42	33.05	18.20	440.6
#1	.0001	-.0001	.0073	.0008	-.0030	.0019	-.0011
#2	.0001	-.0001	.0071	.0007	-.0019	.0015	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67981.**	**9825.9**	**2617.1**	**3891.6**
Stddev	40.	.6	43.7	63.5
%RSD	.05829	.00637	1.6713	1.6324
#1	68009.	9825.4	2648.0	3936.6
#2	67953.	9826.3	2586.1	3846.7

Zoom In Zoom Out

Sample Name: jb68725-9t Acquired: 6/24/2014 19:33:42 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0328**	**.0001**	**.0017**	**.0003**	**.0068**	**.0034**	**.0150**	**.0020**	**.0006**
Stddev	.0000	.0000	.0000	.0000	.0002	.0001	.0001	.0001	.0006
%RSD	.0856	26.47	1.606	8.882	3.004	3.001	.6134	2.909	95.96
#1	.0328	.0002	.0017	.0003	.0069	.0033	.0150	.0020	.0002
#2	.0328	.0001	.0017	.0003	.0066	.0035	.0149	.0020	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0065**	**.0469**	**.0035**	**-.0006**	**.0181**	**.0031**	**.0038**	**1.767**	**11.24**
Stddev	.0000	.0000	.0011	.0003	.0002	.0006	.0015	.009	.00
%RSD	.6106	.0588	32.00	49.96	1.336	20.24	38.83	.5161	.0207
#1	.0065	.0469	.0043	-.0004	.0180	.0026	.0028	1.761	11.24
#2	.0065	.0469	.0027	-.0008	.0183	.0035	.0049	1.773	11.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.531**	**.7468**	**1.305**	**15.24**	**.1730**	**.0090**	**.0046**	**5.043**	**.0003**
Stddev	.005	.0063	.016	.00	.0003	.0002	.0010	.011	.0002
%RSD	.3369	.8421	1.211	.0173	.1571	2.524	22.47	.2099	48.57
#1	1.528	.7512	1.316	15.24	.1732	.0092	.0054	5.050	.0002
#2	1.535	.7423	1.294	15.24	.1728	.0089	.0039	5.035	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0481**	**.0501**	**.0108**	**-.0016**	**4.073**	**-.0000**	**.0023**
Stddev	.0001	.0008	.0003	.0002	.002	.0009	.0006
%RSD	.1985	1.535	3.174	12.90	.0579	6654.	25.97
#1	.0482	.0507	.0111	-.0018	4.075	-.0006	.0027
#2	.0480	.0496	.0106	-.0015	4.071	.0006	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67339.**	**9761.6**	**2595.1**	**3859.0**
Stddev	131.	36.8	1.8	1.0
%RSD	.19509	.37718	.07079	.02475
#1	67432.	9787.6	2596.4	3859.7
#2	67246.	9735.6	2593.8	3858.3

Zoom In Zoom Out

Sample Name: jb69466-2 2 Acquired: 6/24/2014 19:39:40 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3576**	**.0038**	**.0003**	**.0815**	**.0994**	**.2934**	**1.650**	**.1583**	**.0150**
Stddev	.0011	.0001	.0000	.0006	.0001	.0004	.004	.0008	.0008
%RSD	.3096	1.826	1.318	.7482	.0875	.1231	.2485	.5260	5.161
#1	.3584	.0037	.0003	.0810	.0995	.2932	1.647	.1577	.0145
#2	.3568	.0038	.0003	.0819	.0994	.2937	1.653	.1589	.0156

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2118**	**.1877**	**.0159**	**-.0010**	**.0233**	**.0003**	**.0008**	**117.3**	**517.7**
Stddev	.0009	.0002	.0002	.0022	.0008	.0012	.0007	.4	.9
%RSD	.4366	.0942	1.497	218.8	3.388	400.7	99.52	.3328	.1832
#1	.2112	.1876	.0161	.0005	.0228	-.0005	.0013	117.6	518.4
#2	.2125	.1879	.0157	-.0025	.0239	.0011	.0002	117.0	517.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**122.4**	**56.22**	**8.965**	**13.09**	**.0948**	**.0009**	**-.0260**	**1.743**	**.0249**
Stddev	.3	.04	.023	.02	.0001	.0002	.0002	.009	.0002
%RSD	.2454	.0777	.2534	.1606	.1303	18.31	.8637	.5086	.6345
#1	122.6	56.19	8.949	13.11	.0949	.0008	-.0259	1.736	.0248
#2	122.2	56.26	8.981	13.08	.0948	.0010	-.0262	1.749	.0250

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.272**	**6.813**	**-.0041**	**.1212**	**11.25**	**.0200**	**.1063**
Stddev	.012	.014	.0004	.0007	.06	.0009	.0010
%RSD	.3784	.2093	8.680	.6009	.5422	4.254	.9314
#1	3.281	6.803	-.0039	.1207	11.21	.0194	.1070
#2	3.263	6.823	-.0044	.1217	11.30	.0206	.1056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**64738.**	**9727.1**	**2374.9**	**3147.9**
Stddev	251.	50.5	10.2	9.9
%RSD	.38802	.51959	.43082	.31602
#1	64915.	9691.4	2382.1	3154.9
#2	64560.	9762.9	2367.7	3140.9

Zoom In Zoom Out

Sample Name: jb69466-3 Acquired: 6/24/2014 19:45:39 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5090**	**.0053**	**.0026**	**.0925**	**.1551**	**.1378**	**2.154**	**.1168**	**.0150**
Stddev	.0069	.0001	.0000	.0007	.0035	.0019	.040	.0001	.0005
%RSD	1.348	1.432	1.727	.7661	2.274	1.368	1.843	.0868	3.278
#1	.5042	.0053	.0026	.0930	.1526	.1365	2.126	.1167	.0153
#2	.5139	.0054	.0026	.0920	.1576	.1391	2.182	.1169	.0146

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2128**	**.2698**	**.0259**	**-.0078**	**.0283**	**.0001**	**.0007**	**111.7**	**830.2**
Stddev	.0039	.0005	.0003	.0009	.0022	.0010	.0010	1.8	15.2
%RSD	1.853	.1794	1.251	12.21	7.606	1067.	140.9	1.593	1.825
#1	.2100	.2702	.0262	-.0084	.0299	-.0006	.0000	110.4	819.5
#2	.2156	.2695	.0257	-.0071	.0268	.0008	.0014	112.9	840.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**135.8**	**66.26**	**14.75**	**7.992**	**.2569**	**-.0006**	**-.0325**	**2.542**	**.0233**
Stddev	2.4	1.24	.16	.103	.0014	.0001	.0008	.019	.0010
%RSD	1.793	1.869	1.099	1.290	.5603	9.416	2.379	.7605	4.327
#1	134.1	65.39	14.64	7.919	.2579	-.0005	-.0319	2.556	.0226
#2	137.5	67.14	14.87	8.065	.2558	-.0006	-.0330	2.528	.0240

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.718**	**5.411**	**.0380**	**.1502**	**20.84**	**.0224**	**.1890**
Stddev	.169	.105	.0019	.0027	.08	.0004	.0020
%RSD	2.952	1.939	5.126	1.820	.3788	1.777	1.033
#1	5.598	5.337	.0393	.1483	20.89	.0221	.1876
#2	5.837	5.485	.0366	.1521	20.78	.0227	.1904

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**64020.**	**9709.1**	**2329.0**	**3010.0**
Stddev	1151.	180.8	8.2	12.9
%RSD	1.7980	1.8623	.35367	.42722
#1	64834.	9837.0	2323.2	3000.9
#2	63206.	9581.3	2334.9	3019.0

Zoom In Zoom Out

Sample Name: jb69466-4 Acquired: 6/24/2014 19:51:43 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5859**	**.0060**	**.0015**	**.1092**	**.1530**	**.2269**	**2.227**	**.1580**	**.0195**
Stddev	.0012	.0000	.0000	.0009	.0001	.0001	.003	.0009	.0001
%RSD	.2098	.2756	1.543	.8607	.0472	.0438	.1110	.6009	.3375
#1	.5851	.0060	.0015	.1085	.1530	.2269	2.226	.1573	.0195
#2	.5868	.0059	.0015	.1099	.1529	.2270	2.229	.1587	.0194

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2661**	**.2681**	**.0313**	**-.0062**	**.0380**	**-.0001**	**.0014**	**142.2**	**884.2**
Stddev	.0004	.0021	.0004	.0003	.0001	.0000	.0002	.3	.2
%RSD	.1348	.7924	1.155	4.305	.2196	47.73	11.93	.2335	.0205
#1	.2658	.2666	.0316	-.0060	.0380	-.0001	.0013	142.4	884.3
#2	.2663	.2696	.0310	-.0064	.0381	-.0001	.0015	142.0	884.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**156.6**	**72.91**	**13.48**	**13.65**	**.1725**	**.0000**	**-.0355**	**5.673**	**.0271**
Stddev	.2	.08	.04	.05	.0015	.0003	.0011	.014	.0003
%RSD	.1521	.1159	.2626	.3714	.8945	654.2	3.059	.2398	1.264
#1	156.7	72.97	13.50	13.62	.1715	-.0002	-.0348	5.663	.0269
#2	156.4	72.85	13.45	13.69	.1736	.0003	-.0363	5.682	.0274

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.389**	**7.974**	**.0318**	**.1810**	**20.67**	**.0270**	**.1956**
Stddev	.153	.009	.0017	.0005	.15	.0002	.0009
%RSD	2.391	.1155	5.224	.2636	.7180	.6534	.4647
#1	6.497	7.968	.0307	.1807	20.57	.0269	.1949
#2	6.281	7.981	.0330	.1813	20.78	.0271	.1962

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63435.**	**9602.8**	**2300.2**	**2977.2**
Stddev	58.	38.5	15.0	17.4
%RSD	.09110	.40122	.65134	.58336
#1	63476.	9575.6	2310.8	2989.5
#2	63394.	9630.1	2289.6	2964.9

Zoom In Zoom Out

Sample Name: jb69498-1 Acquired: 6/24/2014 19:57:46 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6005**	**.0040**	**.0059**	**.0599**	**.4108**	**.3682**	**3.210**	**.1480**	**.0096**
Stddev	.0004	.0000	.0001	.0005	.0011	.0022	.009	.0008	.0003
%RSD	.0643	.0932	1.778	.7966	.2651	.5872	.2973	.5131	2.808
#1	.6008	.0040	.0058	.0603	.4116	.3666	3.217	.1485	.0098
#2	.6002	.0040	.0060	.0596	.4101	.3697	3.203	.1475	.0094

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2398**	**1.285**	**.0496**	**.0042**	**1.007**	**.0070**	**.0021**	**72.72**	**25.96**
Stddev	.0005	.005	.0007	.0002	.003	.0014	.0000	.07	.07
%RSD	.1954	.4316	1.398	5.479	.3174	20.57	.2755	.1017	.2696
#1	.2395	1.289	.0501	.0040	1.009	.0080	.0021	72.67	26.00
#2	.2402	1.281	.0491	.0043	1.005	.0060	.0021	72.78	25.91

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**142.1**	**29.12**	**5.615**	**2.544**	**.0390**	**.0045**	**-.0038**	**7.157**	**.0812**
Stddev	.2	.06	.032	.003	.0002	.0003	.0007	.041	.0010
%RSD	.1711	.1910	.5731	.0971	.4123	7.678	17.01	.5718	1.282
#1	142.2	29.16	5.638	2.542	.0391	.0042	-.0043	7.186	.0820
#2	141.9	29.08	5.592	2.545	.0389	.0047	-.0034	7.128	.0805

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1336**	**2.627**	**.0167**	**.0342**	**3.236**	**.0153**	**.0889**
Stddev	.0002	.004	.0008	.0011	.001	.0012	.0001
%RSD	.1726	.1708	4.812	3.162	.0295	7.553	.1090
#1	.1334	2.630	.0161	.0349	3.236	.0145	.0889
#2	.1337	2.623	.0173	.0334	3.235	.0162	.0888

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69524.**	**10219.**	**2622.8**	**3618.1**
Stddev	193.	16.	8.4	19.3
%RSD	.27788	.15383	.32132	.53213
#1	69661.	10208.	2616.8	3604.5
#2	69387.	10230.	2628.8	3631.7

Zoom In Zoom Out

Sample Name: jb69534-2 Acquired: 6/24/2014 20:03:40 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5972**	**.0070**	**.0008**	**.0669**	**.1904**	**.1485**	**3.130**	**.1180**	**.0146**
Stddev	.0031	.0000	.0001	.0006	.0011	.0008	.019	.0009	.0004
%RSD	.5241	.4632	6.570	.8602	.5893	.5549	.6106	.7610	2.546
#1	.5994	.0069	.0008	.0673	.1912	.1491	3.144	.1187	.0148
#2	.5950	.0070	.0009	.0665	.1896	.1479	3.117	.1174	.0143

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3331**	**.4454**	**.0228**	**.0061**	**.1200**	**.0076**	**.0001**	**68.50**	**77.56**
Stddev	.0027	.0042	.0013	.0015	.0008	.0009	.0017	.70	.33
%RSD	.8001	.9448	5.908	24.80	.6835	11.37	2454.	1.018	.4249
#1	.3350	.4483	.0237	.0071	.1205	.0082	-.0011	69.00	77.79
#2	.3312	.4424	.0218	.0050	.1194	.0070	.0012	68.01	77.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**153.6**	**68.57**	**10.59**	**2.144**	**.0425**	**.0026**	**.0048**	**13.57**	**.0287**
Stddev	.7	.11	.14	.022	.0006	.0003	.0001	.14	.0001
%RSD	.4654	.1610	1.278	1.023	1.472	11.64	2.845	1.066	.4908
#1	154.1	68.65	10.69	2.159	.0430	.0024	.0049	13.67	.0288
#2	153.1	68.50	10.50	2.128	.0421	.0028	.0047	13.47	.0286

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0512**	**6.808**	**.0100**	**.0334**	**2.674**	**.0163**	**.1959**
Stddev	.0005	.040	.0004	.0002	.013	.0001	.0052
%RSD	.9960	.5865	3.852	.4656	.5020	.6387	2.643
#1	.0516	6.836	.0103	.0335	2.684	.0162	.1996
#2	.0508	6.780	.0098	.0333	2.665	.0163	.1922

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68748.**	**9953.9**	**2540.7**	**3488.4**
Stddev	366.	39.3	13.7	24.8
%RSD	.53259	.39481	.53884	.71146
#1	68489.	9926.1	2531.1	3470.8
#2	69007.	9981.7	2550.4	3505.9

Zoom In Zoom Out

Sample Name: jb69534-3 Acquired: 6/24/2014 20:09:34 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7251**	**.0059**	**.0011**	**.0603**	**.1742**	**.0882**	**3.376**	**.1114**	**.0129**
Stddev	.0002	.0000	.0001	.0000	.0014	.0004	.006	.0004	.0003
%RSD	.0249	.1045	6.335	.0557	.7778	.4853	.1747	.3448	2.145
#1	.7249	.0059	.0010	.0603	.1732	.0885	3.372	.1117	.0127
#2	.7252	.0059	.0011	.0603	.1751	.0879	3.380	.1112	.0131

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2913**	**.5756**	**.0288**	**.0052**	**.4968**	**.0110**	**.0019**	**61.08**	**111.9**
Stddev	.0013	.0002	.0009	.0009	.0011	.0030	.0001	.23	.2
%RSD	.4444	.0387	3.300	16.64	.2136	27.32	6.925	.3847	.1491
#1	.2904	.5758	.0294	.0058	.4960	.0089	.0020	61.25	112.0
#2	.2922	.5755	.0281	.0046	.4975	.0131	.0018	60.92	111.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**132.9**	**56.87**	**9.714**	**2.317**	**.0368**	**.0031**	**.0080**	**18.10**	**.0424**
Stddev	.1	.12	.053	.010	.0005	.0001	.0010	.26	.0004
%RSD	.0666	.2161	.5489	.4272	1.308	1.931	13.05	1.411	.8902
#1	133.0	56.78	9.752	2.324	.0371	.0032	.0087	18.28	.0421
#2	132.8	56.96	9.677	2.310	.0365	.0031	.0072	17.92	.0427

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0662**	**5.956**	**.0078**	**.0278**	**1.145**	**.0141**	**.1795**
Stddev	.0002	.012	.0001	.0002	.002	.0008	.0017
%RSD	.2345	.2019	.9067	.8392	.1934	5.494	.9727
#1	.0663	5.947	.0079	.0280	1.143	.0136	.1808
#2	.0660	5.964	.0078	.0277	1.146	.0147	.1783

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67889.**	**9960.1**	**2523.2**	**3467.6**
Stddev	13.	9.8	.2	2.0
%RSD	.01883	.09858	.00968	.05734
#1	67898.	9953.2	2523.4	3466.2
#2	67880.	9967.1	2523.1	3469.1

Zoom In Zoom Out

Sample Name: jb69534-4 Acquired: 6/24/2014 20:15:29 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4950**	**.0053**	**.0010**	**.0556**	**.1653**	**.0958**	**2.613**	**.0995**	**.0118**
Stddev	.0005	.0000	.0000	.0000	.0001	.0001	.004	.0007	.0005
%RSD	.0916	.8688	4.746	.0303	.0393	.1362	.1562	.7009	3.905
#1	.4953	.0053	.0010	.0556	.1654	.0957	2.610	.1000	.0115
#2	.4947	.0052	.0009	.0556	.1653	.0959	2.616	.0990	.0121

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2918**	**.3765**	**.0181**	**.0049**	**.0671**	**.0097**	**.0010**	**55.43**	**60.28**
Stddev	.0008	.0003	.0005	.0009	.0005	.0022	.0002	.22	.07
%RSD	.2646	.0668	2.690	17.44	.7624	22.87	14.72	.3893	.1127
#1	.2913	.3766	.0185	.0043	.0667	.0113	.0009	55.58	60.33
#2	.2924	.3763	.0178	.0056	.0674	.0081	.0011	55.28	60.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**126.1**	**55.68**	**8.160**	**1.606**	**.0360**	**.0018**	**.0054**	**13.94**	**.0235**
Stddev	.1	.04	.045	.001	.0003	.0005	.0005	.45	.0003
%RSD	.0529	.0704	.5484	.0847	.8093	29.19	9.732	3.207	1.249
#1	126.2	55.66	8.192	1.607	.0358	.0022	.0050	14.25	.0233
#2	126.1	55.71	8.129	1.605	.0362	.0014	.0057	13.62	.0237

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0422**	**5.838**	**.0095**	**.0301**	**.5285**	**.0128**	**.1614**
Stddev	.0000	.006	.0007	.0006	.0004	.0005	.0015
%RSD	.0509	.0958	7.306	1.851	.0794	4.246	.9063
#1	.0422	5.834	.0100	.0297	.5282	.0132	.1625
#2	.0422	5.842	.0090	.0305	.5288	.0124	.1604

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67950.**	**9982.9**	**2550.4**	**3522.8**
Stddev	44.	28.8	2.1	4.1
%RSD	.06414	.28877	.08064	.11671
#1	67981.	9962.5	2549.0	3519.9
#2	67919.	10003.	2551.9	3525.7

Zoom In Zoom Out

Sample Name: jb69534-5 Acquired: 6/24/2014 20:21:25 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5969**	**.0065**	**.0013**	**.0698**	**.2011**	**.1308**	**3.087**	**.1260**	**.0143**
Stddev	.0000	.0000	.0000	.0004	.0007	.0009	.003	.0000	.0002
%RSD	.0080	.0246	3.290	.5375	.3238	.6569	.0986	.0262	1.392
#1	.5968	.0065	.0013	.0695	.2007	.1302	3.085	.1260	.0141
#2	.5969	.0065	.0012	.0700	.2016	.1314	3.089	.1260	.0144

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3369**	**.6826**	**.0234**	**.0064**	**.1694**	**.0091**	**-.0001**	**67.48**	**67.26**
Stddev	.0002	.0027	.0011	.0025	.0004	.0016	.0001	.02	.16
%RSD	.0728	.3985	4.639	39.65	.2513	17.68	195.9	.0359	.2372
#1	.3367	.6807	.0226	.0082	.1691	.0102	.0000	67.50	67.37
#2	.3371	.6846	.0242	.0046	.1697	.0080	-.0002	67.47	67.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**154.9**	**68.11**	**10.59**	**2.284**	**.0424**	**.0030**	**.0017**	**12.05**	**.0297**
Stddev	.4	.02	.01	.002	.0002	.0000	.0010	.05	.0003
%RSD	.2324	.0246	.1356	.0908	.4571	1.283	61.20	.4215	1.020
#1	155.1	68.10	10.58	2.282	.0425	.0029	.0024	12.08	.0294
#2	154.6	68.12	10.60	2.285	.0422	.0030	.0009	12.01	.0299

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0547**	**6.619**	**.0077**	**.0390**	**3.158**	**.0172**	**.2005**
Stddev	.0002	.004	.0000	.0001	.010	.0000	.0008
%RSD	.3499	.0612	.4847	.1473	.3039	.0150	.3821
#1	.0549	6.622	.0077	.0390	3.151	.0172	.2010
#2	.0546	6.616	.0077	.0390	3.165	.0172	.2000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68159.**	**9938.4**	**2528.7**	**3485.0**
Stddev	110.	58.1	4.3	3.1
%RSD	.16140	.58415	.16897	.08817
#1	68236.	9897.3	2531.8	3487.2
#2	68081.	9979.4	2525.7	3482.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 20:27:21 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.017**	**1.985**	**2.040**	**2.045**	**1.939**	**2.058**	**2.047**	**.2431**
Stddev	.017	.016	.002	.006	.001	.011	.005	.007	.0000
%RSD	.8357	.8088	.0764	.2945	.0499	.5739	.2538	.3452	.0181
#1	2.043	2.029	1.984	2.036	2.044	1.947	2.054	2.042	.2431
#2	2.019	2.006	1.986	2.044	2.046	1.931	2.062	2.052	.2430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.012**	**2.050**	**1.977**	**2.087**	**2.049**	**1.983**	**1.976**	**39.77**	**40.11**
Stddev	.005	.007	.003	.001	.003	.003	.000	.35	.36
%RSD	.2398	.3493	.1584	.0631	.1464	.1480	.0091	.8693	.8977
#1	2.009	2.045	1.974	2.086	2.047	1.981	1.976	40.01	40.37
#2	2.016	2.055	1.979	2.088	2.051	1.985	1.976	39.52	39.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.16**	**39.56**	**40.12**	**40.28**	**2.001**	**2.032**	**1.968**	**5.004**	**2.048**
Stddev	.43	.25	.35	.31	.004	.007	.011	.009	.002
%RSD	1.061	.6436	.8654	.7587	.1892	.3336	.5743	.1705	.1017
#1	40.46	39.74	40.36	40.49	1.999	2.027	1.976	4.998	2.046
#2	39.86	39.38	39.87	40.06	2.004	2.037	1.960	5.010	2.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 20:27:21 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.041**	**2.009**	**1.955**	**2.010**	**1.950**	**1.967**	**1.998**
Stddev	.018	.000	.011	.000	.007	.002	.016
%RSD	.8638	.0144	.5734	.0198	.3563	.1150	.7801
#1	2.054	2.009	1.947	2.010	1.945	1.969	2.009
#2	2.029	2.010	1.963	2.011	1.955	1.966	1.987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**66005.**	**9491.5**	**2470.0**	**3457.9**
Stddev	8.	84.8	3.9	8.5
%RSD	.01220	.89308	.15594	.24551
#1	65999.	9431.5	2472.7	3464.0
#2	66010.	9551.4	2467.3	3451.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 20:33:11 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0005**	**.0001**	**.0006**	**.0001**	**.0002**
Stddev	.0001	.0001	.0002	.0001	.0004	.0003	.0000	.0002	.0001
%RSD	44.96	29.59	128.2	71.90	89.64	541.4	6.399	257.1	88.15
#1	.0001	.0002	.0003	.0001	.0002	-.0002	.0006	-.0001	.0001
#2	.0002	.0001	.0000	.0003	.0008	.0003	.0006	.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0012**	**.0002**	**.0009**	**.0000**	**.0005**	**.0040**	**.0020**
Stddev	.0001	.0002	.0003	.0008	.0011	.0004	.0008	.0089	.0018
%RSD	47.07	62.27	26.69	402.2	117.4	1373.	171.9	223.6	91.16
#1	.0002	.0004	.0014	.0008	.0017	-.0003	.0011	-.0023	.0007
#2	.0004	.0002	.0010	-.0004	.0002	.0003	-.0001	.0103	.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	**.0164**	**.0460**	**.0168**	**.0044**	**.0010**	**.0010**	**.0003**	**.0014**	**.0013**
Stddev	.0022	.0281	.0049	.0075	.0000	.0001	.0002	.0009	.0008
%RSD	13.63	61.06	29.01	169.8	.1973	10.79	91.16	60.98	56.82
#1	.0180	.0261	.0202	-.0009	.0010	.0011	.0004	.0008	.0019
#2	.0148	.0659	.0133	.0097	.0010	.0009	.0001	.0020	.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: 6/24/2014 20:33:11 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0079**	**.0010**	**-.0021**	**.0001**	**.0007**
Stddev	.0000	.0002	.0002	.0001	.0004	.0004	.0003
%RSD	2.296	113.8	1.968	9.295	17.24	410.7	49.24
#1	.0001	.0003	.0080	.0011	-.0023	.0003	.0005
#2	.0001	.0000	.0078	.0009	-.0018	-.0002	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67818.**	**9787.4**	**2639.3**	**3940.1**
Stddev	168.	22.3	11.2	14.2
%RSD	.24828	.22761	.42366	.36145
#1	67937.	9803.2	2647.2	3950.2
#2	67699.	9771.7	2631.4	3930.0

Zoom In Zoom Out

Sample Name: jb69534-8 Acquired: 6/24/2014 20:39:17 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.011**	**.0056**	**.0027**	**.0732**	**.1492**	**.5702**	**2.430**	**.1798**	**.0121**
Stddev	.002	.0000	.0001	.0002	.0004	.0013	.002	.0003	.0001
%RSD	.1852	.4034	3.684	.3250	.2615	.2210	.0610	.1828	.8269
#1	1.013	.0056	.0027	.0733	.1495	.5711	2.429	.1800	.0122
#2	1.010	.0056	.0028	.0730	.1490	.5693	2.431	.1796	.0121

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2473**	**1.200**	**.0701**	**.0051**	**1.919**	**.0142**	**.0092**	**57.07**	**175.2**
Stddev	.0003	.002	.0001	.0005	.004	.0010	.0000	.07	.4
%RSD	.1278	.1546	.1881	8.836	.2245	6.906	.2402	.1190	.2115
#1	.2475	1.202	.0701	.0054	1.922	.0135	.0092	57.12	175.4
#2	.2471	1.199	.0702	.0048	1.916	.0149	.0092	57.03	174.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**113.5**	**40.34**	**9.967**	**3.511**	**.0354**	**.0128**	**-.0036**	**10.82**	**.2496**
Stddev	.1	.07	.013	.008	.0005	.0001	.0006	.16	.0011
%RSD	.1302	.1661	.1262	.2392	1.417	.8567	15.29	1.507	.4554
#1	113.6	40.39	9.958	3.505	.0351	.0128	-.0032	10.93	.2504
#2	113.4	40.29	9.975	3.517	.0358	.0129	-.0040	10.70	.2488

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4566**	**4.149**	**-.0009**	**.0506**	**12.90**	**.0135**	**.1332**
Stddev	.0006	.009	.0002	.0019	.04	.0002	.0007
%RSD	.1383	.2261	25.08	3.701	.3042	1.638	.5354
#1	.4570	4.156	-.0011	.0519	12.93	.0134	.1337
#2	.4561	4.143	-.0008	.0493	12.87	.0137	.1327

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67880.**	**10001.**	**2523.2**	**3438.4**
Stddev	79.	49.	6.0	9.8
%RSD	.11695	.48899	.23678	.28446
#1	67824.	9966.4	2518.9	3431.5
#2	67937.	10036.	2527.4	3445.4

Zoom In Zoom Out

Sample Name: jb69534-9 Acquired: 6/24/2014 20:45:12 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8277**	**.0045**	**.0018**	**.0516**	**.1113**	**.3218**	**1.847**	**.1277**	**.0097**
Stddev	.0008	.0002	.0000	.0002	.0004	.0002	.002	.0004	.0002
%RSD	.0997	4.298	1.487	.3717	.3659	.0565	.1278	.3365	2.156
#1	.8283	.0046	.0018	.0514	.1116	.3219	1.848	.1280	.0098
#2	.8271	.0044	.0019	.0517	.1110	.3217	1.845	.1274	.0095

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1891**	**.8704**	**.0537**	**.0033**	**1.406**	**.0097**	**.0086**	**44.04**	**125.9**
Stddev	.0008	.0005	.0002	.0002	.008	.0001	.0013	.17	.3
%RSD	.4440	.0568	.4392	7.532	.5761	.7485	15.13	.3807	.2764
#1	.1897	.8707	.0539	.0035	1.412	.0097	.0096	43.92	125.6
#2	.1885	.8700	.0536	.0031	1.401	.0096	.0077	44.16	126.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**94.82**	**30.92**	**7.831**	**3.379**	**.0285**	**.0101**	**-.0010**	**10.08**	**.2603**
Stddev	.08	.04	.045	.009	.0003	.0001	.0003	.06	.0001
%RSD	.0870	.1455	.5760	.2516	1.042	.7607	26.31	.5505	.0235
#1	94.76	30.95	7.799	3.385	.0287	.0101	-.0008	10.12	.2604
#2	94.88	30.89	7.863	3.373	.0282	.0102	-.0012	10.04	.2603

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3345**	**3.466**	**.0008**	**.0368**	**10.61**	**.0102**	**.1024**
Stddev	.0003	.015	.0005	.0000	.03	.0006	.0003
%RSD	.0785	.4234	66.90	.1331	.2732	5.508	.3202
#1	.3344	3.476	.0012	.0369	10.63	.0098	.1027
#2	.3347	3.456	.0004	.0368	10.59	.0106	.1022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67904.**	**9972.4**	**2536.4**	**3517.5**
Stddev	288.	18.6	2.2	.9
%RSD	.42383	.18698	.08554	.02602
#1	67700.	9985.6	2534.9	3516.8
#2	68107.	9959.3	2537.9	3518.1

Zoom In Zoom Out

Sample Name: jb69534-10 Acquired: 6/24/2014 20:51:08 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.340**	**.0052**	**.0025**	**.0652**	**.1438**	**.4800**	**2.104**	**.1568**	**.0120**
Stddev	.085	.0002	.0001	.0004	.0003	.0016	.003	.0003	.0031
%RSD	6.347	4.129	2.431	.6152	.2300	.3344	.1596	.1965	26.04
#1	1.280	.0051	.0024	.0655	.1436	.4812	2.102	.1570	.0098
#2	1.401	.0054	.0025	.0649	.1441	.4789	2.107	.1566	.0142

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2489**	**1.197**	**.0816**	**.0053**	**2.626**	**.0186**	**.0084**	**61.49**	**202.9**
Stddev	.0007	.002	.0004	.0017	.008	.0004	.0001	4.27	14.6
%RSD	.2749	.1956	.5275	32.29	.2893	2.142	1.122	6.938	7.195
#1	.2494	1.199	.0819	.0041	2.631	.0184	.0084	58.47	192.5
#2	.2484	1.195	.0813	.0066	2.620	.0189	.0085	64.51	213.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**108.2**	**33.74**	**10.12**	**3.888**	**.0364**	**.0149**	**-.0052**	**12.15**	**.4504**
Stddev	7.5	2.32	.69	.251	.0004	.0004	.0001	.19	.0019
%RSD	6.954	6.864	6.805	6.463	1.104	2.668	1.568	1.548	.4285
#1	102.9	32.10	9.635	3.710	.0361	.0152	-.0052	12.02	.4518
#2	113.5	35.37	10.61	4.066	.0367	.0146	-.0051	12.29	.4491

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5713**	**3.632**	**-.0066**	**.0499**	**14.30**	**.0125**	**.1319**
Stddev	.0380	.005	.0017	.0009	.06	.0010	.0077
%RSD	6.642	.1348	25.56	1.716	.4462	8.305	5.864
#1	.5445	3.636	-.0054	.0505	14.35	.0118	.1264
#2	.5982	3.629	-.0078	.0493	14.26	.0132	.1374

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67124.**	**9910.7**	**2494.7**	**3401.4**
Stddev	199.	602.0	15.0	15.7
%RSD	.29719	6.0747	.59954	.46084
#1	66983.	10336.	2484.2	3390.3
#2	67265.	9485.0	2505.3	3412.5

Zoom In Zoom Out

Sample Name: jb69603-1 Acquired: 6/24/2014 20:57:04 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6163**	**.0015**	**.0004**	**.1015**	**.0833**	**.0972**	**1.809**	**.0629**	**.0180**
Stddev	.0018	.0003	.0000	.0005	.0004	.0005	.005	.0001	.0001
%RSD	.2922	17.59	5.934	.5090	.4317	.5557	.2642	.0974	.6272
#1	.6175	.0013	.0005	.1011	.0835	.0976	1.806	.0629	.0181
#2	.6150	.0016	.0004	.1019	.0830	.0968	1.813	.0630	.0179

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1663**	**.1661**	**.0045**	**-.0000**	**.0088**	**-.0058**	**.0012**	**56.69**	**75.91**
Stddev	.0008	.0005	.0002	.0004	.0008	.0020	.0010	.20	.38
%RSD	.4640	.2954	3.744	1573.	9.019	34.67	80.21	.3516	.5030
#1	.1658	.1665	.0044	.0003	.0094	-.0072	.0019	56.83	76.18
#2	.1668	.1658	.0046	-.0003	.0083	-.0044	.0005	56.55	75.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**108.7**	**52.85**	**29.54**	**1.249**	**.0050**	**-.0033**	**.0076**	**4.716**	**.0344**
Stddev	.5	.17	.11	.008	.0003	.0002	.0024	.035	.0002
%RSD	.4364	.3223	.3884	.6165	6.989	4.708	31.27	.7426	.6735
#1	109.0	52.97	29.62	1.243	.0047	-.0034	.0093	4.741	.0342
#2	108.3	52.73	29.45	1.254	.0052	-.0032	.0060	4.691	.0345

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1301**	**10.04**	**.2402**	**.0107**	**.4236**	**.0092**	**.1524**
Stddev	.0004	.00	.0005	.0000	.0025	.0002	.0009
%RSD	.3334	.0293	.1886	.1565	.5812	2.299	.6221
#1	.1304	10.05	.2399	.0107	.4219	.0093	.1531
#2	.1298	10.04	.2406	.0107	.4253	.0090	.1518

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67043.**	**9780.6**	**2498.0**	**3477.4**
Stddev	43.	69.0	.4	2.1
%RSD	.06460	.70506	.01736	.06171
#1	67013.	9731.8	2498.3	3478.9
#2	67074.	9829.4	2497.7	3475.8

Zoom In Zoom Out

Sample Name: jb69647-2a Acquired: 6/24/2014 21:03:00 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2915**	**.0012**	**.0040**	**.0100**	**.2377**	**.5179**	**.4766**	**.0500**	**.0065**
Stddev	.0003	.0000	.0000	.0003	.0000	.0007	.0004	.0004	.0001
%RSD	.0934	1.575	.3248	3.258	.0064	.1264	.0739	.8266	1.503
#1	.2913	.0012	.0039	.0102	.2377	.5184	.4769	.0503	.0064
#2	.2917	.0012	.0040	.0098	.2377	.5174	.4764	.0497	.0065

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0533**	**1.562**	**.0200**	**.0035**	**.2026**	**.0056**	**.0051**	**37.32**	**24.66**
Stddev	.0002	.003	.0003	.0013	.0014	.0026	.0003	.01	.05
%RSD	.3753	.1618	1.724	35.76	.6706	47.06	6.196	.0387	.2122
#1	.0535	1.564	.0197	.0026	.2036	.0074	.0048	37.33	24.62
#2	.0532	1.560	.0202	.0044	.2017	.0037	.0053	37.31	24.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**98.61**	**35.71**	**3.529**	**2.275**	**.2942**	**.0029**	**-.0038**	**14.03**	**.0662**
Stddev	.18	.06	.025	.011	.0005	.0001	.0015	.16	.0003
%RSD	.1857	.1687	.7046	.5027	.1756	3.927	37.92	1.160	.5246
#1	98.48	35.67	3.511	2.283	.2938	.0029	-.0028	14.14	.0659
#2	98.74	35.75	3.547	2.267	.2946	.0028	-.0049	13.91	.0664

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1780**	**.8969**	**.0133**	**.0648**	**5.243**	**.0099**	**.0253**
Stddev	.0002	.0062	.0010	.0008	.002	.0002	.0005
%RSD	.1220	.6913	7.455	1.291	.0368	2.112	2.110
#1	.1779	.8925	.0140	.0654	5.242	.0100	.0249
#2	.1782	.9013	.0126	.0642	5.245	.0097	.0257

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	67121.	9793.8	2541.4	3630.5
Stddev	100.	85.7	4.6	1.1
%RSD	.14919	.87485	.18217	.03089
#1	67192.	9854.4	2544.7	3629.7
#2	67050.	9733.2	2538.2	3631.3

Zoom In Zoom Out

Sample Name: jb69652-1 Acquired: 6/24/2014 21:08:54 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4913**	**.0052**	**.0007**	**.0662**	**.1755**	**.0896**	**4.669**	**.1416**	**.0107**
Stddev	.0009	.0000	.0000	.0004	.0012	.0006	.010	.0006	.0003
%RSD	.1804	.8330	1.132	.5411	.6767	.6524	.2077	.4072	3.031
#1	.4920	.0053	.0007	.0660	.1747	.0900	4.662	.1412	.0109
#2	.4907	.0052	.0007	.0665	.1764	.0892	4.676	.1420	.0105

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1915**	**.2711**	**.0178**	**.0046**	**.0678**	**.0039**	**-.0000**	**63.91**	**14.29**
Stddev	.0001	.0011	.0008	.0001	.0006	.0010	.0007	.21	.05
%RSD	.0485	.4063	4.687	2.071	.8127	26.63	1517.	.3314	.3182
#1	.1915	.2703	.0184	.0047	.0674	.0046	-.0006	64.06	14.32
#2	.1914	.2719	.0172	.0046	.0682	.0032	.0005	63.76	14.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**155.5**	**26.34**	**7.163**	**1.917**	**.0342**	**.0073**	**-.0155**	**6.265**	**.0251**
Stddev	.5	.05	.024	.001	.0007	.0000	.0019	.010	.0001
%RSD	.3399	.2081	.3324	.0618	2.111	.0454	11.95	.1551	.3407
#1	155.9	26.38	7.180	1.917	.0337	.0073	-.0142	6.258	.0251
#2	155.1	26.30	7.146	1.918	.0347	.0073	-.0168	6.272	.0250

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0642**	**2.494**	**.0155**	**.0735**	**.1138**	**.0106**	**.0518**
Stddev	.0002	.004	.0013	.0011	.0028	.0001	.0006
%RSD	.2562	.1448	8.408	1.534	2.476	.5096	1.163
#1	.0643	2.497	.0146	.0727	.1118	.0107	.0523
#2	.0641	2.492	.0164	.0742	.1158	.0106	.0514

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	69270.	10046.	2634.5	3662.9
Stddev	87.	22.	19.3	19.7
%RSD	.12500	.22345	.73268	.53868
#1	69331.	10031.	2648.2	3676.9
#2	69209.	10062.	2620.9	3649.0

Zoom In Zoom Out

Sample Name: jb69935-9a Acquired: 6/24/2014 21:14:48 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0274**	**.0005**	**.0047**	**.0012**	**.0480**	**.0246**	**.0740**	**.0076**	**.0035**
Stddev	.0004	.0001	.0001	.0002	.0003	.0006	.0000	.0002	.0003
%RSD	1.451	21.20	1.252	15.32	.6292	2.329	.0571	2.020	8.750
#1	.0272	.0004	.0047	.0014	.0482	.0242	.0740	.0075	.0033
#2	.0277	.0005	.0048	.0011	.0477	.0250	.0741	.0077	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0678**	**.2349**	**.0174**	**.0026**	**.1380**	**.0034**	**.0006**	**19.51**	**3.089**
Stddev	.0000	.0002	.0003	.0008	.0014	.0002	.0005	.04	.009
%RSD	.0298	.0856	1.438	31.81	.9824	6.338	84.11	.1864	.2960
#1	.0678	.2351	.0173	.0031	.1370	.0033	.0009	19.54	3.095
#2	.0678	.2348	.0176	.0020	.1389	.0036	.0002	19.48	3.082

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**49.66**	**.8391**	**.9366**	**.5504**	**.0045**	**.0026**	**-.0020**	**6.825**	**.0247**
Stddev	.19	.0201	.0134	.0045	.0000	.0001	.0009	.025	.0001
%RSD	.3911	2.398	1.432	.8170	.7259	4.510	47.71	.3596	.2684
#1	49.80	.8249	.9460	.5536	.0046	.0025	-.0027	6.808	.0246
#2	49.53	.8533	.9271	.5472	.0045	.0027	-.0013	6.842	.0247

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0233**	**.8180**	**.0050**	**.0386**	**.3326**	**.0043**	**.0086**
Stddev	.0000	.0026	.0002	.0001	.0005	.0007	.0004
%RSD	.0968	.3176	4.551	.2181	.1623	16.64	4.392
#1	.0233	.8161	.0048	.0385	.3322	.0048	.0084
#2	.0233	.8198	.0051	.0386	.3330	.0038	.0089

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	67572.	9777.6	2606.3	3823.6
Stddev	101.	67.3	.1	2.4
%RSD	.15001	.68799	.00361	.06349
#1	67644.	9730.0	2606.3	3821.9
#2	67501.	9825.1	2606.4	3825.3

Zoom In Zoom Out

Sample Name: jb69935-10a Acquired: 6/24/2014 21:20:45 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0354**	**.0005**	**.0102**	**.0015**	**.0463**	**.0423**	**.0820**	**.0099**	**.0039**
Stddev	.0004	.0001	.0000	.0002	.0005	.0004	.0001	.0000	.0000
%RSD	1.089	18.84	.4301	14.23	.9894	.8739	.1708	.4949	.2249
#1	.0356	.0005	.0102	.0014	.0460	.0426	.0819	.0099	.0039
#2	.0351	.0006	.0102	.0017	.0467	.0421	.0821	.0099	.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0733**	**.3924**	**.0214**	**.0032**	**.6596**	**.0050**	**-.0002**	**19.40**	**4.465**
Stddev	.0001	.0065	.0017	.0011	.0085	.0002	.0001	.02	.008
%RSD	.1749	1.657	7.931	34.89	1.287	4.490	66.91	.1273	.1832
#1	.0734	.3878	.0202	.0040	.6536	.0052	-.0002	19.38	4.460
#2	.0732	.3970	.0226	.0024	.6656	.0049	-.0001	19.41	4.471

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**54.86**	**.9789**	**.9753**	**.4890**	**.0056**	**.0027**	**-.0017**	**7.287**	**.0261**
Stddev	.05	.0062	.0062	.0038	.0002	.0001	.0015	.067	.0002
%RSD	.0959	.6329	.6377	.7740	4.344	5.024	92.81	.9193	.6610
#1	54.90	.9833	.9709	.4916	.0058	.0026	-.0027	7.239	.0259
#2	54.82	.9745	.9797	.4863	.0055	.0028	-.0006	7.334	.0262

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0312**	**.8060**	**.0061**	**.0356**	**.4391**	**.0038**	**.0088**
Stddev	.0002	.0109	.0013	.0004	.0078	.0008	.0016
%RSD	.5341	1.352	22.10	1.172	1.779	21.04	17.85
#1	.0311	.8137	.0051	.0359	.4335	.0033	.0099
#2	.0313	.7983	.0070	.0353	.4446	.0044	.0077

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	67429.	9786.1	2564.6	3762.1
Stddev	45.	19.2	43.1	54.3
%RSD	.06604	.19670	1.6811	1.4434
#1	67460.	9799.7	2595.0	3800.5
#2	67397.	9772.5	2534.1	3723.7

Zoom In Zoom Out

Sample Name: jb69900-1a Acquired: 6/24/2014 21:26:43 Type: Unk
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3167**	**.0029**	**.0010**	**.1021**	**.0685**	**.5433**	**2.179**	**.1163**	**.0188**
Stddev	.0002	.0001	.0001	.0003	.0005	.0003	.011	.0001	.0008
%RSD	.0659	3.000	9.922	.3111	.6724	.0612	.4927	.0776	4.482
#1	.3166	.0029	.0009	.1018	.0689	.5435	2.172	.1163	.0194
#2	.3169	.0030	.0011	.1023	.0682	.5431	2.187	.1164	.0182

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3771**	**.3003**	**.0201**	**-.0009**	**.0251**	**.0058**	**.0009**	**103.3**	**460.6**
Stddev	.0018	.0012	.0029	.0026	.0008	.0027	.0001	.2	1.2
%RSD	.4727	.3834	14.66	281.0	3.146	46.51	15.83	.2323	.2710
#1	.3758	.2995	.0180	-.0028	.0256	.0039	.0008	103.1	461.5
#2	.3783	.3012	.0221	.0009	.0245	.0078	.0010	103.5	459.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**175.9**	**55.54**	**9.525**	**39.46**	**.0953**	**.0036**	**-.0276**	**4.242**	**.0302**
Stddev	.6	.33	.039	.04	.0006	.0001	.0016	.012	.0003
%RSD	.3178	.5992	.4117	.1118	.6811	2.303	5.880	.2861	.8665
#1	175.5	55.30	9.497	39.43	.0948	.0035	-.0287	4.233	.0301
#2	176.3	55.77	9.552	39.49	.0958	.0036	-.0264	4.250	.0304

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.624**	**7.338**	**-.0074**	**.1437**	**15.89**	**.0253**	**.0988**
Stddev	.004	.034	.0008	.0004	.03	.0002	.0003
%RSD	.1322	.4658	11.39	.3029	.2196	.7801	.3533
#1	2.622	7.314	-.0080	.1434	15.87	.0251	.0990
#2	2.627	7.362	-.0068	.1440	15.91	.0254	.0985

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**65028.**	**9593.8**	**2373.4**	**3147.5**
Stddev	114.	43.5	7.5	6.6
%RSD	.17481	.45290	.31581	.20865
#1	65108.	9624.5	2378.7	3152.2
#2	64948.	9563.1	2368.1	3142.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 21:32:44 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.008**	**1.981**	**2.032**	**2.041**	**1.925**	**2.057**	**2.037**	**.2416**
Stddev	.010	.007	.009	.013	.008	.018	.004	.015	.0012
%RSD	.4785	.3423	.4804	.6387	.3710	.9453	.1810	.7182	.4999
#1	2.027	2.012	1.974	2.023	2.046	1.938	2.060	2.027	.2425
#2	2.013	2.003	1.987	2.042	2.036	1.912	2.055	2.047	.2408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.048**	**1.965**	**2.082**	**2.042**	**1.966**	**1.968**	**39.66**	**39.95**
Stddev	.005	.013	.013	.012	.017	.005	.009	.17	.16
%RSD	.2383	.6439	.6370	.5683	.8300	.2475	.4648	.4320	.3954
#1	2.011	2.038	1.957	2.074	2.030	1.962	1.961	39.78	40.07
#2	2.004	2.057	1.974	2.090	2.054	1.969	1.974	39.54	39.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.85**	**39.39**	**40.23**	**40.16**	**1.988**	**2.018**	**1.955**	**4.975**	**2.047**
Stddev	.19	.16	.17	.18	.010	.013	.015	.026	.010
%RSD	.4778	.4096	.4190	.4530	.5206	.6425	.7394	.5327	.4836
#1	39.98	39.51	40.34	40.29	1.981	2.009	1.965	4.956	2.040
#2	39.71	39.28	40.11	40.03	1.995	2.027	1.945	4.993	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 21:32:44 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.001**	**1.947**	**1.998**	**1.943**	**1.956**	**1.993**
Stddev	.009	.001	.017	.007	.016	.012	.003
%RSD	.4324	.0327	.8906	.3666	.8322	.6036	.1283
#1	2.038	2.001	1.934	2.003	1.932	1.947	1.995
#2	2.026	2.002	1.959	1.992	1.955	1.964	1.992
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	**66174.**	**9477.7**	**2498.0**	**3498.5**
Stddev	187.	66.5	12.3	20.2
%RSD	.28302	.70181	.49425	.57698
#1	66042.	9430.7	2506.7	3512.8
#2	66307.	9524.8	2489.2	3484.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 21:38:34 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**.0001**	**.0003**	**-.0001**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0003	.0002	.0000	.0002	.0001
%RSD	88.02	25.65	88.07	15.61	449.1	114.4	14.81	234.0	49.59
#1	.0002	.0002	-.0001	.0003	.0003	.0002	.0003	-.0002	-.0002
#2	.0000	.0001	-.0000	.0002	-.0001	.0000	.0004	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0011**	**.0002**	**.0004**	**-.0009**	**.0009**	**.0021**	**-.0002**
Stddev	.0003	.0000	.0004	.0012	.0009	.0018	.0002	.0054	.0016
%RSD	444.0	2.815	36.30	636.3	224.1	188.4	19.19	253.0	756.9
#1	.0003	.0001	.0008	-.0006	-.0002	.0003	.0008	.0060	.0009
#2	-.0002	.0001	.0014	.0010	.0011	-.0022	.0011	-.0017	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0174**	**.0406**	**.0212**	**.0046**	**.0013**	**.0011**	**-.0013**	**.0024**	**.0011**
Stddev	.0029	.0021	.0012	.0003	.0002	.0000	.0009	.0000	.0003
%RSD	16.86	5.097	5.874	6.874	15.39	1.300	71.14	1.286	28.33
#1	.0195	.0391	.0221	.0044	.0012	.0011	-.0006	.0024	.0009
#2	.0154	.0420	.0203	.0048	.0014	.0011	-.0020	.0024	.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: 6/24/2014 21:38:34 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0086**	**.0009**	**-.0036**	**.0010**	**.0009**
Stddev	.0001	.0003	.0012	.0000	.0001	.0001	.0003
%RSD	127.1	171.0	14.45	2.953	1.505	12.17	28.49
#1	.0000	.0000	.0095	.0009	-.0037	.0011	.0011
#2	.0001	-.0003	.0077	.0009	-.0036	.0009	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68434.**	**9743.4**	**2636.8**	**3935.2**
Stddev	191.	42.6	4.1	3.4
%RSD	.27923	.43732	.15465	.08629
#1	68569.	9773.5	2634.0	3932.8
#2	68298.	9713.3	2639.7	3937.6

Zoom In Zoom Out

Sample Name: cri Acquired: 6/24/2014 21:44:39 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2074**	**.0022**	**.0033**	**.0526**	**.0111**	**.0098**	**.0168**	**.0104**	**.0055**
Stddev	.0002	.0002	.0000	.0001	.0005	.0002	.0001	.0002	.0003
%RSD	.1121	7.086	.2113	.2806	4.231	2.245	.5460	2.091	5.505
#1	.2075	.0023	.0033	.0525	.0107	.0096	.0167	.0103	.0053
#2	.2072	.0021	.0033	.0527	.0114	.0099	.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	**.0555**	**.0244**	**.0087**	**.0104**	**.0027**	**.0111**	**.0065**	**.2070**	**5.111**
Stddev	.0001	.0002	.0000	.0004	.0005	.0008	.0006	.0104	.005
%RSD	.2191	.7646	.0360	3.568	19.79	6.865	9.119	5.036	.1076
#1	.0555	.0243	.0087	.0107	.0023	.0116	.0060	.2144	5.107
#2	.0556	.0246	.0087	.0102	.0031	.0106	.0069	.1996	5.115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1156**	**5.179**	**4.962**	**5.119**	**.1030**	**.0213**	**.0633**	**.2029**	**.0114**
Stddev	.0020	.010	.035	.020	.0006	.0001	.0014	.0015	.0000
%RSD	1.755	.1985	.7138	.3889	.6132	.6280	2.269	.7220	.4356
#1	.1142	5.171	4.987	5.133	.1025	.0212	.0643	.2019	.0114
#2	.1171	5.186	4.937	5.105	.1034	.0214	.0623	.2040	.0114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/24/2014 21:44:39 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0107**	**.0583**	**.0129**	**.0448**	**.0209**	**.0202**
Stddev	.0000	.0002	.0003	.0002	.0007	.0002	.0015
%RSD	.3928	1.664	.4293	1.507	1.560	.7943	7.308
#1	.0108	.0106	.0585	.0130	.0443	.0208	.0212
#2	.0107	.0108	.0582	.0128	.0453	.0210	.0191
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	**67609.**	**9580.0**	**2594.7**	**3846.0**
Stddev	110.	57.2	12.3	16.9
%RSD	.16299	.59682	.47257	.43900
#1	67531.	9620.5	2603.4	3858.0
#2	67687.	9539.6	2586.0	3834.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/24/2014 21:50:41 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0011**	**.0010**	**.0033**	**.0025**	**.0015**	**.0034**	**.0039**
Stddev	.0002	.0000	.0001	.0000	.0000	.0002	.0001	.0001
%RSD	4.988	.5980	7.824	.9560	.0318	11.89	1.960	2.319
#1	.0044	.0011	.0010	.0033	.0025	.0014	.0034	.0039
#2	.0041	.0011	.0011	.0034	.0025	.0017	.0035	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0022**	**F .0138**	**.0031**	**.0019**	**.0029**	**.0038**	**.0028**
Stddev	.0000	.0001	.0001	.0003	.0012	.0002	.0008	.0012
%RSD	.0065	6.139	.8994	8.409	59.46	6.614	20.57	45.08
#1	.0011	.0021	.0139	.0033	.0028	.0031	.0043	.0019
#2	.0011	.0023	.0137	.0029	.0011	.0028	.0032	.0036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0100					
Range			30.00%					

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1030**	**1.055**	**.0052**	**.1267**	**2.006**	**1.040**	**.0102**	**.0002**
Stddev	.0115	.002	.0004	.0120	.011	.008	.0008	.0002
%RSD	11.19	.1780	7.280	9.439	.5265	.7581	7.537	92.83
#1	.0949	1.057	.0049	.1182	2.013	1.045	.0097	.0003
#2	.1112	1.054	.0054	.1351	1.998	1.034	.0108	.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: 6/24/2014 21:50:41 Type: QC
Method: Accutest1(v9) 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**	**-.0030**	**.0004**	**-.0001**	**-.0003**	**.0028**	F **.0003**	F **-.0022**
Stddev	.0001	.0001	.0000	.0000	.0005	.0003	.0002	.0018
%RSD	21.23	2.694	3.950	3.771	165.6	9.158	55.61	82.35
#1	-.0006	-.0030	.0004	-.0001	-.0006	.0030	.0002	-.0035
#2	-.0008	-.0031	.0004	-.0001	.0000	.0026	.0004	-.0009
Check ?	None	None	None	None	None	Chk Pass	Chk Fail	Chk Fail
Value							.0040	.0040
Range							-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0002**	F **.0001**
Stddev	.0002	.0000
%RSD	125.9	27.14
#1	-.0003	.0001
#2	-.0000	.0001
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68018.**	**9722.5**	**2647.1**	**3938.9**
Stddev	29.	.7	7.9	10.5
%RSD	.04306	.00725	.29979	.26616
#1	68038.	9722.0	2641.5	3931.4
#2	67997.	9723.0	2652.7	3946.3

Zoom In Zoom Out

Sample Name: cria Acquired: 6/24/2014 21:56:45 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**.0001**	**-.0001**	**.0002**	**-.0002**	**-.0001**
Stddev	.0003	.0000	.0000	.0001	.0000	.0001	.0001	.0001	.0006
%RSD	251.9	7.847	47.71	71.38	57.60	223.0	31.95	37.22	652.0
#1	-.0001	.0001	-.0001	.0001	.0001	.0000	.0002	-.0003	.0003
#2	.0004	.0001	-.0000	.0000	.0001	-.0001	.0001	-.0001	-.0005
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0011**	**.0207**	**-.0003**	**.0215**	**.0196**	**.0199**	**.5016**	**.0086**
Stddev	.0002	.0000	.0003	.0008	.0005	.0000	.0000	.0044	.0014
%RSD	421.7	.9894	1.230	235.4	2.121	.0393	.2479	.8712	15.88
#1	.0002	.0011	.0205	.0002	.0211	.0196	.0199	.5047	.0076
#2	-.0001	.0011	.0208	-.0009	.0218	.0196	.0200	.4986	.0096
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	**.5348**	**.0431**	**.0057**	**.0017**	**-.0001**	**.0002**	**-.0019**	**-.0026**	**.0004**
Stddev	.0003	.0034	.0228	.0017	.0003	.0000	.0009	.0007	.0000
%RSD	.0629	7.868	402.6	99.84	344.3	8.658	46.47	26.66	10.23
#1	.5350	.0407	-.0105	.0029	.0001	.0002	-.0025	-.0031	.0003
#2	.5346	.0455	.0218	.0005	-.0003	.0002	-.0013	-.0021	.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/24/2014 21:56:45 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0015**	**.0003**	**-.0047**	**.0003**	**-.0008**
Stddev	.0001	.0001	.0007	.0001	.0003	.0002	.0005
%RSD	158.4	99.49	49.77	31.74	6.503	67.36	57.95
#1	-.0001	-.0001	.0010	.0004	-.0044	.0001	-.0011
#2	.0000	-.0000	.0020	.0002	-.0049	.0004	-.0005
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	**68149.**	**9636.5**	**2651.7**	**3950.3**
Stddev	41.	18.7	11.8	9.5
%RSD	.05972	.19430	.44396	.24131
#1	68120.	9623.3	2643.4	3943.5
#2	68177.	9649.7	2660.0	3957.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/24/2014 22:02:51 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0008**	**.0015**	**-.0001**	**-.0016**	**-.0037**	**.0016**	**.0010**	**.0063**
Stddev	.0000	.0001	.0002	.0004	.0002	.0001	.0006	.0003	.0027
%RSD	4.177	10.88	15.14	280.6	13.21	2.435	33.67	27.31	43.27
#1	-.0011	.0008	.0016	-.0004	-.0015	-.0037	.0020	.0012	.0082
#2	-.0010	.0007	.0013	.0001	-.0018	-.0036	.0012	.0008	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**.0016**	**.0032**	**.0026**	**.0029**	**.0038**	**.0004**	**519.4**	**382.6**
Stddev	.0002	.0000	.0021	.0002	.0010	.0035	.0013	5.5	3.8
%RSD	6.848	.4789	65.61	6.276	34.38	92.33	324.4	1.050	.9810
#1	.0033	.0016	.0017	.0025	.0036	.0013	.0013	523.3	385.2
#2	.0036	.0016	.0046	.0028	.0022	.0063	-.0005	515.6	379.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**185.6**	**510.0**	**-.0181**	**-.0030**	**-.0002**	**.0005**	**-.0123**	**-.0080**	**-.0016**
Stddev	2.1	6.4	.0105	.0088	.0010	.0004	.0004	.0013	.0006
%RSD	1.128	1.261	57.86	298.0	555.6	89.97	3.645	15.84	36.85
#1	187.1	514.6	-.0255	.0033	-.0009	.0002	-.0126	-.0071	-.0012
#2	184.1	505.5	-.0107	-.0092	.0005	.0008	-.0119	-.0089	-.0020
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: 6/24/2014 22:02:51 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**.0023**	**-.0346**	**.0023**	**-.0318**	**.0276**	**.0185**
Stddev	.0001	.0003	.0009	.0002	.0015	.0007	.0005
%RSD	1.542	11.74	2.554	7.666	4.621	2.540	2.762
#1	-.0045	.0021	-.0353	.0024	-.0329	.0281	.0181
#2	-.0045	.0025	-.0340	.0022	-.0308	.0271	.0188
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	**59307.**	**8818.4**	**2201.0**	**2965.4**
Stddev	1424.	76.1	.6	.3
%RSD	2.4010	.86317	.02609	.01168
#1	60314.	8764.6	2201.4	2965.6
#2	58300.	8872.2	2200.6	2965.1

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/24/2014 22:08:56 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5213**	**.5069**	**1.028**	**.4910**	**.4920**	**.5227**	**.5160**	**.9662**	**1.036**
Stddev	.0009	.0020	.003	.0006	.0029	.0002	.0007	.0012	.001
%RSD	.1684	.3917	.2501	.1203	.5804	.0312	.1441	.1285	.0844
#1	.5207	.5083	1.030	.4914	.4900	.5228	.5154	.9671	1.036
#2	.5219	.5055	1.026	.4905	.4940	.5225	.5165	.9653	1.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5073**	**.9858**	**1.101**	**.9746**	**.9753**	**1.101**	**1.039**	**507.9**	**371.7**
Stddev	.0022	.0022	.003	.0028	.0004	.003	.003	1.4	2.8
%RSD	.4345	.2243	.2659	.2866	.0365	.2640	.2728	.2782	.7470
#1	.5057	.9873	1.104	.9766	.9751	1.103	1.041	508.9	369.7
#2	.5088	.9842	1.099	.9726	.9756	1.099	1.037	506.9	373.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**185.6**	**502.0**	**.0049**	**.0018**	**.0049**	**.5127**	**.5445**	**-.0065**	**-.0009**
Stddev	.2	.2	.0012	.0032	.0002	.0012	.0010	.0004	.0007
%RSD	.1101	.0493	24.19	176.0	4.340	.2353	.1777	6.570	82.80
#1	185.7	501.8	.0041	.0041	.0050	.5136	.5438	-.0062	-.0014
#2	185.4	502.2	.0058	-.0004	.0047	.5119	.5452	-.0068	-.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: 6/24/2014 22:08:56 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0019**	**.4997**	**.5458**	**.4646**	**.5682**	**.5911**
Stddev	.0002	.0003	.0027	.0030	.0027	.0003	.0030
%RSD	3.502	15.67	.5473	.5521	.5857	.0455	.5117
#1	-.0042	.0021	.5017	.5437	.4665	.5680	.5933
#2	-.0044	.0017	.4978	.5479	.4626	.5683	.5890
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	**59886.**	**8882.2**	**2203.2**	**2978.2**
Stddev	7.	23.7	9.3	8.8
%RSD	.01151	.26737	.42408	.29685
#1	59881.	8899.0	2196.6	2972.0
#2	59891.	8865.4	2209.8	2984.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 22:14:53 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.007**	**1.984**	**2.045**	**2.067**	**1.939**	**2.067**	**2.051**	**.2427**
Stddev	.002	.008	.002	.006	.007	.006	.006	.005	.0005
%RSD	.0946	.3927	.0760	.2881	.3635	.3059	.2921	.2520	.2060
#1	2.013	2.013	1.983	2.049	2.062	1.943	2.063	2.054	.2423
#2	2.015	2.002	1.985	2.041	2.072	1.934	2.071	2.047	.2430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.066**	**1.975**	**2.091**	**2.056**	**1.971**	**1.970**	**39.76**	**39.96**
Stddev	.004	.004	.002	.002	.005	.003	.003	.13	.20
%RSD	.2224	.1962	.0877	.0747	.2250	.1376	.1250	.3239	.4948
#1	2.016	2.069	1.977	2.092	2.059	1.972	1.968	39.85	40.10
#2	2.022	2.063	1.974	2.090	2.052	1.969	1.972	39.67	39.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.77**	**39.34**	**40.49**	**40.23**	**1.997**	**2.030**	**1.962**	**5.009**	**2.056**
Stddev	.17	.20	.13	.04	.002	.002	.008	.004	.004
%RSD	.4343	.5000	.3196	.0920	.0766	.0801	.4260	.0730	.1940
#1	39.89	39.48	40.58	40.26	1.998	2.031	1.968	5.011	2.059
#2	39.65	39.21	40.40	40.21	1.996	2.029	1.956	5.006	2.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/24/2014 22:14:53 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.009**	**1.958**	**2.016**	**1.943**	**1.959**	**2.007**
Stddev	.001	.001	.003	.001	.005	.001	.008
%RSD	.0436	.0276	.1263	.0500	.2402	.0323	.3962
#1	2.028	2.009	1.956	2.015	1.946	1.959	2.013
#2	2.027	2.008	1.959	2.016	1.939	1.959	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	**66065.**	**9445.1**	**2502.9**	**3500.8**
Stddev	203.	39.7	4.6	12.6
%RSD	.30654	.42058	.18283	.36058
#1	66208.	9417.0	2499.7	3491.9
#2	65922.	9473.2	2506.2	3509.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 22:20:43 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0001**	**.0003**	**.0002**	**-.0001**	**.0002**
Stddev	.0001	.0001	.0000	.0000	.0003	.0003	.0000	.0001	.0002
%RSD	71.75	63.55	917.0	14.68	397.2	91.89	7.025	169.0	142.6
#1	.0001	.0001	-.0000	.0002	.0003	.0005	.0002	.0000	-.0000
#2	.0003	.0001	.0000	.0002	-.0001	.0001	.0002	-.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0011**	**-.0001**	**.0010**	**-.0018**	**-.0001**	**.0084**	**-.0006**
Stddev	.0001	.0001	.0002	.0005	.0004	.0002	.0002	.0005	.0012
%RSD	258.5	1341.	17.41	383.4	42.96	9.397	300.5	5.980	187.1
#1	.0001	.0001	.0010	-.0005	.0007	-.0017	-.0002	.0080	-.0015
#2	-.0000	-.0000	.0013	.0002	.0013	-.0019	.0001	.0087	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0181**	**.0258**	**.0060**	**-.0005**	**.0005**	**.0008**	**-.0017**	**-.0000**	**.0005**
Stddev	.0021	.0122	.0097	.0024	.0005	.0003	.0002	.0001	.0001
%RSD	11.34	47.24	160.8	446.8	91.84	41.42	13.16	279.6	21.87
#1	.0195	.0345	.0129	-.0022	.0002	.0010	-.0019	-.0001	.0005
#2	.0166	.0172	-.0008	.0012	.0008	.0006	-.0015	.0000	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/24/2014 22:20:43 Type: QC
Method: Accutest1(v9) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0101**	**.0009**	**-.0033**	**.0010**	**-.0001**
Stddev	.0000	.0001	.0001	.0002	.0000	.0011	.0001
%RSD	21.33	155.2	1.154	18.26	.0089	108.3	55.99
#1	-.0000	-.0002	.0102	.0008	-.0033	.0019	-.0002
#2	-.0000	.0000	.0100	.0010	-.0033	.0002	-.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	**67882.**	**9599.0**	**2644.8**	**3949.0**
Stddev	57.	46.4	2.4	5.1
%RSD	.08410	.48389	.08967	.13031
#1	67922.	9631.8	2646.5	3952.6
#2	67841.	9566.2	2643.1	3945.3

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
				Al	0.000002	0.000000	No
				Zr	0.001380	0.000000	No
	Be 313.042 {108}	☒	13	V	0.000297	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	-0.000233	0.000000	No
				Fe	-0.000002	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	-0.000070	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	-0.000074	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}	☒	14	Mn	0.000051	0.000000	No
				Mo	-0.000147	0.000000	No
				Ti	-0.001500	0.000000	No
				Fe	-0.000370	0.000000	No
				V	-0.000472	0.000000	No
				Zn	-0.000104	0.000000	No
				W	0.000000	0.000000	No
				Ca	-0.000008	0.000000	No
				Zr	0.007000	0.000000	No
				Al	-0.000002	0.000000	No
				Sr	-0.000200	0.000000	No
				Mg	0.000000	0.000000	No
				Ba	-0.000056	0.000000	No
				Cr	0.000010	0.000000	No
	V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
				Mo	-0.013500	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	-0.000004	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.003605	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	0.000002	0.000000	No
				Fe	-0.000011	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	-0.000105	0.000000	No
				Mo	0.003000	0.000000	No
				Cr	0.000900	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	0.010000	0.000000	No
				K	0.000000	0.000000	No
				Na	0.000000	0.000000	No
	Tl 190.856 {477}	☒	27	Cr	0.000222	0.000000	No
				Mo	-0.006550	0.000000	No
				Al	-0.000002	0.000000	No
				Fe	-0.000100	0.000000	No
				V	-0.025564	0.000000	No
				Mn	0.001466	0.000000	No
				Si	-0.000132	0.000000	No
				Ca	-0.000002	0.000000	No
				Ti	-0.002020	0.000000	No
				Mg	0.000000	0.000000	No
				Co	0.003209	0.000000	No
				Sr	0.000500	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			B	0.003650	0.000000	No
			Ba	-0.000056	0.000000	No
			Zn	0.000170	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	-0.000100	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	-0.000134	0.000000	No
			Fe	0.000036	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	0.000038	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	0.004000	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	-0.000158	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	0.060000	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
			Zr	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ba	0.000800	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	0.015410	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
			Ca	0.000020	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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
			Si	0.000131	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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
			W	-0.003914	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Li 670.784 { 50}	☒	None				

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.002200	2.835552	0.000000	1.000000
	Be 313.042 {108}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000129	1.759577	0.000000	1.000000
	Cd 228.802 {448}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000585	1.125220	0.000000	1.000000
	Co 228.616 {448}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000012	0.700105	0.000000	1.000000
	Cr 267.716 {126}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000013	0.103216	0.000000	1.000000
	Cu 324.754 {104}2	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.003329	0.247941	0.000000	1.000000
	Mn 257.610 {131}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000018	0.664222	0.000000	1.000000
	Ni 231.604 {446}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000496	0.538512	0.000000	1.000000
	Ag 328.068 {103}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000126	0.144853	0.000000	1.000000
	V 292.402 {115}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000060	0.178263	0.000000	1.000000
	Zn 206.200 {464}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000185	1.221826	0.000000	1.000000
	As 189.042 {478}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000054	0.111493	0.000000	1.000000
	Tl 190.856 {477}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000138	0.082113	0.000000	1.000000
	Pb 220.353 {453}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000044	0.226689	0.000000	1.000000
	Se 196.090 {472}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000068	0.084808	0.000000	1.000000
	Sb 206.833 {463}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000143	0.191533	0.000000	1.000000
	Al 396.152 { 85}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000411	0.040047	0.000000	1.000000
	Ca 317.933 {106}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.004478	0.058850	0.000000	1.000000
	Fe 259.940 {130}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000118	0.034525	0.000000	1.000000
	Mg 279.079 {121}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000162	0.005387	0.000000	1.000000
	K 766.490 { 44}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.008485	0.051331	0.000000	1.000000
	Na 589.592 { 57}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.002918	0.170641	0.000000	1.000000
	B 208.959 {462}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000309	0.269344	0.000000	1.000000
	Mo 202.030 {467}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000653	0.820048	0.000000	1.000000
	Pd 340.458 { 99}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000006	0.050207	0.000000	1.000000
	Si 212.412 {459}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.005114	0.254514	0.000000	1.000000
	Sn 189.989 {478}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000096	0.199704	0.000000	1.000000
	Sr 407.771 { 83}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000357	4.236175	0.000000	1.000000
	Ti 334.904 {101}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000094	0.160995	0.000000	1.000000
	Y 360.073 { 94}*	6/25/2014 7:29:30	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	6/25/2014 7:29:30	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	6/25/2014 7:29:30	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	6/25/2014 7:29:30	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.003307	0.362177	0.000000	1.000000
	Zr 339.198 { 99}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000075	0.462739	0.000000	1.000000
	S 182.034 {485}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	0.000166	0.055885	0.000000	1.000000
	Bi 223.061 {451}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.000580	0.214475	0.000000	1.000000
	Li 670.784 { 50}	6/25/2014 7:29:30	6/24/2014 14:48:34	Linear	1/Conc	-0.001952	1.086968	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	0.000241	0.000803	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000117	0.000391	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000166	0.000553	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000206	0.000688	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000463	0.001542	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000460	0.001532	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000067	0.000222	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000303	0.001009	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000664	0.002214	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000368	0.001228	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000135	0.000450	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001116	0.003720	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001199	0.003998	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001020	0.003401	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001966	0.006553	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001099	0.003662	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.012275	0.040916	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004245	0.014151	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003714	0.012380	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.030666	0.102221	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.027038	0.090127	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.007210	0.024035	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000572	0.001907	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000225	0.000750	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001841	0.006137	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000825	0.002751	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000645	0.002151	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000101	0.000336	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000542	0.001806	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	0.000982	0.003272	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000204	0.000681	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002396	0.007987	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001258	0.004193	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001305	0.004351	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/25/2014 9:16:26 Type: Cal
Method: Accutest1(v297) 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	**.0041**	**.0003**	**.0006**	**-.0000**	**.0000**	**.0024**	**-.0000**	**.0001**	**-.0001**
Stddev	.0001	.0001	.0000	.0001	.0000	.0001	.0000	.0001	.0001
%RSD	2.976	35.09	1.949	309.3	47.09	3.740	193.3	120.5	46.80
#1	.0040	.0002	.0007	-.0001	.0000	.0024	-.0000	.0002	-.0001
#2	.0042	.0004	.0006	.0000	.0000	.0023	.0000	.0000	-.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**	**.0006**	**-.0002**	**-.0001**	**.0003**	**.0002**	**-.0002**	**.0004**	**.0058**
Stddev	.0000	.0001	.0002	.0000	.0001	.0000	.0000	.0002	.0001
%RSD	14.21	19.16	101.2	14.71	35.97	16.42	30.26	46.05	1.999
#1	.0000	.0007	-.0004	-.0001	.0002	.0003	-.0002	.0003	.0058
#2	.0000	.0006	-.0001	-.0001	.0004	.0002	-.0001	.0005	.0059

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0000**	**-.0018**	**.0108**	**.0004**	**.0003**	**-.0002**	**.0051**	**.0001**
Stddev	.0001	.0000	.0002	.0016	.0001	.0002	.0001	.0001	.0000
%RSD	73.13	1.398	9.438	14.42	24.75	93.75	39.64	1.082	34.36
#1	.0002	-.0000	-.0019	.0097	.0005	.0004	-.0001	.0052	.0001
#2	.0001	-.0000	-.0016	.0119	.0004	.0001	-.0002	.0051	.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	**-.0007**	**-.0001**	**.0031**	**-.0001**	**.0019**	**-.0004**	**-.0015**
Stddev	.0006	.0000	.0001	.0000	.0001	.0001	.0008
%RSD	84.80	21.31	4.177	37.09	7.458	32.12	53.66
#1	-.0011	-.0001	.0031	-.0001	.0020	-.0005	-.0020
#2	-.0003	-.0001	.0030	-.0001	.0018	-.0003	-.0009

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/25/2014 9:16:26 Type: Cal
Method: Accutest1(v297) 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	**56196.**	**8758.4**	**1866.3**	**4050.5**
Stddev	111.	42.5	54.0	111.4
%RSD	.19672	.48505	2.8910	2.7495
#1	56118.	8788.4	1828.2	3971.7
#2	56274.	8728.4	1904.5	4129.2

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/25/2014 9:22:34 Type: Cal
Method: Accutest1(v297) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.99**	**8.362**	**4.245**	**2.137**	**.3370**	**.9323**	**1.867**	**1.523**	**.0557**
Stddev	.01	.030	.014	.007	.0054	.0044	.030	.006	.0005
%RSD	.1057	.3607	.3308	.3091	1.595	.4673	1.598	.3732	.9447
#1	11.98	8.341	4.235	2.133	.3332	.9292	1.846	1.519	.0553
#2	12.00	8.384	4.255	2.142	.3408	.9353	1.888	1.527	.0561

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	**.4197**	**3.745**	**.4305**	**.2097**	**.6166**	**.3237**	**.8168**	**3.923**	**3.642**
Stddev	.0057	.011	.0020	.0004	.0018	.0010	.0023	.016	.020
%RSD	1.365	.2799	.4588	.1723	.2860	.3000	.2866	.4047	.5367
#1	.4156	3.737	.4291	.2094	.6153	.3230	.8151	3.912	3.628
#2	.4237	3.752	.4319	.2100	.6178	.3243	.8185	3.934	3.656

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	**2.587**	**.3549**	**5.651**	**19.53**	**1.061**	**3.304**	**.1763**	**2.843**	**.6364**
Stddev	.010	.0031	.019	.05	.004	.015	.0008	.011	.0004
%RSD	.3790	.8761	.3383	.2696	.3774	.4625	.4609	.3797	.0683
#1	2.580	.3527	5.637	19.49	1.058	3.293	.1757	2.835	.6361
#2	2.594	.3571	5.664	19.57	1.064	3.314	.1768	2.851	.6367

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	**22.21**	**.4925**	**1.392**	**1.182**	**.2112**	**1.085**	**7.182**
Stddev	.04	.0051	.007	.012	.0003	.004	.014
%RSD	.1739	1.045	.5118	.9868	.1595	.3207	.1919
#1	22.18	.4889	1.387	1.174	.2109	1.083	7.172
#2	22.24	.4962	1.397	1.191	.2114	1.088	7.192

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/25/2014 9:22:34 Type: Cal
Method: Accutest1(v297) 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	**50644.**	**8553.3**	**1701.5**	**3363.8**
Stddev	474.	81.6	5.8	11.0
%RSD	.93690	.95420	.34018	.32558
#1	50980.	8611.0	1705.6	3371.6
#2	50309.	8495.6	1697.4	3356.1

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/25/2014 9:28:27 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**2.044**	**2.029**	**2.015**	**1.986**	**1.933**	**1.998**	**2.048**	**.2447**
Stddev	.020	.018	.006	.001	.001	.001	.005	.001	.0007
%RSD	.9726	.8856	.3192	.0445	.0426	.0648	.2380	.0563	.2666
#1	1.988	2.032	2.025	2.015	1.987	1.932	1.995	2.047	.2452
#2	2.016	2.057	2.034	2.016	1.986	1.934	2.002	2.049	.2443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**2.054**	**2.012**	**2.089**	**2.068**	**2.011**	**2.025**	**39.96**	**40.93**
Stddev	.003	.003	.007	.001	.007	.019	.007	.47	.47
%RSD	.1355	.1629	.3590	.0347	.3467	.9510	.3610	1.171	1.153
#1	1.976	2.052	2.007	2.089	2.073	1.997	2.020	39.63	40.59
#2	1.979	2.056	2.017	2.090	2.063	2.024	2.031	40.30	41.26
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	**41.61**	**40.42**	**39.43**	**39.78**	**2.049**	**2.060**	**1.962**	**5.095**	**2.080**
Stddev	.42	.42	.36	.36	.010	.008	.004	.016	.004
%RSD	1.001	1.043	.9023	.9158	.4710	.4008	.1926	.3034	.1744
#1	41.32	40.12	39.18	39.53	2.042	2.054	1.965	5.084	2.077
#2	41.90	40.72	39.68	40.04	2.056	2.066	1.959	5.106	2.083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/25/2014 9:28:27 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**1.967**	**2.062**	**1.979**	**1.988**	**2.045**	**1.985**
Stddev	.021	.001	.003	.003	.008	.005	.018
%RSD	1.059	.0448	.1482	.1568	.3957	.2473	.8976
#1	1.995	1.967	2.060	1.977	1.982	2.041	1.973
#2	2.026	1.968	2.064	1.981	1.993	2.048	1.998
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	**53295.**	**8618.9**	**1743.2**	**3501.5**
Stddev	76.	84.9	7.0	7.5
%RSD	.14353	.98514	.40329	.21529
#1	53349.	8678.9	1748.1	3506.8
#2	53241.	8558.8	1738.2	3496.1

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/25/2014 9:34:22 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0002**	**.0003**	**-.0001**	**.0000**	**.0002**	**.0001**	**.0001**
Stddev	.0001	.0001	.0000	.0003	.0006	.0001	.0000	.0004	.0007
%RSD	51.30	69.63	23.67	117.0	525.3	170.6	6.684	671.4	744.2
#1	.0004	.0000	.0002	.0005	-.0005	.0001	.0002	.0004	-.0004
#2	.0002	.0001	.0001	.0000	.0003	-.0000	.0002	-.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	**.0004**	**.0002**	**.0000**	**-.0005**	**.0006**	**.0000**	**-.0002**	**.0026**	**.0008**
Stddev	.0003	.0001	.0004	.0009	.0005	.0018	.0007	.0059	.0014
%RSD	71.37	45.65	1170.	186.0	92.41	4656.	364.9	227.2	169.9
#1	.0002	.0002	-.0003	.0002	.0010	.0013	.0003	-.0016	-.0002
#2	.0005	.0001	.0003	-.0011	.0002	-.0012	-.0007	.0068	.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	**-.0011**	**.0073**	**.0036**	**-.0025**	**.0018**	**.0014**	**-.0014**	**-.0013**	**.0002**
Stddev	.0007	.0188	.0015	.0013	.0005	.0005	.0005	.0001	.0001
%RSD	67.11	259.7	40.88	53.07	25.43	32.26	38.29	9.669	30.75
#1	-.0006	.0206	.0046	-.0016	.0022	.0018	-.0010	-.0012	.0002
#2	-.0016	-.0061	.0026	-.0035	.0015	.0011	-.0018	-.0013	.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: ccbconf Acquired: 6/25/2014 9:34:22 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0131**	**.0002**	**-.0025**	**.0008**	**.0003**
Stddev	.0000	.0001	.0013	.0001	.0009	.0002	.0000
%RSD	92.25	106.6	9.645	25.80	34.12	28.65	14.31
#1	.0000	-.0001	.0140	.0003	-.0031	.0006	.0003
#2	.0001	-.0000	.0123	.0002	-.0019	.0009	.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	**56938.**	**9011.6**	**1821.0**	**3970.7**
Stddev	30.	56.2	11.5	21.7
%RSD	.05232	.62383	.63346	.54670
#1	56917.	8971.8	1829.2	3986.1
#2	56959.	9051.3	1812.9	3955.4

Zoom In Zoom Out

Sample Name: icv Acquired: 6/25/2014 9:41:35 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.931**	**1.994**	**2.002**	**1.959**	**1.974**	**1.917**	**1.972**	**2.015**	**.2432**
Stddev	.026	.026	.006	.009	.009	.010	.009	.007	.0013
%RSD	1.342	1.287	.3135	.4600	.4469	.5366	.4534	.3487	.5323
#1	1.903	1.966	1.995	1.949	1.981	1.915	1.978	2.007	.2439
#2	1.954	2.016	2.005	1.963	1.964	1.908	1.962	2.019	.2417
#3	1.936	2.000	2.006	1.966	1.976	1.928	1.976	2.020	.2440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.957**	**2.023**	**2.020**	**2.055**	**2.023**	**1.988**	**1.993**	**38.39**	**40.17**
Stddev	.009	.006	.005	.006	.007	.008	.005	.50	.60
%RSD	.4705	.2933	.2608	.2936	.3723	.4026	.2481	1.311	1.493
#1	1.963	2.016	2.014	2.049	2.015	1.979	1.988	37.85	39.63
#2	1.947	2.027	2.024	2.054	2.024	1.995	1.994	38.84	40.82
#3	1.961	2.026	2.023	2.061	2.030	1.990	1.998	38.48	40.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.85**	**40.61**	**38.45**	**38.51**	**2.054**	**1.976**	**1.954**	**5.105**	**2.036**
Stddev	.58	.54	.47	.46	.007	.006	.008	.012	.007
%RSD	1.375	1.324	1.231	1.199	.3282	.2902	.3906	.2396	.3333
#1	41.24	40.19	37.95	38.00	2.046	1.969	1.955	5.092	2.029
#2	42.39	41.22	38.89	38.91	2.057	1.979	1.946	5.110	2.042
#3	41.91	40.42	38.51	38.61	2.058	1.980	1.961	5.115	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: icv Acquired: 6/25/2014 9:41:35 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.960**	**1.983**	F **2.149**	**1.986**	**1.941**	**2.000**	**1.974**
Stddev	.025	.010	.007	.009	.005	.006	.027
%RSD	1.271	.5083	.3137	.4265	.2440	.3275	1.346
#1	1.932	1.988	2.144	1.990	1.935	1.993	1.944
#2	1.981	1.971	2.156	1.977	1.944	2.005	1.995
#3	1.966	1.989	2.146	1.992	1.942	2.002	1.982
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			5.000%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**53272.**	**8980.6**	**1741.5**	**3508.4**
Stddev	218.	94.3	2.4	8.0
%RSD	.40976	1.0499	.14038	.22808
#1	53185.	9048.9	1744.2	3517.6
#2	53520.	8873.0	1740.8	3503.6
#3	53110.	9019.9	1739.5	3503.9

Zoom In Zoom Out

Sample Name: icb Acquired: 6/25/2014 9:54:29 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0003**	**-.0000**	**.0002**	**-.0001**	**-.0004**
Stddev	.0000	.0000	.0000	.0001	.0001	.0000	.0000	.0000	.0003
%RSD	87.31	21.25	1499.	45.71	37.35	186.1	13.87	31.93	59.57
#1	.0001	.0001	-.0000	.0002	-.0002	.0000	.0002	-.0001	-.0003
#2	.0000	.0001	.0000	.0001	-.0004	-.0000	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0001**	**.0006**	**-.0002**	**.0019**	**-.0011**	**.0023**	**-.0007**
Stddev	.0004	.0002	.0012	.0012	.0004	.0005	.0007	.0026	.0012
%RSD	159.2	761.1	1360.	222.5	179.0	28.37	62.03	115.4	175.0
#1	.0005	.0002	.0007	.0014	-.0005	.0015	-.0016	.0004	.0002
#2	-.0000	-.0001	-.0009	-.0003	.0001	.0022	-.0006	.0041	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**-.0191**	**-.0134**	**-.0114**	**.0015**	**.0005**	**-.0003**	**-.0020**	**.0001**
Stddev	.0041	.0207	.0022	.0016	.0008	.0001	.0010	.0004	.0009
%RSD	157.6	108.4	16.42	14.01	51.98	19.58	337.9	21.63	1427.
#1	.0054	-.0337	-.0150	-.0102	.0010	.0004	-.0010	-.0023	-.0005
#2	-.0003	-.0045	-.0119	-.0125	.0021	.0006	.0004	-.0017	.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: icb Acquired: 6/25/2014 9:54:29 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0056**	**.0003**	**-.0005**	**-.0002**	**.0006**
Stddev	.0000	.0000	.0005	.0001	.0029	.0012	.0000
%RSD	14.07	168.1	9.784	27.41	562.1	494.6	2.743
#1	.0001	.0001	.0059	.0002	-.0026	.0006	.0006
#2	.0001	-.0000	.0052	.0003	.0015	-.0011	.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	**56942.**	**9165.1**	**1829.8**	**3986.1**
Stddev	18.	82.8	14.9	26.8
%RSD	.03232	.90291	.81523	.67356
#1	56955.	9106.6	1840.3	4005.1
#2	56929.	9223.7	1819.2	3967.1

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/25/2014 10:00:52 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.939**	**2.016**	**1.996**	**1.976**	**1.963**	**1.917**	**1.964**	**2.012**	**.2426**
Stddev	.004	.003	.030	.026	.004	.007	.005	.026	.0007
%RSD	.1990	.1564	1.494	1.312	.1959	.3521	.2795	1.310	.2762
#1	1.943	2.020	2.000	1.978	1.967	1.922	1.964	2.013	.2424
#2	1.934	2.012	2.017	1.995	1.966	1.921	1.971	2.032	.2429
#3	1.938	2.015	2.016	1.993	1.959	1.917	1.965	2.028	.2417
#4	1.939	2.018	1.953	1.939	1.962	1.907	1.957	1.974	.2433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.949**	**2.009**	**1.979**	**2.057**	**2.025**	**1.984**	**2.001**	**38.93**	**40.16**
Stddev	.006	.030	.030	.025	.026	.029	.028	.17	.14
%RSD	.3269	1.495	1.507	1.218	1.264	1.436	1.383	.4265	.3447
#1	1.953	2.015	1.984	2.062	2.026	1.987	2.003	39.18	40.33
#2	1.954	2.031	2.001	2.074	2.045	2.005	2.022	38.81	40.00
#3	1.946	2.025	1.996	2.071	2.040	2.001	2.018	38.88	40.18
#4	1.941	1.965	1.936	2.020	1.988	1.943	1.962	38.87	40.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/25/2014 10:00:52 Type: QC
Method: Accutest1(v297) 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	**41.80**	**40.25**	F **37.59**	**38.19**	**2.025**	**2.029**	**1.951**	**5.028**	**2.046**
Stddev	.15	.26	.11	.06	.027	.028	.008	.072	.029
%RSD	.3541	.6477	.2830	.1633	1.334	1.399	.4055	1.433	1.444
#1	41.98	40.48	37.74	38.26	2.026	2.030	1.963	5.034	2.046
#2	41.63	39.98	37.50	38.11	2.046	2.048	1.948	5.079	2.064
#3	41.75	40.47	37.58	38.19	2.042	2.048	1.950	5.074	2.069
#4	41.86	40.09	37.55	38.18	1.987	1.988	1.945	4.924	2.004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			40.00						
Range			-5.000%						

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.962**	**1.950**	**2.027**	**1.955**	**1.956**	**2.019**	**1.909**
Stddev	.004	.004	.026	.005	.029	.029	.004
%RSD	.1972	.2313	1.294	.2811	1.477	1.427	.1912
#1	1.967	1.955	2.021	1.961	1.960	2.024	1.913
#2	1.957	1.949	2.050	1.957	1.974	2.042	1.907
#3	1.961	1.953	2.044	1.954	1.975	2.034	1.911
#4	1.962	1.945	1.992	1.948	1.914	1.978	1.905
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: 6/25/2014 10:00:52 Type: QC
Method: Accutest1(v297) 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	**53524.**	**9021.7**	**1753.9**	**3528.2**
Stddev	131.	46.0	21.6	38.8
%RSD	.24478	.50991	1.2339	1.0991
#1	53422.	8961.1	1749.8	3523.7
#2	53402.	9072.8	1737.9	3497.0
#3	53659.	9023.5	1742.5	3508.2
#4	53614.	9029.3	1785.5	3584.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 10:23:00 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0002**	**.0003**	**.0001**	**.0000**	**.0003**	**.0001**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0000	.0001	.0000	.0000	.0005
%RSD	34.55	33.07	34.82	23.52	25.63	124.7	4.954	11.24	964.2
#1	.0002	.0002	.0002	.0002	.0001	.0000	.0003	.0001	.0004
#2	.0001	.0003	.0003	.0003	.0001	.0001	.0003	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**.0008**	**-.0003**	**-.0005**	**.0036**	**-.0008**	**.0070**	**.0040**
Stddev	.0004	.0001	.0001	.0008	.0011	.0002	.0003	.0054	.0013
%RSD	89.51	223.8	11.49	301.8	200.7	5.177	43.89	77.57	32.34
#1	.0002	.0002	.0009	.0003	.0002	.0038	-.0005	.0032	.0031
#2	.0008	-.0000	.0007	-.0008	-.0013	.0035	-.0010	.0108	.0049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**-.0036**	**-.0236**	**-.0084**	**.0012**	**.0006**	**-.0006**	**-.0024**	**.0004**
Stddev	.0010	.0013	.0092	.0003	.0004	.0001	.0007	.0001	.0001
%RSD	17.93	36.27	38.83	3.882	32.04	18.73	119.6	5.588	24.61
#1	.0049	-.0027	-.0171	-.0086	.0010	.0005	-.0001	-.0023	.0004
#2	.0063	-.0045	-.0300	-.0082	.0015	.0007	-.0011	-.0025	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 10:23:00 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**.0089**	**.0003**	**-.0010**	**-.0003**	**.0005**
Stddev	.0001	.0002	.0001	.0001	.0004	.0012	.0002
%RSD	19.24	134.4	.7642	42.51	41.64	434.9	40.08
#1	.0003	.0003	.0088	.0004	-.0013	.0006	.0004
#2	.0003	.0000	.0089	.0002	-.0007	-.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	**56607.**	**8864.5**	**1831.0**	**3983.5**
Stddev	229.	248.0	45.9	92.4
%RSD	.40392	2.7976	2.5045	2.3183
#1	56445.	9039.9	1863.4	4048.8
#2	56768.	8689.2	1798.6	3918.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 10:28:25 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1953**	**.0020**	**.0033**	**.0502**	**.0100**	**.0099**	**.0155**	**.0098**	**.0048**
Stddev	.0001	.0000	.0001	.0002	.0003	.0003	.0000	.0001	.0004
%RSD	.0634	.3977	1.806	.3644	2.711	3.046	.3098	.6564	9.312
#1	.1954	.0020	.0033	.0503	.0102	.0097	.0155	.0098	.0051
#2	.1952	.0020	.0034	.0500	.0098	.0101	.0156	.0098	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0524**	**.0226**	**.0091**	**.0111**	**.0025**	**.0126**	**.0059**	**.1956**	**5.062**
Stddev	.0001	.0001	.0001	.0008	.0005	.0013	.0013	.0047	.001
%RSD	.1067	.5219	.9925	7.330	21.16	10.27	22.38	2.397	.0157
#1	.0525	.0227	.0092	.0105	.0029	.0117	.0049	.1922	5.062
#2	.0524	.0225	.0090	.0116	.0021	.0135	.0068	.1989	5.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1082**	**5.194**	**4.554**	**4.677**	**.1068**	**.0220**	**.0555**	**.2043**	**.0116**
Stddev	.0033	.015	.017	.013	.0001	.0000	.0004	.0002	.0009
%RSD	3.051	.2808	.3731	.2725	.0805	.1605	.7135	.1043	7.737
#1	.1059	5.204	4.566	4.686	.1067	.0220	.0552	.2041	.0122
#2	.1106	5.183	4.542	4.668	.1068	.0220	.0558	.2044	.0109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 10:28:25 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	**.0104**	**.0610**	**.0098**	**.0463**	**.0202**	**.0199**
Stddev	.0000	.0002	.0004	.0002	.0008	.0006	.0003
%RSD	.0069	2.366	.6728	1.900	1.644	3.198	1.399
#1	.0102	.0106	.0613	.0096	.0458	.0206	.0201
#2	.0102	.0103	.0607	.0099	.0469	.0197	.0197
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	**55754.**	**9315.8**	**1805.2**	**3873.6**
Stddev	106.	25.0	.8	2.9
%RSD	.19095	.26846	.04260	.07426
#1	55829.	9298.2	1804.7	3875.7
#2	55678.	9333.5	1805.7	3871.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 10:34:34 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**.0011**	**.0009**	**.0030**	**.0019**	**.0021**	**.0031**	**.0037**	**.0011**
Stddev	.0000	.0000	.0000	.0001	.0005	.0003	.0000	.0004	.0002
%RSD	.8655	1.850	4.190	4.304	27.74	12.88	1.254	11.10	14.62
#1	.0038	.0010	.0009	.0030	.0022	.0019	.0031	.0034	.0012
#2	.0038	.0011	.0009	.0031	.0015	.0023	.0032	.0040	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.0118**	**.0026**	**.0020**	**.0024**	**.0053**	**.0021**	**.0960**	**1.033**
Stddev	.0004	.0000	.0011	.0008	.0002	.0019	.0007	.0087	.008
%RSD	18.86	.0788	40.74	41.60	6.543	35.64	30.89	9.110	.7857
#1	.0026	.0118	.0033	.0014	.0023	.0040	.0026	.0898	1.027
#2	.0020	.0119	.0018	.0026	.0025	.0066	.0017	.1021	1.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**.0996**	**1.861**	**.9460**	**.0115**	**.0003**	**.0004**	**-.0047**	**-.0000**
Stddev	.0015	.0184	.001	.0017	.0000	.0000	.0008	.0003	.0005
%RSD	60.84	18.50	.0531	.1846	.4324	5.054	175.6	6.115	1426.
#1	-.0035	.0866	1.862	.9448	.0115	.0003	-.0001	-.0045	.0003
#2	-.0014	.1126	1.861	.9473	.0114	.0003	.0010	-.0049	-.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 10:34:34 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0049**	F **.0001**	F **.0008**	F **.0006**	F **.0001**
Stddev	.0000	.0002	.0015	.0000	.0009	.0005	.0003
%RSD	165.0	1114.	31.29	44.92	107.5	83.55	409.2
#1	-.0000	-.0002	.0059	.0001	.0002	.0002	-.0001
#2	.0001	.0001	.0038	.0000	.0014	.0009	.0002
Check ?	None	None	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value				.0040	.0040	.0040	.0040
Range				-30.00%	-30.00%	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56522.**	**9330.4**	**1823.4**	**3959.3**
Stddev	13.	27.2	1.5	.5
%RSD	.02224	.29160	.08152	.01234
#1	56513.	9349.7	1822.4	3959.0
#2	56531.	9311.2	1824.5	3959.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 10:40:45 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**-.0002**	**-.0003**	**-.0043**	**-.0000**	**-.0003**	**.0005**
Stddev	.0001	.0000	.0001	.0001	.0000	.0066	.0001	.0000	.0006
%RSD	1867.	93.62	110.5	62.91	12.16	155.0	216.8	11.62	138.3
#1	-.0000	-.0000	-.0002	-.0003	-.0004	.0004	-.0001	-.0003	.0000
#2	.0001	-.0000	-.0000	-.0001	-.0003	-.0090	.0000	-.0004	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**-.0000**	**.0198**	**.0001**	**.0210**	**.0218**	**.0201**	**.4756**	**-.0010**
Stddev	.0000	.0001	.0001	.0006	.0011	.0001	.0001	.0042	.0045
%RSD	9.423	299.8	.4499	1064.	5.000	.4329	.3885	.8797	443.1
#1	-.0003	.0000	.0198	-.0003	.0203	.0217	.0202	.4726	.0022
#2	-.0003	-.0001	.0199	.0004	.0218	.0219	.0200	.4786	-.0042

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5361**	**.0129**	**-.0370**	**-.0198**	**.0007**	**.0002**	**.0015**	**-.0040**	**-.0007**
Stddev	.0040	.0088	.0117	.0033	.0001	.0003	.0030	.0013	.0006
%RSD	.7401	67.82	31.77	16.48	11.19	125.9	194.1	31.74	84.88
#1	.5333	.0191	-.0453	-.0175	.0007	.0004	-.0006	-.0031	-.0010
#2	.5389	.0067	-.0287	-.0221	.0006	.0000	.0036	-.0049	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**.0025**	**.0001**	**.0001**	**-.0003**	**-.0004**
Stddev	.0000	.0007	.0004	.0002	.0037	.0007	.0000
%RSD	110.1	254.8	15.91	188.8	5957.	232.7	9.462
#1	.0000	-.0002	.0022	-.0000	.0027	.0002	-.0003
#2	.0000	.0008	.0027	.0003	-.0026	-.0007	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**9582.1**	**1831.7**	**3979.2**
Stddev	-----	59.6	4.4	6.6
%RSD	-----	.62210	.24290	.16487
#1	52994.	9624.3	1828.5	3974.5
#2	-----	9540.0	1834.8	3983.8

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/25/2014 10:46:56 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0196**	**.0050**	**.0047**	**.0156**	**.0091**	**.0113**	**.0157**	**.0185**	**.0044**
Stddev	.0007	.0004	.0002	.0004	.0009	.0010	.0006	.0008	.0003
%RSD	3.744	8.106	4.078	2.383	10.09	9.267	4.101	4.566	6.124
#1	.0201	.0047	.0048	.0158	.0085	.0120	.0162	.0179	.0046
#2	.0191	.0053	.0046	.0153	.0098	.0105	.0153	.0191	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0090**	**.0587**	**.0140**	**.0040**	**.0134**	**.0290**	**.0153**	**.5132**	**5.244**
Stddev	.0019	.0005	.0008	.0035	.0023	.0001	.0031	.0417	.020
%RSD	21.00	.8613	5.622	88.63	17.26	.4348	20.16	8.119	.3770
#1	.0077	.0591	.0134	.0065	.0151	.0289	.0175	.4837	5.230
#2	.0104	.0584	.0145	.0015	.0118	.0291	.0131	.5426	5.258

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0056**	**.5570**	**9.492**	**4.785**	**.0546**	**.0007**	**.0005**	**-.0217**	**.0011**
Stddev	.0160	.0717	.028	.015	.0018	.0002	.0004	.0034	.0043
%RSD	285.7	12.86	.2895	.3221	3.346	28.36	84.17	15.61	397.6
#1	.0057	.5064	9.512	4.774	.0533	.0009	.0008	-.0240	.0041
#2	-.0169	.6077	9.473	4.796	.0559	.0006	.0002	-.0193	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0004**	**.0141**	**-.0010**	**-.0030**	**-.0002**	**.0011**
Stddev	.0002	.0006	.0072	.0001	.0257	.0048	.0006
%RSD	224.5	157.9	51.11	10.67	852.4	2386.	56.37
#1	.0001	.0008	.0192	-.0011	.0151	.0032	.0016
#2	-.0002	-.0000	.0090	-.0009	-.0212	-.0036	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55756.**	**9220.0**	**1827.9**	**3962.4**
Stddev	874.	14.6	.8	.0
%RSD	1.5679	.15877	.04378	.00080
#1	55138.	9230.3	1828.5	3962.4
#2	56375.	9209.6	1827.3	3962.4

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 10:56:41 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0003**	**.0000**	**.0000**	**-.0001**	**.0001**
Stddev	.0002	.0000	.0000	.0001	.0003	.0000	.0000	.0000	.0001
%RSD	294.9	195.7	2.350	415.9	108.7	244.3	17.43	5.421	112.0
#1	.0001	-.0001	-.0002	.0001	-.0004	-.0000	.0001	-.0001	.0000
#2	-.0002	.0000	-.0002	-.0000	-.0001	.0000	.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	**-.0002**	**-.0001**	**.0199**	**-.0000**	**.0208**	**.0236**	**.0198**	**.4809**	**-.0014**
Stddev	.0002	.0001	.0002	.0005	.0004	.0037	.0010	.0040	.0001
%RSD	124.2	118.6	1.029	2900.	2.119	15.49	5.091	.8257	7.192
#1	-.0000	-.0000	.0198	-.0004	.0205	.0262	.0205	.4837	-.0014
#2	-.0004	-.0001	.0200	.0004	.0212	.0210	.0191	.4781	-.0013
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5374**	**-.0091**	**-.0261**	**-.0240**	**.0003**	**.0003**	**-.0003**	**-.0038**	**.0003**
Stddev	.0006	.0102	.0086	.0016	.0004	.0000	.0000	.0002	.0005
%RSD	.1202	112.1	33.18	6.541	142.4	4.425	11.22	4.648	195.4
#1	.5379	-.0019	-.0322	-.0229	.0005	.0002	-.0003	-.0037	-.0001
#2	.5370	-.0164	-.0200	-.0251	-.0000	.0003	-.0003	-.0040	.0007
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 10:56:41 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**-.0002**	**.0008**	**-.0001**	**-.0001**
Stddev	.0000	.0002	.0006	.0001	.0027	.0009	.0002
%RSD	262.3	1047.	71.95	44.61	349.4	974.6	284.1
#1	.0000	.0001	.0012	-.0001	.0026	.0006	-.0003
#2	-.0000	-.0002	.0004	-.0002	-.0011	-.0008	.0001
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56915.**	**9446.0**	**1839.3**	**3989.6**
Stddev	181.	6.7	2.2	7.8
%RSD	.31732	.07040	.11758	.19624
#1	57042.	9441.3	1840.8	3995.1
#2	56787.	9450.7	1837.8	3984.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 11:02:53 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**.0006**	**.0005**	**-.0001**	**-.0039**	**-.0000**	**-.0021**	**.0069**
Stddev	.0001	.0000	.0001	.0003	.0004	.0004	.0001	.0002	.0006
%RSD	7.597	.5572	12.03	51.84	457.1	10.93	443.3	11.53	9.315
#1	-.0015	-.0001	.0006	.0007	-.0004	-.0036	-.0001	-.0019	.0074
#2	-.0014	-.0001	.0007	.0003	.0002	-.0042	.0000	-.0022	.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	**.0013**	**-.0013**	**-.0035**	**-.0029**	**.0047**	**-.0031**	**.0059**	**501.3**	**392.4**
Stddev	.0006	.0000	.0008	.0023	.0012	.0003	.0021	.6	.2
%RSD	49.19	3.880	23.97	82.02	26.61	8.976	35.73	.1117	.0542
#1	.0008	-.0013	-.0041	-.0012	.0055	-.0033	.0073	500.9	392.6
#2	.0017	-.0012	-.0029	-.0045	.0038	-.0029	.0044	501.7	392.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**191.0**	**537.6**	**.1828**	**-.0134**	**.0001**	**-.0021**	**.0012**	**-.0079**	**-.0029**
Stddev	.3	.4	.0005	.0030	.0011	.0001	.0008	.0006	.0022
%RSD	.1443	.0695	.2857	22.45	772.8	5.053	65.09	7.323	75.63
#1	190.8	537.8	.1832	-.0112	.0009	-.0020	.0007	-.0083	-.0045
#2	191.2	537.3	.1825	-.0155	-.0006	-.0022	.0018	-.0075	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 11:02:53 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0002**	**.0125**	**.0016**	**-.0382**	**-.0154**	**.0037**
Stddev	.0001	.0004	.0015	.0005	.0007	.0005	.0002
%RSD	1.359	203.4	11.74	31.51	1.771	2.974	6.303
#1	-.0056	-.0001	.0115	.0013	-.0387	-.0151	.0036
#2	-.0055	.0005	.0136	.0020	-.0377	-.0158	.0039
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	**48402.**	**8629.3**	**1581.6**	**3012.0**
Stddev	79.	6.0	.5	1.2
%RSD	.16222	.06979	.03278	.03832
#1	48346.	8625.0	1581.2	3011.1
#2	48457.	8633.5	1581.9	3012.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/25/2014 11:09:00 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5019**	**.5052**	**1.024**	**.4816**	**.4604**	**.5142**	**.4689**	**.9676**	**1.019**
Stddev	.0135	.0162	.005	.0012	.0012	.0004	.0019	.0047	.004
%RSD	2.692	3.213	.4478	.2392	.2595	.0868	.4059	.4859	.3525
#1	.4923	.4937	1.021	.4808	.4596	.5145	.4702	.9642	1.016
#2	.5114	.5167	1.027	.4824	.4612	.5139	.4676	.9709	1.021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4677**	**.9365**	**1.064**	**.9401**	**.9543**	**1.071**	**1.059**	**502.5**	**382.5**
Stddev	.0004	.0018	.004	.0026	.0042	.006	.007	13.8	11.9
%RSD	.0955	.1958	.4151	.2773	.4444	.5557	.6729	2.749	3.120
#1	.4673	.9352	1.061	.9419	.9513	1.067	1.054	492.8	374.1
#2	.4680	.9377	1.068	.9382	.9573	1.075	1.064	512.3	391.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**198.0**	**536.1**	**.1772**	**.0014**	**.0039**	**.5015**	**.5462**	**-.0030**	**-.0022**
Stddev	5.8	16.7	.0111	.0023	.0001	.0026	.0010	.0013	.0006
%RSD	2.939	3.105	6.260	165.4	3.717	.5271	.1761	44.13	27.30
#1	193.9	524.4	.1851	-.0002	.0040	.4996	.5469	-.0040	-.0018
#2	202.1	547.9	.1694	.0030	.0038	.5034	.5455	-.0021	-.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: 6/25/2014 11:09:00 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0004**	**.5334**	**.5495**	**.4473**	**.5402**	**.5356**
Stddev	.0002	.0004	.0011	.0007	.0041	.0030	.0131
%RSD	4.015	98.97	.2002	.1265	.9215	.5523	2.449
#1	-.0052	.0007	.5326	.5500	.4502	.5381	.5263
#2	-.0055	.0001	.5341	.5490	.4444	.5423	.5449
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	**48532.**	**8530.9**	**1587.8**	**3032.2**
Stddev	62.	246.6	4.6	8.6
%RSD	.12808	2.8909	.29211	.28389
#1	48488.	8705.2	1591.1	3038.3
#2	48576.	8356.5	1584.5	3026.1

Zoom In Zoom Out

Sample Name: FeConf Acquired: 6/25/2014 11:14:57 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**-.0005**	**.0023**	**.0019**	**-.0018**	**.0002**	**.0051**
Stddev	.0001	.0000	.0000	.0004	.0005	.0000	.0001	.0000	.0013
%RSD	200.1	82.62	10.79	77.63	22.30	1.873	8.437	24.72	26.24
#1	-.0001	.0000	-.0003	-.0008	.0026	.0019	-.0019	.0001	.0041
#2	.0000	.0001	-.0004	-.0002	.0019	.0019	-.0017	.0002	.0060

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0007**	**.0008**	**.0036**	**-.0027**	**.0033**	**-.0012**	**.0400**	**.0346**
Stddev	.0004	.0003	.0004	.0010	.0001	.0013	.0014	.0054	.0020
%RSD	22.07	41.00	51.58	27.82	3.372	39.11	119.8	13.43	5.772
#1	.0019	.0008	.0011	.0029	-.0026	.0024	-.0022	.0362	.0332
#2	.0014	.0005	.0005	.0043	-.0028	.0042	-.0002	.0438	.0360

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**202.8**	**.0436**	**.0239**	**-.0134**	**-.0010**	**.0000**	**.0062**	**.0031**	**-.0014**
Stddev	.6	.0176	.0074	.0057	.0004	.0000	.0001	.0017	.0012
%RSD	.2757	40.44	30.93	42.22	44.65	57.38	.8361	55.56	84.50
#1	202.4	.0312	.0186	-.0094	-.0013	.0000	.0062	.0019	-.0023
#2	203.2	.0561	.0291	-.0174	-.0007	.0000	.0063	.0043	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**.0029**	**.0028**	**-.0054**	**-.0007**	**-.0005**
Stddev	.0000	.0005	.0010	.0000	.0010	.0008	.0006
%RSD	151.3	432.6	34.31	.5604	17.82	108.9	126.9
#1	-.0000	-.0004	.0036	.0027	-.0047	-.0002	-.0009
#2	.0000	.0002	.0022	.0028	-.0061	-.0013	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55478.**	**9372.8**	**1790.0**	**3887.7**
Stddev	58.	8.7	9.2	18.2
%RSD	.10486	.09243	.51414	.46777
#1	55437.	9378.9	1783.5	3874.9
#2	55519.	9366.6	1796.5	3900.6

Zoom In Zoom Out

Sample Name: CrConf Acquired: 6/25/2014 11:21:07 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**-.0006**	**11.66**	**-.0005**	**.0003**	**-.0004**	**.0009**
Stddev	.0001	.0001	.0001	.0001	.07	.0001	.0000	.0000	.0003
%RSD	27.54	3050.	128.8	15.22	.6236	20.15	5.945	8.704	30.52
#1	.0003	-.0001	-.0001	-.0006	11.71	-.0006	.0003	-.0005	.0007
#2	.0004	.0001	-.0000	-.0007	11.61	-.0004	.0003	-.0004	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0044**	**-.0023**	**.0032**	**-.0013**	**.0021**	**-.0024**	**-.0067**	**.0147**	**.0333**
Stddev	.0002	.0002	.0025	.0016	.0005	.0003	.0015	.0064	.0007
%RSD	4.477	8.317	79.08	122.2	25.30	10.76	22.63	43.84	1.984
#1	.0046	-.0021	.0050	-.0002	.0025	-.0026	-.0077	.0101	.0328
#2	.0043	-.0024	.0014	-.0024	.0017	-.0022	-.0056	.0192	.0338

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0196**	**.0251**	**-.0286**	**-.0110**	**.0010**	**.0006**	**-.0006**	**.0022**	**-.0006**
Stddev	.0046	.0121	.0102	.0021	.0004	.0001	.0005	.0005	.0000
%RSD	23.60	48.10	35.49	19.49	41.27	8.997	89.92	21.64	3.489
#1	.0163	.0336	-.0358	-.0094	.0007	.0005	-.0009	.0019	-.0006
#2	.0229	.0165	-.0214	-.0125	.0013	.0006	-.0002	.0026	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**-.0000**	**.0030**	**-.0022**	**.0028**	**-.0038**	**-.0004**
Stddev	.0000	.0003	.0001	.0000	.0015	.0001	.0003
%RSD	27.79	2444.	2.197	.9425	55.25	3.170	71.47
#1	.0002	.0002	.0029	-.0022	.0017	-.0039	-.0005
#2	.0001	-.0002	.0030	-.0022	.0039	-.0037	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56459.**	**9414.4**	**1786.3**	**3953.5**
Stddev	158.	5.9	6.0	5.5
%RSD	.28021	.06243	.33562	.13790
#1	56347.	9410.3	1782.1	3949.7
#2	56571.	9418.6	1790.6	3957.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 11:27:19 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.966**	**2.040**	**2.030**	**2.011**	**1.959**	**1.914**	**1.943**	**2.052**	**.2429**
Stddev	.003	.006	.007	.008	.017	.009	.018	.009	.0025
%RSD	.1524	.2765	.3365	.3934	.8497	.4739	.9539	.4369	1.022
#1	1.964	2.036	2.034	2.016	1.947	1.908	1.930	2.059	.2411
#2	1.969	2.044	2.025	2.005	1.970	1.921	1.956	2.046	.2446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.927**	**2.035**	**2.014**	**2.083**	**2.063**	**2.016**	**2.038**	**39.64**	**40.80**
Stddev	.015	.011	.007	.013	.003	.016	.008	.06	.24
%RSD	.7997	.5427	.3586	.6329	.1538	.8014	.4130	.1601	.5845
#1	1.916	2.043	2.019	2.092	2.066	2.028	2.044	39.68	40.63
#2	1.938	2.027	2.009	2.073	2.061	2.005	2.032	39.59	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	**42.48**	**40.94**	**37.82**	**38.48**	**2.060**	**2.066**	**1.950**	**5.121**	**2.084**
Stddev	.11	.13	.07	.04	.004	.009	.008	.016	.007
%RSD	.2483	.3084	.1759	.1013	.1759	.4562	.4195	.3139	.3476
#1	42.40	40.85	37.77	38.45	2.062	2.072	1.945	5.133	2.089
#2	42.55	41.03	37.87	38.50	2.057	2.059	1.956	5.110	2.079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 11:27:19 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.990**	**1.955**	**2.044**	**1.939**	**1.989**	**2.048**	**1.934**
Stddev	.003	.018	.003	.016	.009	.007	.000
%RSD	.1571	.9466	.1448	.8302	.4495	.3386	.0187
#1	1.988	1.942	2.046	1.928	1.995	2.052	1.935
#2	1.993	1.969	2.042	1.950	1.983	2.043	1.934
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	**53441.**	**9026.3**	**1727.5**	**3467.9**
Stddev	411.	49.8	3.9	7.9
%RSD	.76838	.55222	.22635	.22676
#1	53732.	9061.6	1724.7	3462.4
#2	53151.	8991.1	1730.3	3473.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 11:35:20 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

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**	**.0001**	**.0000**	**-.0001**	**.0003**
Stddev	.0000	.0001	.0000	.0001	.0004	.0000	.0000	.0001	.0001
%RSD	4.565	113.4	20.44	74.63	120.8	16.41	11.69	76.54	23.85
#1	-.0001	.0001	-.0001	.0001	-.0001	.0001	.0000	-.0000	.0003
#2	-.0001	.0000	-.0001	.0000	-.0007	.0001	.0000	-.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0002**	**-.0007**	**-.0006**	**.0009**	**.0008**	**.0001**	**-.0007**	**-.0026**
Stddev	.0000	.0000	.0002	.0005	.0011	.0023	.0008	.0008	.0013
%RSD	89.36	17.17	30.52	75.59	118.1	274.4	1420.	111.0	50.52
#1	-.0000	-.0002	-.0006	-.0010	.0002	-.0008	.0007	-.0013	-.0017
#2	-.0000	-.0002	-.0009	-.0003	.0017	.0025	-.0005	-.0002	-.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**.0092**	**-.0166**	**-.0230**	**.0007**	**.0005**	**.0001**	**-.0015**	**-.0003**
Stddev	.0003	.0254	.0022	.0023	.0002	.0000	.0014	.0002	.0006
%RSD	14.54	276.1	13.39	10.13	25.89	4.173	925.7	13.62	196.4
#1	-.0025	.0272	-.0182	-.0246	.0008	.0005	.0011	-.0017	-.0008
#2	-.0020	-.0088	-.0150	-.0214	.0005	.0006	-.0008	-.0014	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 11:35:20 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0045**	**.0001**	**-.0012**	**-.0004**	**-.0000**
Stddev	.0000	.0002	.0001	.0001	.0013	.0000	.0001
%RSD	66.52	944.7	1.845	77.20	111.1	10.05	5652.
#1	.0000	-.0001	.0045	.0001	-.0003	-.0005	.0000
#2	.0001	.0002	.0044	.0002	-.0022	-.0004	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56218.**	**9306.4**	**1820.7**	**3953.1**
Stddev	4.	30.9	16.3	30.7
%RSD	.00639	.33170	.89590	.77650
#1	56221.	9328.3	1832.3	3974.8
#2	56215.	9284.6	1809.2	3931.4

Zoom In Zoom Out

Sample Name: mp80240-mb1conf Acquired: 6/25/2014 11:41:30 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC rerun

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0001**	**-.0001**	**.0001**	**-.0003**	**.0002**	**.0001**	**.0000**	**-.0001**
Stddev	.0003	.0001	.0001	.0001	.0002	.0001	.0000	.0002	.0002
%RSD	272.4	59.76	96.63	123.9	62.83	40.31	32.37	616.4	114.9
#1	.0003	.0002	-.0002	.0000	-.0005	.0003	.0001	.0002	-.0000
#2	-.0001	.0001	-.0000	.0001	-.0002	.0002	.0001	-.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**-.0002**	**.0010**	**.0020**	**.0008**	**-.0024**	**-.0020**	**-.0028**	**-.0002**
Stddev	.0003	.0000	.0010	.0016	.0005	.0002	.0012	.0031	.0026
%RSD	2225.	11.79	98.30	81.46	57.83	9.263	59.15	110.6	1159.
#1	.0002	-.0003	.0017	.0008	.0011	-.0023	-.0029	-.0006	.0016
#2	-.0002	-.0002	.0003	.0031	.0005	-.0026	-.0012	-.0051	-.0020

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0021**	**.0085**	**-.0241**	**-.0262**	**-.0001**	**.0001**	**-.0001**	**-.0042**	**-.0004**
Stddev	.0019	.0107	.0067	.0074	.0001	.0001	.0004	.0005	.0008
%RSD	88.89	125.8	27.93	28.26	84.85	133.9	613.1	12.51	223.3
#1	.0035	.0009	-.0194	-.0210	-.0002	.0002	-.0004	-.0046	.0002
#2	.0008	.0161	-.0289	-.0315	-.0001	.0000	.0002	-.0038	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0069**	**-.0000**	**.0011**	**.0015**	**.0000**
Stddev	.0000	.0001	.0001	.0002	.0019	.0010	.0002
%RSD	33.70	60.09	1.439	1062.	165.3	64.78	1766.
#1	.0001	-.0001	.0070	.0001	-.0002	.0022	.0001
#2	.0000	-.0002	.0068	-.0002	.0025	.0008	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57395.**	**9569.8**	**1848.8**	**4065.9**
Stddev	534.	60.9	8.7	9.0
%RSD	.93102	.63667	.46935	.22014
#1	57017.	9612.9	1854.9	4072.2
#2	57773.	9526.7	1842.6	4059.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 11:47:40 Type: QC
Method: Accutest1(v297) 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**	**.0009**	**.0010**	**.0031**	**.0020**	**.0023**	**.0031**	**.0038**
Stddev	.0001	.0001	.0000	.0001	.0003	.0001	.0001	.0002
%RSD	2.882	9.479	4.274	2.728	16.49	5.835	2.103	5.913
#1	.0039	.0009	.0010	.0032	.0023	.0022	.0031	.0036
#2	.0037	.0010	.0011	.0030	.0018	.0023	.0032	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0006**	**.0021**	**.0118**	**.0030**	**.0016**	**.0024**	**.0055**	**.0027**
Stddev	.0001	.0002	.0000	.0004	.0006	.0005	.0001	.0005
%RSD	20.28	9.681	.3032	14.50	39.95	20.60	2.012	18.58
#1	.0005	.0020	.0118	.0027	.0011	.0028	.0055	.0024
#2	.0007	.0022	.0119	.0033	.0020	.0021	.0054	.0031
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0010							
Range	-30.00%							

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1045**	**1.039**	**-.0001**	**.1188**	**1.866**	**.9416**	**.0108**	**.0001**
Stddev	.0021	.008	.0006	.0045	.010	.0034	.0005	.0000
%RSD	1.987	.8093	427.7	3.814	.5480	.3571	4.242	10.75
#1	.1030	1.045	.0003	.1156	1.874	.9440	.0105	.0001
#2	.1059	1.033	-.0006	.1220	1.859	.9392	.0111	.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: 6/25/2014 11:47:40 Type: QC
Method: Accutest1(v297) 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**	**-.0049**	**-.0002**	**-.0000**	**-.0002**	F **.0026**	F **-.0000**	F **.0012**
Stddev	.0007	.0005	.0007	.0001	.0005	.0001	.0001	.0039
%RSD	94.19	10.54	450.0	168.0	337.6	2.664	612.0	324.4
#1	.0003	-.0046	-.0006	-.0001	-.0005	.0025	.0000	-.0016
#2	.0013	-.0053	.0003	.0000	.0002	.0026	-.0001	.0040
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 **-.0008**	F **.0002**
Stddev	.0003	.0012
%RSD	33.75	517.6
#1	-.0010	-.0006
#2	-.0006	.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	**56277.**	**9264.7**	**1812.2**	**3921.6**
Stddev	69.	97.8	.8	5.9
%RSD	.12301	1.0561	.04364	.14929
#1	56228.	9195.5	1811.7	3917.5
#2	56326.	9333.9	1812.8	3925.8

Zoom In Zoom Out

Sample Name: jb70052-1q 2 Acquired: 6/25/2014 11:53:48 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**.0002**	**-.0001**	**.0004**	**.0001**	**.0001**	**.0000**
Stddev	.0001	.0000	.0001	.0001	.0004	.0004	.0000	.0002	.0003
%RSD	141.2	112.6	19.35	37.43	287.8	93.16	2.345	289.3	681.7
#1	.0000	.0000	-.0002	.0001	-.0004	.0001	.0001	-.0001	.0002
#2	.0001	.0000	-.0003	.0002	.0001	.0007	.0001	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0044**	**.0002**	**.0018**	**.0005**	**-.0009**	**-.0011**	**.0034**	**.0075**
Stddev	.0001	.0000	.0024	.0020	.0003	.0007	.0001	.0057	.0018
%RSD	60.10	.0252	1371.	114.4	71.29	77.41	5.718	167.2	23.94
#1	.0003	.0044	-.0015	.0003	.0007	-.0014	-.0011	.0074	.0087
#2	.0001	.0044	.0018	.0032	.0002	-.0004	-.0010	-.0006	.0062

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0012**	**-.0092**	**-.0298**	**-.0095**	**-.0005**	**-.0001**	**-.0002**	**-.0044**	**.0005**
Stddev	.0030	.0034	.0186	.0022	.0009	.0001	.0000	.0001	.0004
%RSD	255.4	36.58	62.52	22.98	165.9	117.6	4.843	2.627	68.93
#1	.0009	-.0068	-.0166	-.0080	-.0011	-.0002	-.0002	-.0044	.0003
#2	-.0033	-.0116	-.0430	-.0110	.0001	-.0000	-.0002	-.0043	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0000**	**.0015**	**-.0003**	**.0058**	**.0014**	**-.0003**
Stddev	.0000	.0003	.0002	.0000	.0002	.0005	.0003
%RSD	34.57	1414.	13.15	8.189	3.473	35.68	102.6
#1	.0001	-.0002	.0014	-.0002	.0059	.0010	-.0005
#2	.0000	.0002	.0017	-.0003	.0056	.0017	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57354.**	**9590.5**	**1838.9**	**4041.1**
Stddev	47.	84.4	8.9	14.3
%RSD	.08116	.88045	.48497	.35275
#1	57321.	9530.8	1832.6	4031.0
#2	57387.	9650.3	1845.2	4051.2

Zoom In Zoom Out

Sample Name: jb70054-1q Acquired: 6/25/2014 11:59:54 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**.0004**	**-.0000**	**.0000**	**-.0005**
Stddev	.0000	.0000	.0001	.0001	.0001	.0004	.0000	.0000	.0001
%RSD	5.021	115.6	71.89	87.80	45.26	95.04	69.99	10760.	17.61
#1	-.0001	-.0000	-.0001	.0001	-.0003	.0001	-.0000	-.0000	-.0004
#2	-.0001	-.0000	-.0002	.0003	-.0002	.0006	-.0000	.0000	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0002**	**.0016**	**.0007**	**-.0004**	**-.0008**	**-.0015**	**-.0033**	**-.0030**
Stddev	.0005	.0002	.0010	.0005	.0013	.0009	.0008	.0006	.0010
%RSD	598.4	91.64	63.16	76.58	319.2	107.1	52.23	17.65	34.09
#1	-.0003	-.0001	.0009	.0003	-.0013	-.0002	-.0021	-.0038	-.0023
#2	.0004	-.0003	.0023	.0011	.0005	-.0014	-.0010	-.0029	-.0037

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0016**	**-.0103**	**-.0312**	**-.0226**	**-.0005**	**.0003**	**-.0001**	**-.0045**	**-.0005**
Stddev	.0006	.0179	.0016	.0031	.0001	.0004	.0008	.0004	.0012
%RSD	40.17	172.7	4.971	13.91	19.90	107.5	604.4	9.412	231.8
#1	.0011	.0023	-.0301	-.0204	-.0006	.0006	.0004	-.0042	.0003
#2	.0020	-.0230	-.0323	-.0248	-.0005	.0001	-.0007	-.0048	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**.0188**	**-.0000**	**.0033**	**.0021**	**-.0005**
Stddev	.0000	.0004	.0008	.0002	.0022	.0010	.0001
%RSD	133.3	163.9	4.297	412.8	67.14	45.87	11.17
#1	.0000	-.0000	.0194	-.0002	.0018	.0014	-.0004
#2	.0000	.0005	.0182	.0001	.0049	.0028	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55733.**	**9726.5**	**1843.3**	**4055.3**
Stddev	293.	166.0	8.4	18.1
%RSD	.52554	1.7066	.45327	.44663
#1	55940.	9843.9	1837.4	4042.5
#2	55526.	9609.2	1849.2	4068.1

Zoom In Zoom Out

Sample Name: jb70055-1q Acquired: 6/25/2014 12:06:02 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**.0003**	**-.0005**	**.0009**	**.0001**	**-.0001**	**-.0000**
Stddev	.0000	.0001	.0000	.0000	.0003	.0001	.0000	.0002	.0004
%RSD	36.65	1576.	9.807	14.78	63.14	13.15	12.91	154.2	1064.
#1	-.0001	.0000	-.0003	.0003	-.0003	.0009	.0001	.0000	-.0003
#2	-.0001	-.0000	-.0002	.0002	-.0008	.0010	.0001	-.0002	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0029**	**.0006**	**.0003**	**.0006**	**-.0019**	**-.0023**	**-.0025**	**.0186**
Stddev	.0001	.0001	.0011	.0011	.0020	.0020	.0003	.0033	.0005
%RSD	167.9	2.574	172.4	419.8	343.1	104.9	14.12	134.7	2.547
#1	.0001	.0029	.0014	-.0005	-.0008	-.0005	-.0026	-.0048	.0183
#2	-.0000	.0028	-.0001	.0010	.0020	-.0033	-.0021	-.0001	.0189

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0029**	**-.0329**	**-.0183**	**-.0102**	**-.0006**	**-.0002**	**.0003**	**-.0011**	**-.0004**
Stddev	.0021	.0101	.0154	.0020	.0003	.0000	.0004	.0006	.0004
%RSD	74.11	30.88	83.85	19.59	45.41	10.89	118.5	58.72	95.87
#1	.0014	-.0400	-.0292	-.0088	-.0007	-.0003	.0006	-.0015	-.0007
#2	.0044	-.0257	-.0075	-.0116	-.0004	-.0002	.0001	-.0006	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0001**	**.0052**	**-.0001**	**.0077**	**.0012**	**-.0004**
Stddev	.0000	.0005	.0002	.0001	.0025	.0001	.0003
%RSD	722.2	359.5	4.174	59.83	32.46	10.69	70.38
#1	.0000	.0005	.0053	-.0001	.0059	.0013	-.0002
#2	-.0000	-.0002	.0050	-.0001	.0094	.0011	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56548.**	**9543.6**	**1853.7**	**4077.0**
Stddev	182.	42.3	29.5	52.1
%RSD	.32272	.44322	1.5889	1.2784
#1	56677.	9573.5	1874.6	4113.8
#2	56419.	9513.7	1832.9	4040.1

Zoom In Zoom Out

Sample Name: jb70051-1q Acquired: 6/25/2014 12:12:10 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**.0000**	**.0001**	**.0002**	**.0001**	**-.0002**	**-.0002**
Stddev	.0002	.0001	.0001	.0003	.0001	.0000	.0000	.0001	.0000
%RSD	111.5	318.4	216.4	1516.	156.2	15.41	3.097	33.35	20.81
#1	-.0000	.0000	-.0000	.0002	-.0000	.0001	.0001	-.0002	-.0001
#2	-.0003	-.0001	.0001	-.0002	.0002	.0002	.0001	-.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0005**	**-.0007**	**-.0007**	**-.0007**	**.0019**	**-.0001**	**.0049**	**.0107**
Stddev	.0001	.0000	.0015	.0005	.0004	.0002	.0003	.0090	.0032
%RSD	70.48	1.150	225.5	76.51	54.71	12.44	256.4	181.0	30.41
#1	.0001	.0005	.0004	-.0010	-.0009	.0017	.0001	.0113	.0084
#2	.0000	.0005	-.0018	-.0003	-.0004	.0021	-.0003	-.0014	.0130

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0057**	**-.0050**	**-.0382**	**-.0166**	**.0006**	**.0004**	**.0018**	**.0131**	**-.0000**
Stddev	.0009	.0157	.0061	.0003	.0004	.0001	.0000	.0004	.0001
%RSD	15.01	313.3	15.92	2.030	65.89	14.06	.2486	3.167	359.0
#1	.0051	.0061	-.0425	-.0163	.0009	.0004	.0018	.0128	-.0001
#2	.0063	-.0161	-.0339	-.0168	.0003	.0004	.0018	.0134	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0000**	**.0019**	**.0001**	**.0020**	**-.0006**	**.0003**
Stddev	.0000	.0004	.0008	.0003	.0008	.0011	.0000
%RSD	164.0	934.0	40.04	332.5	37.59	190.9	2.223
#1	.0000	.0002	.0013	-.0001	.0015	.0002	.0003
#2	-.0000	-.0003	.0024	.0003	.0026	-.0013	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56273.**	**9452.1**	**1805.3**	**3945.7**
Stddev	.	19.6	9.8	14.4
%RSD	.00013	.20774	.54097	.36455
#1	56274.	9466.0	1812.2	3955.9
#2	56273.	9438.3	1798.4	3935.5

Zoom In Zoom Out

Sample Name: jb69575-6 2 Acquired: 6/25/2014 12:18:19 Type: Unk
Method: Accutest1(v297) 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	**.0972**	**-.0010**	**-.0002**	**.0029**	**.0113**	**.0467**	**.2370**	**.0114**	**.0034**
Stddev	.0011	.0006	.0009	.0004	.0016	.0013	.0014	.0020	.0011
%RSD	1.104	64.02	408.0	13.68	14.53	2.759	.5935	17.70	31.42
#1	.0980	-.0015	.0004	.0031	.0101	.0458	.2360	.0099	.0026
#2	.0964	-.0006	-.0009	.0026	.0125	.0476	.2380	.0128	.0041

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0076**	**.3031**	**.0064**	**.0061**	**.0663**	**.0199**	**-.0059**	**1.620**	**192.1**
Stddev	.0018	.0007	.0108	.0062	.0007	.0156	.0011	.049	.8
%RSD	23.16	.2381	169.3	101.1	1.104	78.35	19.06	3.037	.4006
#1	.0089	.3036	-.0013	.0018	.0669	.0309	-.0067	1.585	192.6
#2	.0064	.3026	.0140	.0105	.0658	.0089	-.0051	1.655	191.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.999**	**514.5**	**142.1**	**3685.**	**1.885**	**.0050**	**.0008**	**4.264**	**.0165**
Stddev	.058	4.0	.6	48.	.010	.0001	.0036	.014	.0004
%RSD	1.440	.7732	.4565	1.299	.5388	1.753	481.6	.3311	2.588
#1	4.039	517.3	141.6	3719.	1.892	.0050	.0033	4.274	.0168
#2	3.958	511.6	142.6	3651.	1.878	.0051	-.0018	4.254	.0162

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.050**	**.0649**	**-.0033**	**-.0050**	**378.9**	**-.0099**	**.0920**
Stddev	.007	.0093	.0126	.0012	1.3	.0024	.0060
%RSD	.2405	14.35	379.7	23.21	.3445	24.67	6.497
#1	3.045	.0583	-.0122	-.0042	379.8	-.0116	.0878
#2	3.056	.0715	.0056	-.0058	377.9	-.0082	.0962

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49258.**	**9071.5**	**1640.9**	**3234.5**
Stddev	298.	41.6	1.2	.8
%RSD	.60437	.45805	.07304	.02521
#1	49469.	9042.1	1640.1	3234.0
#2	49048.	9100.8	1641.8	3235.1

Zoom In Zoom Out

Sample Name: jb69575-6f Acquired: 6/25/2014 12:24:30 Type: Unk
Method: Accutest1(v297) 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	**.0656**	**-.0001**	**.0000**	**.0026**	**-.0032**	**.0087**	**.1302**	**-.0011**	**.0027**
Stddev	.0021	.0009	.0010	.0018	.0064	.0003	.0009	.0003	.0009
%RSD	3.140	770.2	55500.	69.12	199.4	3.168	.7101	28.31	34.81
#1	.0671	-.0007	.0007	.0013	.0013	.0085	.1296	-.0013	.0020
#2	.0641	.0005	-.0007	.0039	-.0078	.0089	.1309	-.0009	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0019**	**.0039**	**-.0066**	**-.0073**	**.0050**	**.0241**	**-.0133**	**.0517**	**226.9**
Stddev	.0008	.0011	.0161	.0017	.0016	.0089	.0016	.0038	7.2
%RSD	39.26	26.87	246.0	23.85	32.15	36.88	12.09	7.355	3.155
#1	-.0025	.0032	-.0180	-.0061	.0038	.0304	-.0145	.0490	231.9
#2	-.0014	.0047	.0048	-.0086	.0061	.0178	-.0122	.0544	221.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1366**	**615.2**	**168.7**	**4269.**	**2.193**	**.0099**	**.0030**	**.4590**	**.0062**
Stddev	.0003	21.0	4.3	61.	.002	.0002	.0136	.0073	.0107
%RSD	.2520	3.416	2.556	1.436	.0748	2.086	456.9	1.589	171.9
#1	.1368	630.0	171.7	4312.	2.191	.0100	.0126	.4642	-.0013
#2	.1363	600.3	165.6	4225.	2.194	.0098	-.0066	.4539	.0138

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.609**	**.0062**	**-.0070**	**-.0076**	**443.4**	**-.0113**	**.1074**
Stddev	.097	.0030	.0140	.0009	1.3	.0128	.0037
%RSD	2.693	48.07	199.1	12.28	.2826	113.5	3.439
#1	3.677	.0082	.0029	-.0070	444.3	-.0022	.1100
#2	3.540	.0041	-.0169	-.0083	442.5	-.0203	.1048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49186.**	**8941.8**	**1635.3**	**3196.6**
Stddev	19.	225.6	2.5	3.4
%RSD	.03875	2.5235	.15505	.10712
#1	49200.	8782.3	1633.5	3194.2
#2	49173.	9101.4	1637.1	3199.1

Zoom In Zoom Out

Sample Name: jb69647-1a Acquired: 6/25/2014 12:30:43 Type: Unk
Method: Accutest1(v297) 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	**.6122**	**.0050**	**.0014**	**.0889**	**.3988**	**.2870**	**5.194**	**.2497**	**.0172**
Stddev	.0004	.0001	.0004	.0018	.0011	.0001	.022	.0033	.0021
%RSD	.0729	1.145	25.49	2.011	.2817	.0360	.4268	1.321	12.06
#1	.6125	.0049	.0016	.0876	.3996	.2869	5.209	.2474	.0157
#2	.6119	.0050	.0011	.0902	.3980	.2871	5.178	.2521	.0186

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1990**	**.9856**	**.0566**	**.0020**	**.1758**	**.0125**	**-.0014**	**91.94**	**83.66**
Stddev	.0010	.0098	.0014	.0012	.0013	.0026	.0016	.08	.38
%RSD	.5231	.9954	2.480	58.22	.7605	20.41	109.8	.0872	.4556
#1	.1983	.9787	.0576	.0012	.1749	.0107	-.0003	91.88	83.39
#2	.1998	.9926	.0556	.0028	.1768	.0143	-.0026	91.99	83.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**218.9**	**67.98**	**12.36**	**7.880**	**.0654**	**.0454**	**.0592**	**58.44**	**.0013**
Stddev	.3	.18	.02	.004	.0001	.0011	.0003	.72	.0012
%RSD	.1425	.2632	.1981	.0438	.2228	2.412	.5002	1.225	92.21
#1	218.7	67.85	12.38	7.878	.0653	.0446	.0590	57.94	.0004
#2	219.1	68.10	12.34	7.883	.0655	.0462	.0594	58.95	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2389**	**2.472**	**.0539**	**.0450**	**5.860**	**-.0085**	**.1651**
Stddev	.0002	.006	.0014	.0002	.069	.0008	.0003
%RSD	.0760	.2492	2.584	.4172	1.174	9.822	.1812
#1	.2388	2.476	.0529	.0449	5.811	-.0091	.1649
#2	.2391	2.467	.0549	.0452	5.909	-.0079	.1654

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	55072.	9468.9	1793.6	3616.4
Stddev	198.	45.1	13.3	27.8
%RSD	.35917	.47608	.74193	.76980
#1	54932.	9500.8	1803.0	3636.1
#2	55212.	9437.1	1784.2	3596.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 12:36:47 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.914**	**1.994**	**2.015**	**1.989**	**1.978**	**1.924**	**1.973**	**2.045**	**.2417**
Stddev	.012	.010	.002	.002	.020	.012	.019	.003	.0021
%RSD	.6169	.5081	.1122	.1097	.9930	.6095	.9495	.1283	.8559
#1	1.906	1.987	2.013	1.988	1.992	1.932	1.986	2.043	.2431
#2	1.923	2.001	2.017	1.991	1.964	1.916	1.960	2.047	.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	**1.938**	**2.014**	**2.009**	**2.057**	**2.062**	**2.017**	**2.032**	**38.80**	**40.08**
Stddev	.020	.004	.004	.003	.004	.001	.004	.21	.01
%RSD	1.051	.2197	.2175	.1375	.1794	.0474	.1902	.5346	.0319
#1	1.953	2.011	2.006	2.055	2.059	2.016	2.029	38.66	40.09
#2	1.924	2.017	2.012	2.059	2.064	2.017	2.035	38.95	40.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.60**	**39.99**	**37.03**	**37.32**	**2.053**	**2.062**	**1.959**	**5.121**	**2.072**
Stddev	.02	.18	.13	.26	.006	.004	.014	.022	.005
%RSD	.0556	.4378	.3501	.6912	.3007	.1704	.7039	.4333	.2419
#1	41.58	39.87	36.94	37.14	2.049	2.060	1.969	5.105	2.068
#2	41.61	40.11	37.13	37.51	2.057	2.065	1.950	5.136	2.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 12:36:47 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.932**	**1.967**	**2.047**	**1.953**	**1.972**	**2.030**	**1.890**
Stddev	.013	.018	.006	.016	.010	.008	.016
%RSD	.6692	.9178	.2750	.7985	.4849	.4082	.8425
#1	1.923	1.980	2.043	1.964	1.966	2.024	1.879
#2	1.941	1.955	2.051	1.942	1.979	2.036	1.901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	52812.	9189.8	1734.1	3482.8
Stddev	369.	15.3	3.1	2.4
%RSD	.69797	.16635	.17732	.06945
#1	52551.	9200.6	1736.3	3484.5
#2	53072.	9179.0	1732.0	3481.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 12:42:42 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0000**	**.0003**	**-.0001**	**.0000**	**.0001**	**-.0002**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0001	.0004	.0000	.0000	.0001
%RSD	19.27	22.74	399.4	66.34	110.8	790.6	20.17	18.60	222.8
#1	.0001	.0001	.0001	.0004	-.0000	.0003	.0001	-.0001	.0000
#2	.0001	.0001	-.0001	.0001	-.0002	-.0002	.0002	-.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0004**	**-.0020**	**-.0003**	**.0000**	**.0003**	**-.0002**	**.0006**	**-.0031**
Stddev	.0000	.0001	.0002	.0003	.0006	.0019	.0007	.0054	.0020
%RSD	.0600	28.51	8.238	89.39	2424.	591.5	296.8	886.8	63.43
#1	.0004	-.0003	-.0019	-.0001	.0004	-.0010	-.0007	.0044	-.0045
#2	.0004	-.0004	-.0022	-.0005	-.0004	.0017	.0003	-.0032	-.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0136**	**-.0157**	**.0060**	**.0008**	**.0007**	**.0006**	**.0062**	**.0005**
Stddev	.0011	.0219	.0097	.0041	.0001	.0002	.0009	.0005	.0011
%RSD	128.3	161.0	61.74	67.63	10.56	28.81	142.1	7.741	220.3
#1	.0001	-.0019	-.0089	.0031	.0007	.0006	-.0000	.0058	.0012
#2	.0017	.0291	-.0226	.0089	.0008	.0009	.0013	.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: 6/25/2014 12:42:42 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**.0048**	**.0003**	**-.0026**	**.0002**	**.0012**
Stddev	.0000	.0000	.0011	.0001	.0000	.0006	.0006
%RSD	15.16	330.4	21.83	22.48	1.473	311.8	52.96
#1	.0001	-.0000	.0056	.0003	-.0026	-.0002	.0007
#2	.0001	.0000	.0041	.0002	-.0027	.0006	.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	**56150.**	**9382.4**	**1836.0**	**3967.8**
Stddev	73.	6.9	3.1	4.0
%RSD	.12937	.07337	.16730	.09961
#1	56099.	9377.6	1838.1	3970.6
#2	56202.	9387.3	1833.8	3965.0

Zoom In Zoom Out

Sample Name: jb69740-2 Acquired: 6/25/2014 12:48:54 Type: Unk
Method: Accutest1(v297) 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	**.2409**	**-.0001**	**.0008**	**.0019**	**.0163**	**.0268**	**.2695**	**.0091**	**.0007**
Stddev	.0062	.0001	.0001	.0001	.0002	.0012	.0070	.0005	.0012
%RSD	2.561	166.8	10.92	3.211	1.160	4.475	2.589	6.005	168.7
#1	.2452	.0000	.0008	.0020	.0164	.0260	.2646	.0087	-.0001
#2	.2365	-.0002	.0009	.0019	.0162	.0277	.2745	.0095	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0049**	**.0237**	**.0039**	**-.0029**	**.0136**	**.0025**	**-.0011**	**.4358**	**200.3**
Stddev	.0006	.0000	.0029	.0046	.0018	.0036	.0002	.0061	4.9
%RSD	12.46	.1944	73.77	157.8	13.52	145.3	18.89	1.404	2.437
#1	.0045	.0237	.0060	-.0062	.0150	.0050	-.0013	.4402	203.8
#2	.0053	.0236	.0019	.0003	.0123	-.0001	-.0010	.4315	196.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.030**	**106.0**	**59.88**	**949.3**	**.5144**	**.0604**	**.0077**	**9.118**	**.0015**
Stddev	.014	2.4	1.54	17.9	.0002	.0003	.0014	.031	.0012
%RSD	1.325	2.291	2.568	1.881	.0473	.4767	18.23	.3424	80.50
#1	1.040	107.7	60.97	961.9	.5146	.0606	.0067	9.140	.0024
#2	1.021	104.3	58.79	936.7	.5143	.0602	.0087	9.096	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.710**	**.0210**	**.0184**	**-.0010**	**115.8**	**-.0030**	**.0362**
Stddev	.042	.0011	.0020	.0004	.3	.0013	.0026
%RSD	2.479	5.179	10.83	41.03	.2414	42.84	7.111
#1	1.740	.0202	.0170	-.0013	116.0	-.0039	.0381
#2	1.680	.0217	.0198	-.0007	115.6	-.0021	.0344

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**47372.**	**8942.0**	**1578.7**	**3073.3**
Stddev	854.	183.3	4.5	7.1
%RSD	1.8023	2.0503	.28634	.23152
#1	47976.	8812.3	1575.5	3068.2
#2	46768.	9071.6	1581.9	3078.3

Zoom In Zoom Out

Sample Name: jb69740-2 Acquired: 6/25/2014 12:55:06 Type: Unk
Method: Accutest1(v297) 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	**.2424**	**-.0002**	**.0010**	**.0011**	**.0163**	**.0266**	**.2697**	**.0092**	**.0037**
Stddev	.0011	.0003	.0003	.0008	.0005	.0003	.0001	.0002	.0012
%RSD	.4665	131.0	30.90	69.32	2.903	1.220	.0287	2.230	31.37
#1	.2432	-.0004	.0013	.0016	.0160	.0268	.2697	.0090	.0045
#2	.2416	-.0000	.0008	.0006	.0167	.0263	.2698	.0093	.0029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0060**	**.0293**	**.0004**	**.0018**	**.0108**	**.0073**	**-.0063**	**.4527**	**205.2**
Stddev	.0007	.0004	.0018	.0054	.0010	.0051	.0010	.0267	.2
%RSD	12.00	1.435	437.2	302.3	9.403	69.32	15.96	5.907	.0920
#1	.0055	.0296	-.0009	-.0020	.0101	.0037	-.0071	.4338	205.4
#2	.0065	.0290	.0017	.0056	.0115	.0109	-.0056	.4716	205.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.042**	**107.0**	**58.90**	**997.5**	**.5182**	**.0605**	**.0032**	**9.075**	**-.0019**
Stddev	.003	.6	.01	4.2	.0037	.0008	.0070	.001	.0017
%RSD	.2358	.5851	.0244	.4244	.7139	1.302	215.9	.0127	87.79
#1	1.044	106.5	58.92	994.5	.5208	.0611	.0081	9.076	-.0007
#2	1.040	107.4	58.89	1001.	.5156	.0600	-.0017	9.075	-.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.727**	**.0199**	**.0190**	**-.0003**	**112.9**	**-.0042**	**.0379**
Stddev	.003	.0003	.0039	.0002	.1	.0008	.0009
%RSD	.1622	1.429	20.66	74.71	.1120	18.60	2.286
#1	1.729	.0201	.0162	-.0001	112.8	-.0036	.0373
#2	1.725	.0197	.0217	-.0005	113.0	-.0047	.0385

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50711.**	**9046.0**	**1673.7**	**3349.1**
Stddev	14.	15.4	2.5	.6
%RSD	.02760	.17015	.14838	.01843
#1	50701.	9035.1	1671.9	3348.6
#2	50720.	9056.9	1675.4	3349.5

Zoom In Zoom Out

Sample Name: jb69740-3 Acquired: 6/25/2014 13:01:18 Type: Unk
Method: Accutest1(v297) 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	**.2815**	**-.0001**	**.0014**	**.0023**	**.0210**	**.0353**	**.2194**	**.0098**	**.0029**
Stddev	.0010	.0001	.0004	.0001	.0002	.0007	.0016	.0003	.0012
%RSD	.3510	115.6	25.79	5.832	.8863	1.974	.7396	2.710	42.38
#1	.2808	-.0002	.0016	.0022	.0212	.0348	.2182	.0096	.0038
#2	.2822	-.0000	.0011	.0024	.0209	.0358	.2205	.0100	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0066**	**.0272**	**.0008**	**-.0012**	**.0155**	**.0021**	**-.0038**	**.6174**	**210.6**
Stddev	.0012	.0000	.0018	.0026	.0025	.0029	.0016	.0035	.1
%RSD	17.51	.0709	236.7	216.8	16.42	136.9	42.35	.5720	.0672
#1	.0074	.0272	.0021	-.0030	.0137	.0001	-.0027	.6199	210.5
#2	.0058	.0272	-.0005	.0006	.0173	.0042	-.0049	.6149	210.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.140**	**98.71**	**61.06**	**940.1**	**.4920**	**.0633**	**.0066**	**9.469**	**.0003**
Stddev	.003	.17	.14	4.8	.0014	.0003	.0023	.000	.0008
%RSD	.2225	.1753	.2370	.5142	.2810	.5411	35.22	.0030	256.2
#1	1.138	98.58	61.16	936.7	.4930	.0631	.0050	9.469	-.0003
#2	1.142	98.83	60.96	943.5	.4911	.0636	.0082	9.469	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.781**	**.0278**	**.0154**	**-.0002**	**115.4**	**-.0035**	**.0341**
Stddev	.001	.0014	.0003	.0003	.0	.0002	.0004
%RSD	.0511	5.166	2.151	172.4	.0271	6.417	1.171
#1	1.781	.0288	.0156	.0000	115.4	-.0036	.0338
#2	1.780	.0268	.0151	-.0004	115.5	-.0033	.0344

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**47798.**	**8915.8**	**1570.3**	**3065.9**
Stddev	30.	18.6	2.0	4.7
%RSD	.06279	.20852	.12880	.15315
#1	47777.	8929.0	1568.9	3062.6
#2	47820.	8902.7	1571.8	3069.2

Zoom In Zoom Out

Sample Name: jb69740-3 Acquired: 6/25/2014 13:07:31 Type: Unk
Method: Accutest1(v297) 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	**.2801**	**-.0003**	**.0010**	**.0011**	**.0194**	**.0365**	**.2215**	**.0085**	**.0006**
Stddev	.0007	.0004	.0003	.0002	.0004	.0009	.0004	.0014	.0017
%RSD	.2613	113.9	25.30	21.31	1.868	2.419	.2023	16.84	264.3
#1	.2806	-.0006	.0008	.0012	.0196	.0358	.2212	.0075	-.0005
#2	.2796	-.0001	.0012	.0009	.0191	.0371	.2218	.0095	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.0291**	**.0032**	**-.0012**	**.0148**	**.0109**	**-.0026**	**.5866**	**214.4**
Stddev	.0001	.0008	.0002	.0014	.0009	.0053	.0017	.0046	.9
%RSD	2.446	2.609	7.012	115.4	6.049	48.81	63.52	.7765	.4086
#1	.0047	.0285	.0030	-.0002	.0154	.0146	-.0014	.5834	215.1
#2	.0046	.0296	.0033	-.0022	.0141	.0071	-.0038	.5898	213.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.159**	**99.07**	**59.47**	**978.2**	**.4938**	**.0639**	**.0069**	**9.322**	**-.0014**
Stddev	.019	.14	.12	9.7	.0040	.0004	.0022	.019	.0021
%RSD	1.618	.1402	.1960	.9911	.8016	.5663	31.45	.2021	150.5
#1	1.146	99.17	59.55	985.1	.4910	.0641	.0053	9.308	.0001
#2	1.173	98.97	59.39	971.4	.4966	.0636	.0084	9.335	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.765**	**.0322**	**.0127**	**-.0021**	**111.7**	**-.0048**	**.0354**
Stddev	.001	.0007	.0088	.0002	.3	.0020	.0022
%RSD	.0557	2.118	69.30	10.70	.2723	40.90	6.094
#1	1.765	.0327	.0065	-.0023	111.5	-.0062	.0339
#2	1.766	.0318	.0189	-.0019	111.9	-.0034	.0369

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50910.**	**9092.2**	**1674.4**	**3346.3**
Stddev	113.	60.5	6.2	11.0
%RSD	.22200	.66593	.36846	.32872
#1	50990.	9049.4	1678.8	3354.1
#2	50830.	9135.0	1670.0	3338.5

Zoom In Zoom Out

Sample Name: mp80241-mb1conf Acquired: 6/25/2014 13:13:43 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**-.0001**	**.0002**	**.0003**	**.0001**	**-.0004**	**-.0005**
Stddev	.0004	.0001	.0000	.0001	.0002	.0002	.0000	.0000	.0000
%RSD	308.9	6292.	50.28	87.19	118.0	65.37	2.552	6.766	4.516
#1	.0001	.0001	-.0000	-.0001	.0000	.0002	.0001	-.0004	-.0005
#2	-.0004	-.0001	-.0001	-.0000	.0003	.0004	.0001	-.0004	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0012**	**-.0007**	**.0003**	**-.0005**	**.0017**	**-.0006**	**.0065**	**.0184**
Stddev	.0000	.0000	.0001	.0002	.0007	.0010	.0001	.0025	.0033
%RSD	38.81	2.115	19.40	62.89	136.8	56.83	10.25	38.18	18.00
#1	-.0001	.0012	-.0006	.0002	-.0000	.0024	-.0005	.0083	.0161
#2	-.0001	.0012	-.0008	.0004	-.0010	.0010	-.0006	.0048	.0207

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0061**	**-.0120**	**.0253**	**.0659**	**.0005**	**.0002**	**-.0010**	**.0166**	**.0008**
Stddev	.0002	.0065	.0192	.0051	.0004	.0003	.0001	.0000	.0007
%RSD	3.912	53.95	76.15	7.734	76.41	183.2	13.95	.3001	85.92
#1	.0063	-.0074	.0117	.0695	.0007	.0004	-.0011	.0166	.0012
#2	.0060	-.0166	.0389	.0623	.0002	-.0000	-.0009	.0166	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0000**	**-.0017**	**-.0001**	**.0071**	**.0002**	**.0004**
Stddev	.0000	.0006	.0003	.0002	.0003	.0004	.0002
%RSD	32.36	1408.	15.49	115.4	4.596	204.3	40.59
#1	-.0000	.0005	-.0016	-.0003	.0074	-.0001	.0003
#2	-.0000	-.0004	-.0019	-.0000	.0069	.0005	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55248.**	**9327.2**	**1808.8**	**3934.3**
Stddev	517.	133.4	5.2	8.4
%RSD	.93661	1.4300	.28553	.21241
#1	54882.	9232.9	1805.2	3928.4
#2	55614.	9421.5	1812.5	3940.2

Zoom In Zoom Out

Sample Name: jb69653-1 Acquired: 6/25/2014 13:19:50 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7598**	**.0001**	**.0023**	**.0039**	**.0639**	**.0623**	**.3851**	**.0283**	**.0055**
Stddev	.0001	.0000	.0001	.0005	.0005	.0000	.0017	.0003	.0001
%RSD	.0083	40.07	6.187	11.71	.8367	.0291	.4480	1.052	1.508
#1	.7599	.0001	.0022	.0036	.0635	.0623	.3839	.0286	.0054
#2	.7598	.0000	.0024	.0042	.0643	.0623	.3863	.0281	.0055

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0087**	**.2607**	**.0099**	**-.0004**	**.2572**	**.0041**	**.0001**	**2.076**	**194.0**
Stddev	.0000	.0032	.0005	.0034	.0051	.0001	.0001	.021	.0
%RSD	.0176	1.236	5.516	759.2	1.994	3.070	90.68	1.034	.0197
#1	.0087	.2584	.0103	-.0029	.2536	.0042	.0000	2.091	194.1
#2	.0087	.2630	.0095	.0020	.2609	.0040	.0002	2.061	194.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**21.20**	**60.01**	**58.71**	**240.0**	**.7290**	**.0030**	**.0160**	**16.49**	**.0292**
Stddev	.06	.22	.06	2.1	.0085	.0001	.0006	.21	.0006
%RSD	.3020	.3585	.0954	.8904	1.172	2.631	3.533	1.300	2.079
#1	21.25	60.16	58.75	238.5	.7230	.0029	.0164	16.34	.0288
#2	21.16	59.86	58.67	241.5	.7351	.0030	.0156	16.64	.0296

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.993**	**.0846**	**.0172**	**.0011**	**39.70**	**-.0017**	**.0312**
Stddev	.003	.0003	.0014	.0001	.51	.0005	.0001
%RSD	.1275	.3814	8.344	4.468	1.290	27.69	.2393
#1	1.995	.0844	.0162	.0011	39.33	-.0014	.0313
#2	1.991	.0848	.0182	.0012	40.06	-.0020	.0312

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49442.**	**9017.0**	**1581.9**	**3125.5**
Stddev	6.	12.5	18.5	35.5
%RSD	.01242	.13824	1.1695	1.1368
#1	49438.	9008.2	1595.0	3150.7
#2	49446.	9025.8	1568.8	3100.4

Zoom In Zoom Out

Sample Name: jb69653-2 Acquired: 6/25/2014 13:25:57 Type: Unk
Method: Accutest1(v297) 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	**1.682**	**-.0002**	**.0001**	**.0060**	**.0091**	**.0006**	**.4452**	**.0047**	**.0031**
Stddev	.000	.0003	.0004	.0001	.0005	.0016	.0025	.0004	.0009
%RSD	.0002	201.8	317.6	1.019	5.800	287.1	.5625	8.145	30.26
#1	1.682	-.0004	-.0002	.0060	.0087	-.0006	.4435	.0044	.0037
#2	1.682	.0001	.0004	.0059	.0095	.0017	.4470	.0050	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0142**	**-.0028**	**-.0019**	**-.0055**	**.0022**	**.0182**	**-.0037**	**.3671**	**183.5**
Stddev	.0011	.0000	.0016	.0000	.0003	.0078	.0021	.0673	.9
%RSD	7.615	1.216	81.99	.8661	15.89	43.01	57.67	18.33	.5178
#1	.0150	-.0028	-.0008	-.0055	.0019	.0237	-.0022	.3196	182.8
#2	.0134	-.0028	-.0030	-.0055	.0024	.0126	-.0052	.4147	184.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**14.91**	**525.9**	**159.6**	**3552.**	**2.655**	**.0028**	**.0071**	**12.02**	**.0006**
Stddev	.16	4.5	.4	1.	.002	.0001	.0044	.02	.0028
%RSD	1.068	.8483	.2586	.0258	.0556	4.043	61.40	.1705	456.9
#1	14.80	522.7	159.3	3551.	2.656	.0028	.0040	12.04	-.0014
#2	15.02	529.0	159.9	3552.	2.654	.0029	.0102	12.01	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.914**	**.0146**	**.0078**	**.0084**	**6.314**	**-.0052**	**.0691**
Stddev	.004	.0002	.0035	.0010	.002	.0025	.0033
%RSD	.0909	1.410	45.41	12.13	.0350	48.58	4.722
#1	3.911	.0147	.0103	.0091	6.315	-.0070	.0668
#2	3.916	.0144	.0053	.0077	6.312	-.0034	.0714

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**46760.**	**8891.9**	**1551.3**	**2968.5**
Stddev	145.	49.7	2.1	1.6
%RSD	.30960	.55861	.13287	.05452
#1	46862.	8927.0	1549.9	2967.4
#2	46658.	8856.8	1552.8	2969.7

Sample Name: jb69653-4 Acquired: 6/25/2014 13:32:07 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.593**	**.0000**	**.0005**	**.0074**	**.0205**	**.0040**	**.1156**	**.0152**	**.0026**
Stddev	.049	.0001	.0002	.0000	.0006	.0006	.0041	.0002	.0014
%RSD	3.087	511.9	34.86	.2595	3.036	13.77	3.588	1.450	54.58
#1	1.558	-.0000	.0004	.0074	.0209	.0044	.1185	.0153	.0016
#2	1.628	.0001	.0006	.0074	.0201	.0036	.1127	.0150	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0057**	**.0123**	**.0023**	**-.0010**	**.0089**	**.0052**	**-.0022**	**.5874**	**104.8**
Stddev	.0000	.0001	.0001	.0004	.0004	.0010	.0020	.0284	2.7
%RSD	.2057	1.042	3.538	37.04	4.000	19.02	90.92	4.830	2.580
#1	.0057	.0122	.0022	-.0013	.0091	.0045	-.0008	.5673	102.9
#2	.0057	.0124	.0024	-.0007	.0086	.0059	-.0036	.6075	106.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.85**	**102.5**	**99.37**	**621.3**	**4.169**	**.0011**	**.0108**	**14.59**	**.0017**
Stddev	.46	2.7	2.68	18.9	.014	.0002	.0026	.04	.0008
%RSD	2.751	2.606	2.696	3.041	.3245	16.66	23.54	.2769	45.14
#1	16.52	100.6	97.47	607.9	4.160	.0009	.0090	14.56	.0012
#2	17.17	104.4	101.3	634.6	4.179	.0012	.0126	14.62	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.414**	**.0321**	**.0198**	**.0008**	**11.13**	**-.0024**	**.0578**
Stddev	.041	.0010	.0018	.0002	.03	.0009	.0018
%RSD	2.928	3.259	9.187	19.66	.2652	36.13	3.163
#1	1.385	.0328	.0211	.0007	11.11	-.0018	.0565
#2	1.444	.0314	.0185	.0009	11.15	-.0031	.0591

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	44299.	8943.6	1501.9	2905.9
Stddev	1403.	187.6	1.8	1.3
%RSD	3.1676	2.0973	.11907	.04328
#1	43307.	9076.2	1503.2	2906.8
#2	45291.	8811.0	1500.6	2905.0

Sample Name: jb69653-5 Acquired: 6/25/2014 13:38:17 Type: Unk
Method: Accutest1(v297) 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	**6.428**	**-.0000**	**.0005**	**.0033**	**.0006**	**.0021**	**.3150**	**.0006**	**.0021**
Stddev	.022	.0002	.0004	.0015	.0005	.0002	.0059	.0007	.0026
%RSD	.3484	879.8	76.39	43.86	74.72	10.51	1.888	117.3	124.1
#1	6.412	.0001	.0002	.0043	.0010	.0023	.3192	.0001	.0039
#2	6.444	-.0001	.0008	.0023	.0003	.0020	.3108	.0010	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0018**	**.0036**	**.0020**	**-.0002**	**.0036**	**.0151**	**-.0105**	**.5097**	**162.8**
Stddev	.0001	.0002	.0079	.0008	.0017	.0095	.0069	.0134	.2
%RSD	4.484	4.760	394.8	388.5	47.16	62.70	65.83	2.620	.1465
#1	-.0017	.0035	-.0036	.0004	.0048	.0219	-.0154	.5191	162.7
#2	-.0018	.0037	.0076	-.0008	.0024	.0084	-.0056	.5002	163.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.05**	**270.3**	**61.90**	**1871.**	**.9324**	**.0065**	**.0047**	**13.84**	**-.0037**
Stddev	.01	.2	.04	28.	.0069	.0008	.0022	.09	.0001
%RSD	.0414	.0907	.0715	1.473	.7419	12.21	45.97	.6296	2.015
#1	15.06	270.5	61.87	1851.	.9373	.0060	.0062	13.90	-.0038
#2	15.05	270.1	61.93	1890.	.9276	.0071	.0032	13.78	-.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.132**	**.0219**	**.0041**	**-.0025**	**5.626**	**-.0133**	**.0423**
Stddev	.008	.0019	.0007	.0001	.018	.0011	.0019
%RSD	.3614	8.876	16.98	5.064	.3110	8.252	4.522
#1	2.127	.0205	.0045	-.0024	5.638	-.0141	.0409
#2	2.138	.0233	.0036	-.0025	5.614	-.0126	.0436

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	48565.	8992.6	1633.4	3192.9
Stddev	687.	20.3	4.6	10.5
%RSD	1.4138	.22623	.27870	.32797
#1	48079.	9006.9	1630.2	3185.5
#2	49050.	8978.2	1636.7	3200.3

Sample Name: ccv Acquired: 6/25/2014 13:44:30 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.938**	**2.034**	**2.024**	**1.997**	**2.006**	**1.963**	**2.015**	**2.059**	**.2459**
Stddev	.013	.019	.022	.021	.025	.018	.020	.023	.0033
%RSD	.6459	.9403	1.098	1.057	1.232	.8937	1.010	1.133	1.321
#1	1.947	2.048	2.008	1.982	2.023	1.976	2.029	2.043	.2482
#2	1.929	2.021	2.040	2.012	1.988	1.951	2.000	2.076	.2436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.977**	**2.021**	**2.028**	**2.058**	**2.079**	**2.038**	**2.049**	**39.17**	**40.91**
Stddev	.016	.022	.019	.020	.024	.012	.019	.25	.32
%RSD	.7980	1.087	.9583	.9677	1.157	.5879	.9089	.6489	.7776
#1	1.988	2.006	2.015	2.044	2.062	2.029	2.036	39.35	41.14
#2	1.966	2.037	2.042	2.073	2.096	2.046	2.062	38.99	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	**41.90**	**40.62**	**37.42**	**37.54**	**2.070**	**2.083**	**1.988**	**5.156**	**2.085**
Stddev	.32	.26	.36	.34	.020	.022	.022	.046	.022
%RSD	.7586	.6416	.9575	.8958	.9681	1.079	1.133	.8963	1.062
#1	42.13	40.81	37.67	37.78	2.056	2.067	2.004	5.123	2.069
#2	41.68	40.44	37.16	37.31	2.084	2.099	1.972	5.189	2.101
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: 6/25/2014 13:44:30 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.962**	**1.993**	**2.071**	**1.995**	**1.977**	**2.042**	**1.913**
Stddev	.015	.022	.026	.017	.020	.018	.018
%RSD	.7564	1.117	1.253	.8670	1.010	.8634	.9542
#1	1.973	2.009	2.053	2.007	1.963	2.029	1.926
#2	1.952	1.977	2.090	1.983	1.991	2.054	1.900
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	52050.	9018.6	1726.7	3465.2
Stddev	450.	48.0	14.4	28.6
%RSD	.86397	.53229	.83428	.82593
#1	51732.	8984.7	1736.9	3485.5
#2	52368.	9052.5	1716.5	3445.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 13:50:25 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0003**	**.0003**	**-.0001**	**.0003**	**.0002**	**-.0001**	**-.0002**
Stddev	.0000	.0002	.0001	.0003	.0004	.0004	.0000	.0002	.0000
%RSD	31.09	287.7	45.45	90.22	739.5	101.7	17.05	374.5	2.165
#1	.0001	-.0001	.0002	.0001	-.0003	.0001	.0002	-.0002	-.0002
#2	.0002	.0002	.0003	.0005	.0002	.0006	.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	**-.0001**	**-.0001**	**-.0010**	**.0004**	**-.0002**	**.0018**	**.0007**	**.0010**	**-.0061**
Stddev	.0000	.0000	.0012	.0000	.0014	.0018	.0016	.0051	.0000
%RSD	23.86	48.11	121.6	2.318	787.2	101.2	226.0	500.0	.0775
#1	-.0001	-.0001	-.0018	.0004	-.0012	.0005	.0019	.0046	-.0061
#2	-.0001	-.0001	-.0001	.0004	.0008	.0031	-.0004	-.0026	-.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	**.0014**	**-.0097**	**.0164**	**.0679**	**.0018**	**.0008**	**.0016**	**.0018**	**.0003**
Stddev	.0004	.0326	.0323	.0001	.0003	.0002	.0006	.0004	.0000
%RSD	27.84	335.1	197.5	.2192	14.28	28.08	37.54	22.32	14.80
#1	.0011	-.0328	-.0065	.0678	.0016	.0010	.0020	.0021	.0004
#2	.0016	.0133	.0392	.0680	.0019	.0006	.0011	.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: 6/25/2014 13:50:25 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0003**	**.0048**	**.0001**	**-.0020**	**-.0005**	**.0006**
Stddev	.0000	.0003	.0002	.0000	.0003	.0001	.0006
%RSD	24.29	89.53	3.644	23.65	12.79	13.68	112.8
#1	.0001	-.0006	.0049	.0002	-.0018	-.0005	.0010
#2	.0001	-.0001	.0047	.0001	-.0022	-.0006	.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	**55706.**	**9402.4**	**1831.6**	**3961.1**
Stddev	93.	13.3	1.0	2.6
%RSD	.16635	.14143	.05307	.06679
#1	55772.	9393.0	1832.3	3959.2
#2	55641.	9411.8	1830.9	3962.9

Zoom In Zoom Out

Sample Name: jb69653-6 Acquired: 6/25/2014 13:56:35 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.632**	**.0001**	**.0006**	**.0042**	**.0113**	**.0102**	**.3005**	**.0105**	**.0046**
Stddev	.012	.0000	.0000	.0002	.0000	.0003	.0007	.0000	.0006
%RSD	.4423	33.48	4.691	5.727	.3741	2.885	.2379	.1319	12.38
#1	2.624	.0000	.0006	.0040	.0112	.0104	.3010	.0105	.0050
#2	2.640	.0001	.0006	.0043	.0113	.0100	.3000	.0105	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0035**	**.4437**	**.0071**	**-.0004**	**.0736**	**.0052**	**.0009**	**.8013**	**208.4**
Stddev	.0003	.0079	.0002	.0010	.0005	.0006	.0008	.0020	.5
%RSD	8.424	1.773	2.229	217.6	.6503	11.04	98.45	.2514	.2615
#1	.0038	.4382	.0070	.0002	.0732	.0056	.0014	.8027	208.0
#2	.0033	.4493	.0072	-.0011	.0739	.0048	.0003	.7998	208.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**27.03**	**73.43**	**66.89**	**515.9**	**1.596**	**.0011**	**.0129**	**15.05**	**.0008**
Stddev	.07	.08	.27	1.5	.026	.0000	.0009	.25	.0004
%RSD	.2431	.1120	.4046	.2918	1.610	.5917	6.813	1.688	43.39
#1	26.98	73.37	66.70	517.0	1.577	.0012	.0122	14.87	.0006
#2	27.08	73.49	67.08	514.9	1.614	.0011	.0135	15.23	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.110**	**.0144**	**.0213**	**-.0006**	**6.385**	**-.0025**	**.0337**
Stddev	.007	.0001	.0004	.0006	.115	.0013	.0011
%RSD	.3404	.5017	1.753	115.0	1.803	53.11	3.178
#1	2.105	.0145	.0216	-.0001	6.303	-.0034	.0330
#2	2.115	.0144	.0211	-.0010	6.466	-.0015	.0345

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**46836.**	**8871.7**	**1516.3**	**2950.0**
Stddev	135.	10.9	22.1	41.8
%RSD	.28869	.12272	1.4606	1.4173
#1	46741.	8879.4	1531.9	2979.6
#2	46932.	8864.0	1500.6	2920.5

Zoom In Zoom Out

Sample Name: mp80245-mb1conf Acquired: 6/25/2014 14:02:44 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**-.0000**	**-.0000**	**-.0002**	**.0016**	**.0002**	**.0006**	**-.0002**	**-.0005**
Stddev	.0002	.0000	.0002	.0001	.0001	.0001	.0001	.0000	.0001
%RSD	11.53	274.9	485.1	72.48	5.189	57.41	15.35	21.67	30.20
#1	.0015	-.0000	-.0002	-.0003	.0017	.0001	.0007	-.0002	-.0006
#2	.0013	.0000	.0001	-.0001	.0016	.0003	.0006	-.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0039**	**-.0009**	**-.0019**	**.0005**	**.0008**	**-.0003**	**.0155**	**.0861**
Stddev	.0003	.0000	.0002	.0003	.0002	.0002	.0002	.0043	.0023
%RSD	230.2	1.064	19.73	17.74	41.53	30.89	76.66	27.82	2.634
#1	.0001	.0039	-.0010	-.0017	.0006	.0009	-.0001	.0125	.0845
#2	-.0003	.0040	-.0008	-.0022	.0003	.0006	-.0005	.0186	.0877

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0453**	**.0044**	**.0667**	**.1248**	**.0014**	**.0003**	**.0007**	**.0217**	**.0216**
Stddev	.0012	.0198	.0040	.0026	.0003	.0000	.0015	.0007	.0009
%RSD	2.639	455.9	5.948	2.085	19.46	4.412	198.9	3.090	4.070
#1	.0445	-.0097	.0695	.1266	.0016	.0003	-.0003	.0222	.0210
#2	.0462	.0184	.0639	.1230	.0012	.0003	.0018	.0212	.0223

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0006**	**.0013**	**.0001**	**.0245**	**-.0015**	**.0004**
Stddev	.0000	.0005	.0001	.0003	.0007	.0009	.0003
%RSD	15.79	70.24	8.335	273.4	3.028	56.09	74.03
#1	.0003	.0010	.0012	-.0001	.0250	-.0022	.0006
#2	.0003	.0003	.0013	.0003	.0240	-.0009	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55972.**	**9396.5**	**1822.3**	**3959.3**
Stddev	64.	81.3	8.3	13.3
%RSD	.11440	.86508	.45468	.33688
#1	55927.	9339.0	1816.5	3949.9
#2	56018.	9454.0	1828.2	3968.8

Zoom In Zoom Out

Sample Name: jb69559-1 Acquired: 6/25/2014 14:08:52 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5198**	**.0049**	**.0020**	**.1477**	**.1311**	**.2692**	**1.966**	**.1653**	**.0070**
Stddev	.0068	.0000	.0003	.0005	.0011	.0042	.023	.0002	.0033
%RSD	1.313	.7051	16.74	.3384	.8033	1.572	1.186	.1112	47.14
#1	.5150	.0049	.0017	.1473	.1319	.2722	1.983	.1652	.0046
#2	.5246	.0048	.0022	.1480	.1304	.2662	1.950	.1655	.0093

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2351**	**.4998**	**.0352**	**-.0079**	**.0365**	**-.0050**	**-.0022**	**128.4**	**823.4**
Stddev	.0035	.0037	.0006	.0017	.0006	.0033	.0007	2.0	4.1
%RSD	1.494	.7330	1.651	21.00	1.744	65.15	32.62	1.543	.4985
#1	.2376	.4972	.0348	-.0067	.0360	-.0073	-.0027	127.0	820.5
#2	.2326	.5024	.0356	-.0090	.0369	-.0027	-.0017	129.8	826.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**167.4**	**69.62**	**12.00**	**13.40**	**.1371**	**.0009**	**.0015**	**3.039**	**.0391**
Stddev	2.5	1.06	.12	.17	.0004	.0002	.0006	.011	.0001
%RSD	1.473	1.525	.9584	1.253	.2818	19.82	37.38	.3604	.1810
#1	165.6	68.87	11.92	13.28	.1368	.0008	.0011	3.031	.0392
#2	169.1	70.37	12.08	13.52	.1374	.0010	.0019	3.047	.0391

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.706**	**7.072**	**.2549**	**.1590**	**15.11**	**.0100**	**.1299**
Stddev	.043	.100	.0011	.0010	.09	.0001	.0009
%RSD	.9232	1.420	.4331	.6098	.5915	.9896	.6689
#1	4.675	7.143	.2557	.1597	15.05	.0099	.1292
#2	4.737	7.001	.2541	.1583	15.18	.0100	.1305

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49493.**	**8765.0**	**1645.9**	**3036.5**
Stddev	481.	117.1	3.4	3.8
%RSD	.97163	1.3361	.20566	.12636
#1	49153.	8847.8	1648.3	3039.2
#2	49833.	8682.2	1643.5	3033.8

Zoom In Zoom Out

Sample Name: jb69559-4 Acquired: 6/25/2014 14:15:04 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5371**	**.0046**	**.0012**	**.0732**	**.1398**	**.1801**	**1.992**	**.1382**	**.0058**
Stddev	.0117	.0000	.0002	.0002	.0003	.0006	.016	.0012	.0018
%RSD	2.173	.8086	18.40	.3212	.2219	.3160	.8133	.8811	30.82
#1	.5453	.0046	.0011	.0730	.1400	.1805	2.004	.1373	.0071
#2	.5288	.0046	.0014	.0733	.1396	.1797	1.981	.1390	.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1985**	**.2809**	**.0286**	**-.0005**	**.0218**	**.0000**	**-.0012**	**122.6**	**789.7**
Stddev	.0005	.0005	.0011	.0001	.0007	.0006	.0029	2.4	12.8
%RSD	.2596	.1865	3.959	30.26	3.064	1630.	252.0	1.918	1.626
#1	.1988	.2805	.0278	-.0004	.0223	.0004	.0009	124.2	798.8
#2	.1981	.2813	.0294	-.0005	.0214	-.0004	-.0032	120.9	780.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**139.7**	**59.53**	**8.355**	**9.171**	**.1541**	**-.0004**	**-.0003**	**2.953**	**.0330**
Stddev	2.5	1.09	.174	.181	.0010	.0000	.0004	.019	.0012
%RSD	1.790	1.827	2.079	1.975	.6478	8.263	147.9	.6416	3.770
#1	141.5	60.30	8.477	9.299	.1534	-.0004	-.0006	2.940	.0339
#2	138.0	58.76	8.232	9.043	.1548	-.0004	.0000	2.967	.0321

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.194**	**5.139**	**.0412**	**.1377**	**15.08**	**.0044**	**.1259**
Stddev	.076	.022	.0017	.0010	.06	.0004	.0021
%RSD	1.455	.4320	4.060	.7064	.3769	9.674	1.677
#1	5.248	5.155	.0424	.1384	15.04	.0041	.1274
#2	5.141	5.124	.0400	.1370	15.12	.0047	.1245

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49843.**	**8919.2**	**1659.6**	**3052.6**
Stddev	163.	171.6	8.8	16.6
%RSD	.32765	1.9242	.53286	.54391
#1	49727.	8797.8	1665.9	3064.3
#2	49958.	9040.5	1653.4	3040.8

Zoom In Zoom Out

Sample Name: jb69559-6 Acquired: 6/25/2014 14:21:17 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5384**	**.0049**	**.0030**	**.0888**	**.1398**	**.1850**	**2.309**	**.1504**	**.0055**
Stddev	.0029	.0000	.0001	.0004	.0016	.0013	.016	.0010	.0010
%RSD	.5386	.0754	2.773	.3995	1.176	.6834	.6861	.6715	17.30
#1	.5405	.0049	.0030	.0886	.1410	.1841	2.320	.1497	.0062
#2	.5364	.0049	.0031	.0891	.1387	.1859	2.298	.1511	.0049

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2891**	**.3184**	**.0300**	**-.0036**	**.0249**	**.0025**	**-.0024**	**135.2**	**902.7**
Stddev	.0001	.0006	.0025	.0017	.0028	.0034	.0029	1.3	16.6
%RSD	.0274	.1995	8.176	46.56	11.43	138.8	118.9	.9410	1.841
#1	.2890	.3179	.0283	-.0048	.0229	.0049	-.0045	136.1	914.5
#2	.2891	.3188	.0317	-.0024	.0269	.0000	-.0004	134.3	891.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**176.5**	**78.09**	**12.03**	**9.633**	**.3532**	**.0011**	**.0006**	**3.978**	**.0375**
Stddev	2.3	1.21	.10	.081	.0019	.0000	.0009	.011	.0002
%RSD	1.295	1.546	.8251	.8356	.5281	4.212	142.9	.2836	.5263
#1	178.1	78.94	12.10	9.690	.3518	.0012	-.0000	3.970	.0376
#2	174.9	77.24	11.96	9.576	.3545	.0011	.0013	3.986	.0373

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.820**	**6.816**	**.0681**	**.1717**	**16.14**	**.0088**	**.1315**
Stddev	.118	.004	.0007	.0002	.01	.0012	.0006
%RSD	2.029	.0597	1.027	.1381	.0404	13.42	.4541
#1	5.904	6.819	.0677	.1719	16.14	.0080	.1319
#2	5.737	6.814	.0686	.1715	16.13	.0097	.1311

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49712.**	**8907.5**	**1643.6**	**3008.3**
Stddev	59.	139.4	3.1	4.7
%RSD	.11966	1.5651	.18571	.15639
#1	49755.	8808.9	1645.8	3011.7
#2	49670.	9006.1	1641.5	3005.0

Zoom In Zoom Out

Sample Name: jb69635-1undconf Acquired: 6/25/2014 14:27:41 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Screen

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0616**	**-.0003**	**.0004**	**.0056**	**30.89**	**.0130**	**.1457**	**.0148**	**.0046**
Stddev	.0008	.0000	.0003	.0000	.05	.0000	.0000	.0000	.0004
%RSD	1.333	15.59	64.49	.8796	.1611	.2374	.0159	.2250	9.077
#1	.0621	-.0003	.0006	.0056	30.92	.0130	.1457	.0148	.0049
#2	.0610	-.0003	.0002	.0057	30.85	.0130	.1456	.0148	.0043

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0444**	**-.0156**	**.0174**	**-.0019**	**.0089**	**-.0037**	**-.0112**	**.2073**	**82.77**
Stddev	.0002	.0004	.0016	.0006	.0000	.0009	.0021	.0018	.51
%RSD	.4394	2.454	9.132	32.68	.4342	24.77	18.92	.8608	.6118
#1	.0442	-.0159	.0162	-.0023	.0090	-.0031	-.0097	.2086	83.13
#2	.0445	-.0153	.0185	-.0015	.0089	-.0044	-.0127	.2061	82.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1439**	**23.78**	**11.24**	**274.9**	**.6053**	**.0949**	**.0136**	**13.55**	**-.0018**
Stddev	.0031	.17	.11	4.2	.0012	.0000	.0007	.05	.0010
%RSD	2.131	.7139	.9526	1.524	.2006	.0475	4.840	.3797	54.37
#1	.1461	23.90	11.32	277.9	.6062	.0949	.0132	13.59	-.0024
#2	.1417	23.66	11.16	272.0	.6045	.0949	.0141	13.52	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2839**	**.0067**	**.0464**	**-.0066**	**76.61**	**-.0062**	**.0066**
Stddev	.0026	.0003	.0003	.0003	.12	.0008	.0002
%RSD	.9001	4.880	.6792	4.048	.1539	12.73	2.806
#1	.2857	.0069	.0466	-.0064	76.69	-.0067	.0064
#2	.2821	.0065	.0462	-.0068	76.53	-.0056	.0067

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50403.**	**9249.9**	**1555.6**	**3286.2**
Stddev	113.	39.2	1.2	3.9
%RSD	.22516	.42389	.07880	.11871
#1	50323.	9222.2	1556.5	3289.0
#2	50484.	9277.7	1554.8	3283.5

Zoom In Zoom Out

Sample Name: jb696351fundconf Acquired: 6/25/2014 14:33:49 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Screen (F)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0577**	**-.0002**	**.0003**	**.0060**	**31.03**	**.0125**	**.1407**	**.0151**	**.0041**
Stddev	.0038	.0000	.0000	.0001	1.03	.0008	.0037	.0001	.0000
%RSD	6.585	20.59	11.83	2.377	3.321	6.807	2.623	.3644	.6930
#1	.0550	-.0003	.0004	.0059	30.30	.0119	.1381	.0151	.0041
#2	.0604	-.0002	.0003	.0061	31.75	.0131	.1433	.0151	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0414**	**-.0160**	**.0156**	**-.0022**	**.0098**	**-.0004**	**.0076**	**.0621**	**81.49**
Stddev	.0007	.0006	.0037	.0008	.0007	.0000	.0172	.0039	5.31
%RSD	1.594	3.897	23.53	35.34	7.497	2.826	225.7	6.266	6.514
#1	.0410	-.0165	.0130	-.0017	.0093	-.0004	.0198	.0594	77.73
#2	.0419	-.0156	.0182	-.0028	.0104	-.0004	-.0045	.0649	85.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0174**	**23.35**	**10.89**	**272.6**	**.6277**	**.0952**	**.0130**	**13.43**	**-.0026**
Stddev	.0005	1.57	.70	14.2	.0024	.0000	.0010	.05	.0012
%RSD	3.147	6.712	6.475	5.211	.3744	.0378	7.723	.3907	45.41
#1	.0178	22.24	10.39	262.6	.6294	.0953	.0123	13.47	-.0034
#2	.0170	24.45	11.39	282.7	.6261	.0952	.0137	13.40	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2794**	**.0015**	**.0439**	**-.0066**	**78.54**	**-.0045**	**.0067**
Stddev	.0185	.0007	.0004	.0001	.27	.0025	.0002
%RSD	6.612	44.28	1.019	1.570	.3409	55.02	3.383
#1	.2663	.0020	.0443	-.0065	78.73	-.0027	.0065
#2	.2924	.0011	.0436	-.0067	78.35	-.0062	.0068

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50381.**	**9503.2**	**1518.0**	**3223.4**
Stddev	1398.	574.0	3.7	2.3
%RSD	2.7742	6.0397	.24222	.07015
#1	51369.	9909.1	1515.4	3225.0
#2	49393.	9097.4	1520.6	3221.8

Zoom In Zoom Out

Sample Name: jb69559-7 Acquired: 6/25/2014 14:39:58 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4815**	**.0047**	**.0029**	**.0870**	**.1336**	**.4238**	**2.098**	**.1443**	**.0052**
Stddev	.0073	.0001	.0002	.0011	.0018	.0030	.028	.0028	.0008
%RSD	1.520	1.281	5.306	1.251	1.319	.6967	1.310	1.945	15.47
#1	.4867	.0047	.0028	.0863	.1349	.4259	2.117	.1423	.0058
#2	.4764	.0046	.0030	.0878	.1324	.4217	2.079	.1463	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2439**	**.7327**	**.0289**	**-.0025**	**.0545**	**.0044**	**-.0018**	**121.4**	**806.8**
Stddev	.0038	.0093	.0029	.0017	.0016	.0044	.0010	1.6	4.6
%RSD	1.544	1.269	9.923	68.05	2.976	98.22	57.72	1.335	.5692
#1	.2466	.7261	.0309	-.0013	.0534	.0014	-.0025	122.6	810.0
#2	.2413	.7393	.0269	-.0037	.0557	.0075	-.0011	120.3	803.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**164.0**	**79.20**	**9.271**	**6.887**	**.1515**	**.0010**	**-.0013**	**1.879**	**.0410**
Stddev	2.0	.89	.132	.093	.0009	.0002	.0005	.036	.0002
%RSD	1.222	1.127	1.420	1.349	.6268	22.05	40.52	1.944	.4165
#1	165.4	79.84	9.364	6.953	.1509	.0012	-.0009	1.853	.0409
#2	162.6	78.57	9.178	6.821	.1522	.0008	-.0016	1.905	.0412

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.698**	**6.971**	**.0878**	**.1579**	**16.63**	**.0087**	**.1174**
Stddev	.094	.039	.0002	.0010	.23	.0001	.0010
%RSD	2.000	.5529	.1847	.6521	1.407	.6869	.8114
#1	4.765	6.999	.0877	.1586	16.47	.0087	.1181
#2	4.632	6.944	.0879	.1571	16.80	.0088	.1167

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50166.**	**9027.4**	**1652.3**	**2999.6**
Stddev	315.	76.4	19.5	32.1
%RSD	.62758	.84611	1.1826	1.0690
#1	49943.	8973.4	1666.1	3022.3
#2	50388.	9081.4	1638.5	2977.0

Zoom In Zoom Out

Sample Name: jb69559-8 Acquired: 6/25/2014 14:46:12 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5175**	**.0033**	**.0029**	**.0835**	**.1345**	**.3635**	**2.720**	**.1710**	**.0052**
Stddev	.0016	.0001	.0001	.0003	.0026	.0094	.063	.0001	.0020
%RSD	.3123	3.637	2.544	.3922	1.969	2.585	2.307	.0551	37.91
#1	.5186	.0033	.0029	.0833	.1364	.3701	2.764	.1711	.0038
#2	.5164	.0032	.0030	.0838	.1326	.3568	2.675	.1709	.0066

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2367**	**.3793**	**.0570**	**-.0024**	**.1897**	**.0055**	**-.0009**	**102.3**	**638.2**
Stddev	.0058	.0011	.0004	.0018	.0013	.0030	.0007	.3	.7
%RSD	2.466	.2914	.6628	73.68	.6845	53.88	85.91	.2947	.1134
#1	.2409	.3801	.0567	-.0012	.1906	.0034	-.0014	102.5	638.7
#2	.2326	.3785	.0572	-.0037	.1888	.0077	-.0003	102.1	637.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**147.4**	**54.42**	**8.640**	**10.06**	**.1072**	**.0034**	**.0007**	**3.045**	**.0396**
Stddev	.4	.19	.019	.04	.0003	.0002	.0000	.002	.0002
%RSD	.2475	.3459	.2209	.3844	.2728	6.878	.7765	.0612	.5569
#1	147.7	54.55	8.653	10.09	.1074	.0033	.0007	3.044	.0397
#2	147.1	54.28	8.626	10.03	.1070	.0036	.0007	3.046	.0394

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.953**	**6.172**	**.0578**	**.1256**	**14.85**	**.0092**	**.0813**
Stddev	.012	.149	.0006	.0028	.03	.0011	.0005
%RSD	.3926	2.408	1.061	2.256	.2154	12.34	.6338
#1	2.961	6.277	.0574	.1276	14.87	.0100	.0816
#2	2.945	6.067	.0582	.1236	14.83	.0084	.0809

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49801.**	**8918.1**	**1657.8**	**3110.0**
Stddev	1046.	11.7	5.9	8.0
%RSD	2.0996	.13111	.35624	.25673
#1	49062.	8909.8	1653.6	3104.4
#2	50540.	8926.3	1662.0	3115.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 14:52:14 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.890**	**1.981**	**2.010**	**1.979**	**1.982**	**1.930**	**1.993**	**2.046**	**.2427**
Stddev	.001	.007	.002	.001	.002	.002	.000	.001	.0012
%RSD	.0704	.3495	.0935	.0246	.0739	.0934	.0114	.0388	.4789
#1	1.891	1.986	2.011	1.979	1.983	1.929	1.993	2.045	.2435
#2	1.889	1.976	2.008	1.980	1.981	1.931	1.993	2.046	.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	**1.946**	**1.999**	**2.023**	**2.040**	**2.066**	**2.037**	**2.041**	**38.51**	**39.85**
Stddev	.003	.003	.000	.003	.004	.001	.000	.04	.19
%RSD	.1264	.1327	.0159	.1512	.2165	.0499	.0212	.1103	.4828
#1	1.948	2.001	2.023	2.038	2.063	2.037	2.041	38.54	39.99
#2	1.945	1.997	2.023	2.043	2.069	2.038	2.041	38.48	39.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.84**	**39.29**	**36.56**	**36.74**	**2.063**	**2.073**	**1.953**	**5.133**	**2.076**
Stddev	.10	.16	.04	.08	.003	.002	.009	.004	.000
%RSD	.2461	.4077	.1018	.2096	.1442	.0747	.4658	.0706	.0183
#1	40.91	39.40	36.58	36.80	2.061	2.072	1.946	5.135	2.076
#2	40.77	39.17	36.53	36.69	2.066	2.075	1.959	5.130	2.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 14:52:14 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.907**	**1.962**	**2.048**	**1.963**	**1.970**	**2.031**	**1.861**
Stddev	.001	.002	.007	.003	.003	.001	.003
%RSD	.0675	.0911	.3413	.1343	.1447	.0686	.1449
#1	1.908	1.963	2.043	1.961	1.972	2.032	1.863
#2	1.906	1.961	2.053	1.964	1.968	2.030	1.859
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	**52341.**	**9170.1**	**1728.7**	**3473.9**
Stddev	105.	13.9	.1	5.1
%RSD	.20062	.15104	.00546	.14717
#1	52415.	9160.3	1728.8	3477.5
#2	52267.	9179.9	1728.6	3470.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 14:58:08 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0002**	**.0003**	**.0002**	**-.0000**	**.0002**	**.0001**	**-.0005**
Stddev	.0001	.0000	.0000	.0002	.0000	.0003	.0000	.0000	.0004
%RSD	51.80	15.54	6.542	49.53	.5147	788.7	2.079	41.10	85.24
#1	.0001	.0001	.0002	.0004	.0002	-.0003	.0002	.0001	-.0008
#2	.0001	.0001	.0002	.0002	.0002	.0002	.0002	.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0002**	**-.0001**	**.0012**	**.0001**	**.0026**	**-.0008**	**.0025**	**-.0019**
Stddev	.0001	.0000	.0012	.0009	.0001	.0000	.0001	.0065	.0013
%RSD	186.2	5.628	1272.	78.51	46.97	.3893	16.29	263.8	69.60
#1	-.0001	-.0002	.0007	.0018	.0002	.0026	-.0007	.0071	-.0028
#2	.0000	-.0002	-.0009	.0005	.0001	.0026	-.0009	-.0021	-.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	**.0028**	**.0150**	**-.0025**	**.0143**	**.0016**	**.0009**	**-.0000**	**-.0003**	**-.0001**
Stddev	.0043	.0069	.0044	.0014	.0003	.0001	.0004	.0006	.0005
%RSD	153.8	46.07	175.4	10.01	20.42	11.12	8225.	252.6	389.8
#1	.0058	.0199	-.0056	.0153	.0019	.0010	-.0003	-.0007	.0002
#2	-.0002	.0101	.0006	.0133	.0014	.0008	.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: 6/25/2014 14:58:08 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0004**	**.0046**	**.0003**	**.0019**	**.0001**	**.0001**
Stddev	.0000	.0002	.0005	.0001	.0023	.0007	.0002
%RSD	22.24	55.24	10.02	16.35	125.1	1292.	107.7
#1	.0002	-.0002	.0050	.0004	.0035	-.0005	.0002
#2	.0002	-.0005	.0043	.0003	.0002	.0006	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56150.**	**9443.5**	**1833.0**	**3965.2**
Stddev	594.	1.3	14.5	23.2
%RSD	1.0580	.01325	.78845	.58465
#1	55730.	9444.4	1843.3	3981.6
#2	56570.	9442.6	1822.8	3948.8

Zoom In Zoom Out

Sample Name: jb69575-7 Acquired: 6/25/2014 15:04:17 Type: Unk
Method: Accutest1(v297) 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	**5.587**	**.0066**	**.0431**	**.0728**	**.6949**	**3.906**	**1.735**	**.6477**	**.0654**
Stddev	.093	.0001	.0006	.0002	.0058	.011	.001	.0105	.0027
%RSD	1.664	2.060	1.496	.2137	.8301	.2773	.0294	1.624	4.143
#1	5.521	.0065	.0427	.0727	.6990	3.914	1.735	.6402	.0634
#2	5.652	.0067	.0436	.0729	.6908	3.898	1.736	.6551	.0673

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.048**	**12.95**	**.1750**	**.0034**	**4.748**	**.0828**	**.0223**	**75.04**	**48.49**
Stddev	.000	.25	.0001	.0007	.081	.0028	.0008	1.23	.56
%RSD	.0228	1.939	.0594	21.43	1.710	3.347	3.770	1.633	1.164
#1	1.048	12.77	.1749	.0040	4.691	.0808	.0229	74.17	48.09
#2	1.048	13.13	.1751	.0029	4.806	.0847	.0217	75.91	48.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**169.4**	**72.25**	**21.38**	**235.1**	**.5876**	**.0476**	**.0198**	**14.52**	**.7471**
Stddev	2.7	.86	.23	3.6	.0105	.0016	.0035	.18	.0127
%RSD	1.608	1.189	1.078	1.546	1.795	3.416	17.49	1.243	1.704
#1	167.5	71.64	21.22	232.5	.5801	.0465	.0173	14.39	.7381
#2	171.3	72.85	21.55	237.7	.5950	.0488	.0222	14.65	.7561

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9495**	**2.607**	**.0220**	**.0412**	**242.1**	**.0078**	**.1363**
Stddev	.0160	.005	.0032	.0006	4.0	.0021	.0005
%RSD	1.682	.2061	14.78	1.514	1.658	27.42	.3808
#1	.9382	2.611	.0243	.0407	239.2	.0063	.1360
#2	.9608	2.603	.0197	.0416	244.9	.0093	.1367

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52975.**	**9289.4**	**1749.4**	**3499.5**
Stddev	98.	93.8	20.7	40.9
%RSD	.18589	1.0093	1.1838	1.1700
#1	52906.	9355.7	1764.0	3528.4
#2	53045.	9223.1	1734.7	3470.5

Zoom In Zoom Out

Sample Name: mp80244-mb1conf Acquired: 6/25/2014 15:10:16 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**.0000**	**.0014**	**.0005**	**.0006**	**-.0002**	**-.0002**
Stddev	.0001	.0000	.0000	.0001	.0003	.0000	.0001	.0003	.0002
%RSD	13.34	56.21	.0886	151.2	22.41	3.888	10.18	130.1	73.40
#1	.0006	-.0000	-.0000	.0001	.0017	.0005	.0006	-.0004	-.0004
#2	.0007	-.0001	-.0000	-.0000	.0012	.0005	.0006	-.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0033**	**-.0010**	**-.0008**	**-.0004**	**.0029**	**-.0010**	**.0196**	**.1098**
Stddev	.0001	.0001	.0010	.0031	.0007	.0005	.0007	.0050	.0021
%RSD	55.64	2.116	101.5	389.7	201.7	18.46	72.70	25.51	1.887
#1	-.0003	.0033	-.0003	.0014	-.0009	.0032	-.0005	.0161	.1112
#2	-.0001	.0034	-.0016	-.0030	.0002	.0025	-.0015	.0231	.1083

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0420**	**.0309**	**.0108**	**.0251**	**.0017**	**.0002**	**.0006**	**.0311**	**.0200**
Stddev	.0015	.0054	.0005	.0013	.0007	.0001	.0003	.0008	.0002
%RSD	3.624	17.47	4.253	5.316	40.83	32.43	46.58	2.629	1.091
#1	.0409	.0271	.0105	.0241	.0022	.0003	.0004	.0317	.0198
#2	.0430	.0347	.0111	.0260	.0012	.0002	.0008	.0305	.0201

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0008**	**-.0000**	**.0003**	**.0230**	**-.0005**	**.0004**
Stddev	.0000	.0002	.0007	.0002	.0004	.0003	.0002
%RSD	7.716	29.96	3486.	61.25	1.952	71.05	42.44
#1	.0002	.0009	.0005	.0004	.0233	-.0007	.0006
#2	.0003	.0006	-.0005	.0002	.0226	-.0002	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55395.**	**9414.6**	**1811.3**	**3933.5**
Stddev	33.	1.5	4.4	6.4
%RSD	.06046	.01553	.24479	.16253
#1	55418.	9415.7	1814.4	3938.1
#2	55371.	9413.6	1808.1	3929.0

Zoom In Zoom Out

Sample Name: jb69466-1 Acquired: 6/25/2014 15:16:24 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4644**	**.0050**	**.0023**	**.1188**	**.1473**	**.2921**	**2.606**	**.1971**	**.0013**
Stddev	.0023	.0001	.0000	.0005	.0053	.0070	.082	.0004	.0026
%RSD	.4970	2.095	1.955	.4621	3.608	2.383	3.146	.1787	199.6
#1	.4660	.0051	.0023	.1192	.1510	.2971	2.664	.1974	-.0005
#2	.4627	.0049	.0024	.1184	.1435	.2872	2.548	.1969	.0031

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2587**	**.5962**	**.0272**	**-.0067**	**.1957**	**-.0031**	**-.0036**	**138.9**	**696.9**
Stddev	.0087	.0027	.0014	.0003	.0014	.0019	.0018	1.1	6.3
%RSD	3.345	.4481	5.286	4.046	.7081	60.19	49.53	.7857	.9110
#1	.2648	.5981	.0262	-.0068	.1966	-.0044	-.0049	139.6	701.4
#2	.2525	.5943	.0282	-.0065	.1947	-.0018	-.0024	138.1	692.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**189.7**	**74.95**	**14.07**	**16.45**	**.1449**	**.0026**	**-.0022**	**1.578**	**.0404**
Stddev	1.8	.53	.08	.08	.0000	.0002	.0002	.004	.0014
%RSD	.9271	.7071	.5442	.4783	.0069	7.114	10.82	.2219	3.464
#1	190.9	75.33	14.12	16.51	.1449	.0028	-.0023	1.580	.0395
#2	188.4	74.58	14.02	16.40	.1449	.0025	-.0020	1.575	.0414

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.530**	**8.079**	**.1450**	**.1626**	**14.37**	**.0141**	**.2389**
Stddev	.019	.220	.0018	.0046	.05	.0012	.0017
%RSD	.4214	2.718	1.269	2.827	.3224	8.644	.7110
#1	4.543	8.234	.1463	.1658	14.40	.0150	.2401
#2	4.516	7.924	.1437	.1593	14.34	.0133	.2377

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**48980.**	**8897.1**	**1648.6**	**3064.5**
Stddev	1226.	57.2	4.3	8.4
%RSD	2.5021	.64307	.26193	.27454
#1	48114.	8856.6	1645.6	3058.5
#2	49847.	8937.5	1651.7	3070.4

Zoom In Zoom Out

Sample Name: jb69466-2 Acquired: 6/25/2014 15:22:34 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3642**	**.0035**	**.0006**	**.0810**	**.0986**	**.2985**	**1.610**	**.1597**	**.0054**
Stddev	.0112	.0001	.0001	.0006	.0007	.0012	.005	.0003	.0032
%RSD	3.080	1.620	10.55	.7211	.7490	.4091	.3290	.1643	58.37
#1	.3563	.0035	.0005	.0806	.0981	.2976	1.613	.1599	.0032
#2	.3721	.0034	.0006	.0814	.0992	.2994	1.606	.1595	.0077

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2030**	**.1830**	**.0162**	**-.0008**	**.0195**	**.0012**	**-.0039**	**121.9**	**559.3**
Stddev	.0009	.0009	.0006	.0001	.0005	.0025	.0000	3.8	18.7
%RSD	.4367	.4907	3.602	11.86	2.363	209.2	.0584	3.146	3.338
#1	.2036	.1824	.0158	-.0007	.0191	-.0006	-.0039	119.2	546.1
#2	.2024	.1837	.0166	-.0009	.0198	.0030	-.0039	124.6	572.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**132.8**	**60.22**	**8.927**	**12.68**	**.0958**	**.0002**	**-.0011**	**1.481**	**.0333**
Stddev	4.3	2.06	.244	.38	.0001	.0002	.0005	.000	.0008
%RSD	3.254	3.420	2.736	3.008	.1563	70.30	41.25	.0292	2.408
#1	129.7	58.76	8.755	12.41	.0959	.0001	-.0008	1.481	.0327
#2	135.8	61.67	9.100	12.95	.0957	.0003	-.0015	1.482	.0339

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.308**	**6.716**	**.0597**	**.1280**	**11.75**	**.0116**	**.0869**
Stddev	.101	.021	.0003	.0000	.04	.0027	.0027
%RSD	3.054	.3084	.5065	.0284	.3400	23.44	3.105
#1	3.237	6.731	.0594	.1280	11.72	.0135	.0850
#2	3.380	6.702	.0599	.1281	11.78	.0097	.0888

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50509.**	**8755.4**	**1679.1**	**3154.9**
Stddev	82.	270.3	2.6	4.4
%RSD	.16244	3.0868	.15687	.13937
#1	50451.	8946.5	1681.0	3158.0
#2	50567.	8564.3	1677.3	3151.8

Zoom In Zoom Out

Sample Name: jb69466-3 Acquired: 6/25/2014 15:28:34 Type: Unk
Method: Accutest1(v297) 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	**.5304**	**.0052**	**.0030**	**.0967**	**.1668**	**.1418**	**2.279**	**.1220**	**.0067**
Stddev	.0039	.0001	.0003	.0002	.0002	.0004	.010	.0009	.0005
%RSD	.7268	1.128	10.77	.1606	.1292	.3012	.4448	.7358	7.861
#1	.5277	.0053	.0028	.0966	.1670	.1421	2.271	.1227	.0063
#2	.5331	.0052	.0032	.0968	.1667	.1415	2.286	.1214	.0070

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2179**	**.2895**	**.0239**	**-.0021**	**.0283**	**-.0002**	**-.0015**	**117.6**	**957.8**
Stddev	.0011	.0018	.0040	.0003	.0032	.0028	.0016	.9	11.3
%RSD	.5052	.6144	16.60	14.71	11.39	1228.	108.4	.7506	1.177
#1	.2171	.2908	.0267	-.0023	.0305	-.0022	-.0003	116.9	949.8
#2	.2187	.2883	.0211	-.0019	.0260	.0018	-.0026	118.2	965.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**155.4**	**73.63**	**14.74**	**7.837**	**.2791**	**-.0011**	**-.0037**	**2.383**	**.0314**
Stddev	1.7	.99	.21	.074	.0010	.0001	.0000	.013	.0013
%RSD	1.072	1.347	1.422	.9456	.3525	12.21	.9128	.5614	4.161
#1	154.2	72.93	14.59	7.785	.2784	-.0012	-.0038	2.392	.0323
#2	156.5	74.33	14.89	7.890	.2798	-.0010	-.0037	2.373	.0305

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.063**	**5.665**	**.1638**	**.1615**	**22.75**	**.0060**	**.1547**
Stddev	.047	.019	.0017	.0004	.08	.0000	.0015
%RSD	.7805	.3389	1.065	.2251	.3688	.7129	.9871
#1	6.030	5.652	.1651	.1613	22.81	.0061	.1536
#2	6.097	5.679	.1626	.1618	22.69	.0060	.1558

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50392.**	**8873.1**	**1686.7**	**3204.4**
Stddev	26.	83.1	7.8	7.5
%RSD	.05214	.93602	.46205	.23297
#1	50410.	8931.8	1681.2	3199.1
#2	50373.	8814.3	1692.2	3209.7

Zoom In Zoom Out

Sample Name: jb69466-4 Acquired: 6/25/2014 15:34:36 Type: Unk
Method: Accutest1(v297) 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	**.5886**	**.0055**	**.0017**	**.1102**	**.1609**	**.2328**	**2.300**	**.1621**	**.0069**
Stddev	.0014	.0002	.0001	.0006	.0007	.0017	.009	.0019	.0001
%RSD	.2333	2.853	4.093	.5276	.4318	.7181	.3693	1.173	1.162
#1	.5876	.0053	.0018	.1106	.1604	.2316	2.294	.1634	.0069
#2	.5896	.0056	.0017	.1098	.1614	.2340	2.306	.1607	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2649**	**.2809**	**.0320**	**-.0077**	**.0353**	**.0052**	**-.0045**	**143.9**	**1001.**
Stddev	.0011	.0025	.0023	.0020	.0006	.0003	.0014	.3	1.
%RSD	.4097	.9056	7.320	25.50	1.571	6.363	30.44	.2211	.0685
#1	.2641	.2827	.0304	-.0091	.0357	.0050	-.0035	143.7	1000.
#2	.2656	.2791	.0337	-.0063	.0349	.0054	-.0054	144.1	1001.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**174.1**	**78.14**	**12.94**	**12.91**	**.1811**	**-.0001**	**-.0024**	**4.061**	**.0382**
Stddev	.3	.14	.03	.06	.0023	.0009	.0022	.055	.0017
%RSD	.1606	.1792	.2142	.4689	1.290	671.7	91.31	1.343	4.530
#1	173.9	78.24	12.92	12.87	.1827	.0005	-.0039	4.100	.0394
#2	174.3	78.04	12.96	12.95	.1794	-.0008	-.0008	4.023	.0369

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.448**	**8.129**	**.1479**	**.1899**	**21.88**	**.0120**	**.1499**
Stddev	.018	.058	.0025	.0010	.21	.0022	.0003
%RSD	.2851	.7143	1.668	.5488	.9435	18.66	.1743
#1	6.435	8.088	.1496	.1892	22.02	.0104	.1497
#2	6.461	8.170	.1461	.1907	21.73	.0136	.1500

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50139.**	**8934.6**	**1695.4**	**3209.9**
Stddev	208.	2.4	14.7	25.7
%RSD	.41506	.02698	.86871	.80054
#1	50286.	8936.3	1685.0	3191.7
#2	49992.	8932.9	1705.8	3228.1

Zoom In Zoom Out

Sample Name: jb69534-10 Acquired: 6/25/2014 15:40:38 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.275**	**.0049**	**.0024**	**.0627**	**.1333**	**.4947**	**2.079**	**.1546**	**.0041**
Stddev	.001	.0001	.0001	.0005	.0010	.0018	.022	.0016	.0004
%RSD	.0911	2.075	5.065	.8338	.7702	.3537	1.084	1.048	10.17
#1	1.274	.0048	.0024	.0623	.1326	.4935	2.063	.1535	.0044
#2	1.276	.0049	.0025	.0631	.1340	.4960	2.095	.1558	.0038

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2362**	**1.190**	**.0783**	**.0013**	**2.653**	**.0141**	**.0031**	**56.37**	**204.2**
Stddev	.0026	.014	.0021	.0007	.028	.0015	.0012	.00	.0
%RSD	1.105	1.162	2.632	58.59	1.044	10.29	40.13	.0080	.0124
#1	.2344	1.180	.0769	.0007	2.634	.0152	.0022	56.38	204.2
#2	.2381	1.200	.0798	.0018	2.673	.0131	.0040	56.37	204.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**110.9**	**33.86**	**8.932**	**3.369**	**.0356**	**.0147**	**.0014**	**4.370**	**.4556**
Stddev	.1	.06	.010	.001	.0003	.0000	.0011	.028	.0045
%RSD	.0854	.1710	.1086	.0321	.7383	.3208	83.20	.6328	.9834
#1	111.0	33.90	8.925	3.369	.0358	.0147	.0022	4.351	.4524
#2	110.8	33.81	8.939	3.370	.0354	.0148	.0006	4.390	.4587

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5430**	**3.041**	**.0048**	**.0448**	**14.96**	**.0041**	**.1147**
Stddev	.0007	.014	.0014	.0002	.16	.0001	.0000
%RSD	.1231	.4613	29.42	.4269	1.079	2.640	.0402
#1	.5425	3.031	.0058	.0449	14.85	.0042	.1147
#2	.5434	3.051	.0038	.0447	15.08	.0040	.1147

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52135.**	**9342.1**	**1734.2**	**3370.4**
Stddev	383.	6.8	12.0	23.3
%RSD	.73495	.07244	.69343	.69190
#1	52405.	9346.9	1742.7	3386.9
#2	51864.	9337.3	1725.7	3354.0

Zoom In Zoom Out

Sample Name: mp80233-mb2 2 Acquired: 6/25/2014 15:46:39 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0000**	**-.0000**	**-.0000**	**-.0000**	**-.0000**	**.0000**	**.0001**	**-.0003**	**-.0001**
Stddev	.0003	.0000	.0000	.0001	.0002	.0000	.0000	.0001	.0005
%RSD	4926.	51.99	178.7	183.7	2536.	5.107	62.50	39.33	645.9
#1	-.0002	-.0000	-.0000	.0000	.0001	.0001	.0001	-.0002	-.0004
#2	.0002	-.0000	.0000	-.0001	-.0001	.0000	.0000	-.0004	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0003**	**-.0017**	**-.0012**	**-.0003**	**-.0003**	**-.0007**	**-.0006**	**.0061**
Stddev	.0002	.0000	.0007	.0002	.0001	.0001	.0013	.0005	.0017
%RSD	102.6	3.367	40.82	18.91	21.90	40.46	181.2	78.03	28.14
#1	-.0001	.0003	-.0022	-.0013	-.0003	-.0002	.0002	-.0003	.0073
#2	-.0004	.0003	-.0012	-.0010	-.0002	-.0003	-.0016	-.0010	.0049

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0016**	**-.0183**	**-.0209**	**-.0131**	**.0004**	**.0001**	**-.0001**	**.0008**	**-.0001**
Stddev	.0003	.0161	.0156	.0006	.0003	.0001	.0006	.0007	.0000
%RSD	19.42	87.94	74.76	4.699	84.99	160.6	454.3	87.18	36.75
#1	.0018	-.0069	-.0098	-.0127	.0006	.0002	-.0006	.0003	-.0000
#2	.0014	-.0297	-.0319	-.0135	.0002	-.0000	.0003	.0013	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0025**	**-.0002**	**.0062**	**-.0014**	**-.0009**
Stddev	.0000	.0005	.0006	.0000	.0023	.0000	.0003
%RSD	75.05	133.0	22.53	7.845	36.86	2.367	29.97
#1	.0001	.0007	-.0021	-.0002	.0078	-.0014	-.0007
#2	.0000	.0000	-.0029	-.0002	.0046	-.0014	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55586.**	**9391.3**	**1812.9**	**3935.6**
Stddev	40.	15.7	.5	2.6
%RSD	.07140	.16757	.02696	.06657
#1	55614.	9380.2	1813.3	3937.5
#2	55558.	9402.4	1812.6	3933.8

Zoom In Zoom Out

Sample Name: mp80233-b2 Acquired: 6/25/2014 15:52:48 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.890**	**.0508**	**.0462**	**.4923**	**.1996**	**.2426**	**.4964**	**.5126**	**.0494**
Stddev	.001	.0002	.0002	.0009	.0046	.0054	.0117	.0013	.0017
%RSD	.0710	.3833	.5148	.1844	2.322	2.226	2.355	.2633	3.397
#1	1.889	.0507	.0460	.4916	.1963	.2387	.4881	.5116	.0483
#2	1.890	.0510	.0463	.4929	.2029	.2464	.5047	.5136	.0506

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4949**	**.5116**	**2.083**	**2.091**	**.5230**	**2.121**	**.5172**	**1.926**	**24.55**
Stddev	.0121	.0001	.001	.004	.0022	.001	.0007	.002	.01
%RSD	2.455	.0221	.0652	.2116	.4242	.0397	.1297	.1030	.0546
#1	.4864	.5115	2.082	2.088	.5246	2.120	.5177	1.928	24.54
#2	.5035	.5116	2.083	2.094	.5215	2.122	.5167	1.925	24.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.070**	**25.06**	**22.91**	**23.36**	**2.128**	**2.098**	**1.996**	**2.147**	**2.116**
Stddev	.005	.18	.08	.03	.001	.003	.047	.003	.004
%RSD	.4852	.7202	.3342	.1204	.0504	.1493	2.365	.1370	.2136
#1	1.066	25.19	22.86	23.34	2.129	2.096	1.963	2.145	2.112
#2	1.073	24.94	22.97	23.38	2.127	2.100	2.030	2.149	2.119

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.934**	**2.028**	**.0199**	**.0002**	**.0062**	**.0041**	**.0002**
Stddev	.000	.053	.0006	.0002	.0003	.0008	.0005
%RSD	.0034	2.598	2.935	77.03	5.467	19.13	280.8
#1	1.934	1.991	.0194	.0003	.0065	.0035	-.0002
#2	1.934	2.065	.0203	.0001	.0060	.0046	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52933.**	**9153.3**	**1727.8**	**3577.5**
Stddev	1016.	5.6	.9	4.6
%RSD	1.9200	.06080	.04933	.12918
#1	53652.	9149.4	1728.4	3580.8
#2	52215.	9157.2	1727.2	3574.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 15:58:45 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.911**	**1.991**	**2.008**	**1.983**	**1.994**	**1.947**	**2.017**	**2.051**	**.2430**
Stddev	.003	.002	.004	.003	.010	.004	.008	.001	.0002
%RSD	.1462	.0791	.1984	.1617	.4868	.2242	.4185	.0543	.0784
#1	1.909	1.992	2.005	1.980	2.001	1.944	2.023	2.051	.2431
#2	1.913	1.989	2.011	1.985	1.987	1.951	2.011	2.052	.2429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.964**	**2.006**	**2.015**	**2.041**	**2.072**	**2.028**	**2.035**	**38.75**	**39.96**
Stddev	.007	.004	.006	.003	.007	.002	.003	.05	.04
%RSD	.3546	.1829	.2937	.1637	.3584	.0782	.1458	.1294	.1079
#1	1.969	2.004	2.011	2.044	2.067	2.029	2.033	38.72	39.99
#2	1.959	2.009	2.019	2.039	2.078	2.027	2.037	38.79	39.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.90**	**39.41**	**36.86**	**37.25**	**2.061**	**2.074**	**1.963**	**5.108**	**2.078**
Stddev	.04	.01	.00	.04	.003	.004	.005	.003	.000
%RSD	.1065	.0209	.0093	.1064	.1648	.1733	.2715	.0657	.0039
#1	40.94	39.41	36.86	37.22	2.059	2.072	1.960	5.106	2.078
#2	40.87	39.40	36.86	37.28	2.064	2.077	1.967	5.111	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 15:58:45 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.930**	**1.970**	**2.059**	**1.981**	**1.962**	**2.023**	**1.879**
Stddev	.001	.003	.006	.002	.005	.003	.004
%RSD	.0635	.1268	.2812	.1148	.2513	.1357	.2014
#1	1.929	1.972	2.055	1.982	1.958	2.021	1.876
#2	1.931	1.969	2.063	1.979	1.965	2.025	1.882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**52090.**	**9082.4**	**1738.2**	**3486.2**
Stddev	35.	10.3	3.2	4.9
%RSD	.06755	.11379	.18247	.14065
#1	52065.	9089.7	1740.4	3489.6
#2	52115.	9075.1	1736.0	3482.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 16:04:40 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**-.0000**	**.0002**	**-.0004**	**.0001**	**.0002**	**-.0002**	**-.0001**
Stddev	.0002	.0000	.0002	.0001	.0001	.0001	.0000	.0000	.0000
%RSD	71.59	23.29	4068.	53.40	19.82	252.3	23.27	15.38	30.54
#1	.0001	.0002	-.0001	.0003	-.0004	.0002	.0002	-.0002	-.0001
#2	.0003	.0001	.0001	.0001	-.0005	-.0000	.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	**-.0001**	**-.0003**	**-.0003**	**-.0003**	**.0002**	**.0020**	**-.0002**	**.0037**	**-.0001**
Stddev	.0002	.0002	.0012	.0009	.0005	.0006	.0008	.0015	.0035
%RSD	116.8	52.31	453.3	345.7	253.6	29.57	316.2	40.64	2389.
#1	-.0000	-.0002	-.0011	-.0009	.0005	.0024	.0003	.0026	-.0026
#2	-.0002	-.0005	.0006	.0004	-.0002	.0016	-.0008	.0047	.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0084**	**-.0117**	**-.0016**	**.0017**	**.0010**	**-.0000**	**-.0008**	**.0002**
Stddev	.0021	.0100	.0037	.0030	.0005	.0001	.0004	.0002	.0001
%RSD	54.60	119.4	31.86	195.0	27.48	10.20	1675.	25.47	64.54
#1	.0054	.0013	-.0144	-.0037	.0020	.0011	.0002	-.0007	.0003
#2	.0024	.0154	-.0091	.0006	.0014	.0009	-.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: ccb Acquired: 6/25/2014 16:04:40 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0002**	**.0049**	**.0003**	**-.0013**	**-.0004**	**-.0003**
Stddev	.0000	.0004	.0005	.0004	.0009	.0006	.0001
%RSD	20.53	200.4	10.97	137.7	67.61	149.8	36.14
#1	.0002	-.0004	.0052	.0005	-.0007	-.0009	-.0004
#2	.0002	.0001	.0045	.0000	-.0019	.0000	-.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	**54111.**	**9419.0**	**1835.2**	**3963.9**
Stddev	691.	257.2	.1	3.2
%RSD	1.2765	2.7307	.00391	.08047
#1	53623.	9600.9	1835.3	3961.6
#2	54600.	9237.2	1835.2	3966.1

Zoom In Zoom Out

Sample Name: mp80233-lc2 Acquired: 6/25/2014 16:10:51 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4831**	**.5038**	**.5037**	**.4885**	**.5108**	**.4856**	**.5104**	**.5125**	**.1885**
Stddev	.0007	.0015	.0003	.0000	.0001	.0007	.0032	.0005	.0002
%RSD	.1418	.2976	.0530	.0007	.0235	.1472	.6314	.0956	.1186
#1	.4826	.5028	.5035	.4885	.5109	.4861	.5127	.5122	.1884
#2	.4836	.5049	.5039	.4885	.5108	.4851	.5081	.5129	.1887

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5021**	**.5177**	**.5064**	**.5229**	**.5163**	**.5183**	**.5075**	**4.825**	**5.549**
Stddev	.0012	.0005	.0013	.0025	.0017	.0003	.0017	.022	.004
%RSD	.2315	.0972	.2663	.4823	.3371	.0657	.3386	.4651	.0804
#1	.5030	.5180	.5074	.5211	.5151	.5185	.5087	4.809	5.546
#2	.5013	.5173	.5055	.5247	.5176	.5180	.5063	4.841	5.553

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.731**	**5.438**	**9.166**	**9.290**	**.0097**	**.5280**	**.0017**	**.0146**	**.0011**
Stddev	.001	.061	.018	.030	.0000	.0004	.0002	.0003	.0005
%RSD	.0129	1.131	.1993	.3274	.2376	.0810	10.44	1.963	46.95
#1	5.731	5.481	9.153	9.268	.0096	.5283	.0016	.0148	.0007
#2	5.730	5.394	9.179	9.311	.0097	.5277	.0018	.0144	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5138**	**.0087**	**.0003**	**.0041**	**-.0004**	**.0006**
Stddev	.0000	.0011	.0001	.0002	.0025	.0001	.0004
%RSD	26.73	.2077	1.527	57.32	60.45	34.10	68.30
#1	-.0001	.5146	.0088	.0005	.0023	-.0005	.0008
#2	-.0002	.5131	.0087	.0002	.0058	-.0003	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54017.**	**9146.8**	**1772.0**	**3736.3**
Stddev	111.	13.9	5.5	9.2
%RSD	.20457	.15227	.30808	.24690
#1	53939.	9137.0	1768.1	3729.7
#2	54095.	9156.7	1775.8	3742.8

Zoom In Zoom Out

Sample Name: jb69567-3f Acquired: 6/25/2014 16:16:52 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: missing 6/24

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0462**	**-.0000**	**.0005**	**.0008**	**.0005**	**.0229**	**.0505**	**.0099**	**.0011**
Stddev	.0000	.0000	.0001	.0002	.0000	.0001	.0003	.0000	.0006
%RSD	.0259	62.20	24.64	20.33	7.877	.5234	.5851	.0444	54.31
#1	.0462	-.0000	.0004	.0007	.0006	.0228	.0503	.0099	.0007
#2	.0462	-.0001	.0006	.0009	.0005	.0230	.0507	.0099	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0025**	**.0147**	**.0051**	**-.0014**	**.0010**	**.0043**	**.0000**	**.0520**	**124.6**
Stddev	.0001	.0002	.0005	.0008	.0008	.0004	.0000	.0115	.3
%RSD	3.810	1.594	9.523	56.89	80.75	9.901	112.8	22.10	.2614
#1	.0026	.0145	.0054	-.0019	.0004	.0046	.0001	.0601	124.4
#2	.0025	.0148	.0047	-.0008	.0015	.0040	.0000	.0439	124.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0101**	**15.21**	**16.25**	**234.7**	**.0830**	**.0590**	**.0063**	**6.453**	**-.0011**
Stddev	.0007	.01	.02	.7	.0002	.0005	.0004	.041	.0008
%RSD	6.561	.0935	.1051	.3062	.2101	.7785	6.807	.6307	71.71
#1	.0097	15.22	16.23	234.2	.0832	.0587	.0060	6.424	-.0016
#2	.0106	15.20	16.26	235.2	.0829	.0594	.0066	6.482	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7958**	**-.0002**	**.0059**	**-.0003**	**27.94**	**-.0019**	**.0371**
Stddev	.0015	.0001	.0004	.0001	.15	.0008	.0000
%RSD	.1845	22.88	6.991	21.78	.5376	41.79	.0142
#1	.7969	-.0002	.0056	-.0003	27.83	-.0013	.0371
#2	.7948	-.0003	.0062	-.0004	28.04	-.0024	.0371

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49344.**	**8926.1**	**1637.4**	**3254.2**
Stddev	44.	23.0	7.6	18.3
%RSD	.08867	.25805	.46697	.56334
#1	49375.	8942.4	1642.8	3267.1
#2	49313.	8909.8	1632.0	3241.2

Zoom In Zoom Out

Sample Name: jb69567-6f Acquired: 6/25/2014 16:23:05 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Tl hit

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6407**	**-.0001**	**.0001**	**.0006**	**-.0007**	**-.0002**	**2.833**	**-.0001**	**.0018**
Stddev	.0034	.0001	.0001	.0000	.0003	.0003	.114	.0001	.0001
%RSD	.5257	107.2	155.2	6.246	41.82	138.6	4.023	97.72	3.493
#1	.6383	-.0000	.0001	.0006	-.0009	-.0005	2.752	-.0002	.0017
#2	.6430	-.0001	-.0000	.0006	-.0005	-.0000	2.913	-.0000	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**-.0004**	**.0017**	**.0002**	**.0009**	**.0039**	**-.0012**	**.0265**	**59.09**
Stddev	.0001	.0000	.0018	.0004	.0005	.0037	.0006	.0065	.51
%RSD	19.58	3.351	105.9	241.7	56.81	95.59	49.37	24.57	.8565
#1	-.0006	-.0004	.0004	.0005	.0012	.0013	-.0016	.0311	58.73
#2	-.0008	-.0004	.0030	-.0001	.0005	.0065	-.0008	.0219	59.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.027**	**41.72**	**3.451**	**94.19**	**.1022**	**.0015**	**.0042**	**6.240**	**.0002**
Stddev	.033	.39	.007	.44	.0003	.0001	.0002	.014	.0006
%RSD	1.633	.9280	.2036	.4679	.3005	3.482	5.016	.2236	265.3
#1	2.004	41.44	3.446	93.88	.1025	.0014	.0044	6.230	-.0002
#2	2.051	41.99	3.456	94.50	.1020	.0015	.0041	6.250	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4271**	**-.0000**	**.0072**	**-.0003**	**.5833**	**-.0024**	**.0023**
Stddev	.0022	.0005	.0003	.0000	.0001	.0002	.0004
%RSD	.5122	2724.	4.295	16.76	.0152	10.15	15.06
#1	.4256	.0004	.0074	-.0002	.5833	-.0023	.0021
#2	.4287	-.0004	.0070	-.0003	.5832	-.0026	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**51066.**	**8916.1**	**1680.6**	**3427.3**
Stddev	1564.	53.6	3.2	2.7
%RSD	3.0635	.60104	.18871	.07977
#1	52172.	8954.0	1682.8	3429.3
#2	49959.	8878.2	1678.3	3425.4

Zoom In Zoom Out

Sample Name: mp80250-mb1conf Acquired: 6/25/2014 16:29:11 Type: Unk
Method: Accutest1(v297) Mode: CONC 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**	**-.0000**	**-.0001**	**.0001**	**.0001**	**-.0003**	**-.0005**
Stddev	.0001	.0001	.0000	.0001	.0002	.0000	.0000	.0002	.0005
%RSD	115.1	2518.	70.37	175.4	158.1	24.09	6.479	64.19	95.60
#1	-.0002	-.0000	.0000	-.0001	-.0003	.0001	.0001	-.0001	-.0002
#2	-.0000	.0000	.0001	.0000	.0000	.0001	.0001	-.0004	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0003**	**-.0008**	**-.0016**	**-.0002**	**.0022**	**-.0012**	**-.0027**	**.0032**
Stddev	.0001	.0000	.0003	.0001	.0005	.0022	.0011	.0069	.0014
%RSD	69.91	9.298	41.90	6.367	235.0	99.73	92.79	255.9	44.53
#1	.0002	.0003	-.0011	-.0017	-.0006	.0037	-.0020	.0022	.0043
#2	.0001	.0003	-.0006	-.0015	.0001	.0006	-.0004	-.0075	.0022

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0037**	**-.0139**	**-.0354**	**.0157**	**.0004**	**.0001**	**.0003**	**.0107**	**-.0003**
Stddev	.0004	.0323	.0049	.0003	.0001	.0000	.0001	.0007	.0007
%RSD	10.53	231.7	13.74	1.929	18.84	23.78	20.18	6.791	213.3
#1	.0034	-.0367	-.0388	.0159	.0005	.0001	.0003	.0102	-.0008
#2	.0040	.0089	-.0319	.0155	.0004	.0002	.0003	.0112	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0014**	**-.0001**	**.0038**	**-.0006**	**.0002**
Stddev	.0001	.0001	.0001	.0002	.0035	.0004	.0006
%RSD	304.6	83.98	6.517	353.7	92.04	67.21	281.8
#1	.0001	.0001	-.0013	.0001	.0013	-.0009	.0007
#2	-.0000	.0002	-.0014	-.0002	.0062	-.0003	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55637.**	**9319.1**	**1819.3**	**3939.5**
Stddev	130.	52.4	12.2	15.5
%RSD	.23390	.56205	.67133	.39351
#1	55545.	9356.1	1810.6	3928.6
#2	55729.	9282.1	1827.9	3950.5

Zoom In Zoom Out

Sample Name: mp80250-s1 Acquired: 6/25/2014 16:35:18 Type: Unk
Method: Accutest1(v297) 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	**1.934**	**.0509**	**.0493**	**.5102**	**.1942**	**.2370**	**.8035**	**.5276**	**.0526**
Stddev	.010	.0003	.0009	.0011	.0035	.0037	.0189	.0028	.0007
%RSD	.5108	.5830	1.809	.2253	1.812	1.569	2.351	.5391	1.252
#1	1.941	.0506	.0499	.5110	.1918	.2344	.7901	.5256	.0521
#2	1.928	.0511	.0486	.5094	.1967	.2396	.8168	.5296	.0530

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4841**	**.5323**	**2.197**	**2.043**	**.5387**	**2.253**	**.5265**	**2.105**	**512.8**
Stddev	.0112	.0020	.000	.006	.0071	.002	.0027	.039	3.1
%RSD	2.321	.3759	.0086	.3108	1.310	.0977	.5161	1.840	.5969
#1	.4761	.5309	2.198	2.047	.5437	2.255	.5245	2.078	510.6
#2	.4920	.5337	2.197	2.038	.5337	2.252	.5284	2.133	514.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.026**	**59.15**	**24.86**	**1162.**	**6.623**	**2.109**	**1.991**	**10.72**	**2.076**
Stddev	.006	.37	.06	9.	.007	.002	.037	.01	.004
%RSD	.2800	.6323	.2296	.8073	.1009	.0839	1.870	.0941	.2054
#1	2.022	58.89	24.90	1169.	6.628	2.108	1.965	10.72	2.073
#2	2.030	59.42	24.82	1156.	6.618	2.111	2.018	10.73	2.079

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.834**	**2.001**	**.0233**	**-.0024**	**925.3**	**.0040**	**.7778**
Stddev	.016	.045	.0057	.0004	1.3	.0041	.0008
%RSD	.2694	2.243	24.34	16.70	.1364	102.8	.0979
#1	5.845	1.969	.0273	-.0027	926.2	.0068	.7784
#2	5.823	2.033	.0193	-.0022	924.4	.0011	.7773

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**51732.**	**8999.7**	**1653.4**	**3279.6**
Stddev	798.	23.8	3.3	3.2
%RSD	1.5423	.26427	.20024	.09870
#1	52296.	9016.5	1651.0	3277.3
#2	51167.	8982.9	1655.7	3281.9

Zoom In Zoom Out

Sample Name: mp80250-s1 Acquired: 6/25/2014 16:41:24 Type: Unk
Method: Accutest1(v297) 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	**2.050**	**.0545**	**.0478**	**.5384**	**.2143**	**.2589**	**.8953**	**.5624**	**.0523**
Stddev	.035	.0010	.0017	.0048	.0020	.0025	.0014	.0034	.0063
%RSD	1.714	1.811	3.548	.8880	.9564	.9785	.1535	.6058	12.04
#1	2.075	.0552	.0466	.5350	.2129	.2607	.8962	.5600	.0478
#2	2.025	.0538	.0490	.5418	.2158	.2571	.8943	.5648	.0567

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5334**	**.6026**	**2.289**	**2.236**	**.5842**	**2.338**	**.5549**	**2.180**	**551.1**
Stddev	.0064	.0051	.024	.016	.0047	.013	.0143	.102	8.6
%RSD	1.198	.8532	1.027	.7242	.8044	.5718	2.578	4.681	1.559
#1	.5379	.5989	2.273	2.224	.5809	2.328	.5448	2.252	557.1
#2	.5288	.6062	2.306	2.247	.5876	2.347	.5650	2.108	545.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.211**	**62.92**	**25.92**	**1257.**	**7.042**	**2.255**	**2.165**	**11.40**	**2.251**
Stddev	.043	.89	.08	24.	.047	.012	.037	.06	.006
%RSD	1.951	1.417	.2946	1.890	.6664	.5296	1.710	.5507	.2692
#1	2.241	63.55	25.98	1274.	7.009	2.247	2.191	11.35	2.246
#2	2.180	62.29	25.87	1241.	7.075	2.263	2.139	11.44	2.255

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.171**	**2.188**	**.0056**	**.0000**	**979.4**	**.0086**	**.8150**
Stddev	.101	.008	.0005	.0002	7.4	.0020	.0145
%RSD	1.633	.3600	8.326	377900.	.7572	23.22	1.778
#1	6.242	2.194	.0053	.0002	974.1	.0100	.8252
#2	6.099	2.183	.0059	-.0002	984.6	.0072	.8048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52109.**	**9110.8**	**1715.9**	**3464.5**
Stddev	122.	125.9	9.4	20.2
%RSD	.23504	1.3817	.54874	.58244
#1	52022.	9021.7	1722.6	3478.7
#2	52195.	9199.8	1709.2	3450.2

Zoom In Zoom Out

Sample Name: mp80250-s2 Acquired: 6/25/2014 16:47:32 Type: Unk
Method: Accutest1(v297) 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	**1.910**	**.0499**	**.0483**	**.5156**	**.2046**	**.2486**	**.8479**	**.5403**	**.0562**
Stddev	.041	.0012	.0004	.0026	.0020	.0061	.0179	.0046	.0022
%RSD	2.125	2.470	.9052	.4976	.9841	2.468	2.108	.8501	3.855
#1	1.939	.0508	.0480	.5138	.2032	.2443	.8353	.5371	.0546
#2	1.881	.0490	.0486	.5174	.2060	.2530	.8606	.5436	.0577

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5069**	**.6203**	**2.232**	**2.075**	**.5473**	**2.278**	**.5384**	**2.088**	**518.8**
Stddev	.0132	.0040	.019	.009	.0035	.013	.0062	.068	12.2
%RSD	2.602	.6496	.8513	.4305	.6385	.5671	1.151	3.272	2.352
#1	.4976	.6175	2.219	2.069	.5448	2.269	.5340	2.137	527.4
#2	.5162	.6232	2.246	2.082	.5498	2.288	.5428	2.040	510.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.045**	**59.07**	**24.90**	**1162.**	**6.813**	**2.150**	**2.087**	**11.00**	**2.114**
Stddev	.070	1.28	.53	24.	.045	.017	.043	.06	.011
%RSD	3.445	2.169	2.145	2.095	.6603	.7754	2.051	.5771	.5158
#1	2.095	59.97	25.28	1179.	6.781	2.138	2.057	10.96	2.107
#2	1.995	58.16	24.52	1144.	6.845	2.162	2.118	11.05	2.122

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.831**	**2.103**	**.0298**	**-.0030**	**953.1**	**.0028**	**.7797**
Stddev	.125	.038	.0002	.0009	5.4	.0019	.0187
%RSD	2.141	1.799	.8307	31.41	.5631	68.62	2.392
#1	5.920	2.076	.0300	-.0023	949.3	.0041	.7928
#2	5.743	2.130	.0297	-.0037	956.9	.0014	.7665

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50231.**	**9129.6**	**1653.8**	**3273.3**
Stddev	971.	178.1	10.1	15.3
%RSD	1.9328	1.9511	.60944	.46636
#1	50917.	9003.6	1661.0	3284.1
#2	49544.	9255.5	1646.7	3262.5

Zoom In Zoom Out

Sample Name: mp80250-s2 Acquired: 6/25/2014 16:53:38 Type: Unk
Method: Accutest1(v297) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.990**	**.0520**	**.0478**	**.5226**	**.2102**	**.2514**	**.8808**	**.5443**	**.0494**
Stddev	.014	.0002	.0003	.0023	.0053	.0035	.0014	.0046	.0067
%RSD	.6830	.2974	.7089	.4439	2.538	1.382	.1642	.8390	13.59
#1	2.000	.0521	.0480	.5210	.2064	.2490	.8818	.5410	.0542
#2	1.981	.0519	.0475	.5242	.2139	.2539	.8798	.5475	.0447

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5162**	**.7136**	**2.224**	**2.146**	**.5641**	**2.270**	**.5321**	**2.154**	**540.4**
Stddev	.0027	.0029	.011	.008	.0082	.003	.0122	.028	.9
%RSD	.5188	.4005	.5140	.3801	1.454	.1484	2.286	1.293	.1629
#1	.5143	.7156	2.232	2.140	.5583	2.268	.5235	2.173	541.0
#2	.5181	.7116	2.216	2.152	.5699	2.273	.5407	2.134	539.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.148**	**61.50**	**25.08**	**1214.**	**6.909**	**2.184**	**2.090**	**11.22**	**2.171**
Stddev	.045	.32	.33	3.	.020	.002	.023	.07	.001
%RSD	2.114	.5213	1.308	.2525	.2923	.0824	1.120	.6624	.0353
#1	2.180	61.28	25.31	1216.	6.894	2.182	2.106	11.17	2.172
#2	2.116	61.73	24.85	1212.	6.923	2.185	2.073	11.27	2.171

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.077**	**2.154**	**.0088**	**.0018**	**965.7**	**.0078**	**.8124**
Stddev	.037	.002	.0015	.0017	.1	.0040	.0182
%RSD	.6126	.0679	17.33	91.30	.0072	51.19	2.241
#1	6.103	2.155	.0077	.0007	965.7	.0107	.8252
#2	6.051	2.153	.0099	.0030	965.8	.0050	.7995

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**51284.**	**9097.2**	**1705.4**	**3450.7**
Stddev	26.	49.7	6.2	12.4
%RSD	.05076	.54607	.36083	.35988
#1	51303.	9062.0	1709.8	3459.5
#2	51266.	9132.3	1701.1	3442.0

Zoom In Zoom Out

Sample Name: jb69676-26f Acquired: 6/25/2014 16:59:48 Type: Unk
Method: Accutest1(v297) 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	**.0141**	**-.0005**	**-.0004**	**.0009**	**.0004**	**-.0020**	**.3472**	**-.0006**	**.0016**
Stddev	.0015	.0002	.0007	.0014	.0024	.0027	.0025	.0005	.0013
%RSD	10.68	36.42	155.7	148.6	531.0	133.3	.7091	85.99	81.05
#1	.0151	-.0004	.0000	.0019	.0021	-.0001	.3490	-.0010	.0025
#2	.0130	-.0007	-.0009	-.0000	-.0012	-.0040	.3455	-.0002	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0023**	**-.0079**	**.0104**	**.0067**	**.0139**	**-.0102**	**.1342**	**501.8**
Stddev	.0009	.0001	.0013	.0027	.0005	.0012	.0027	.0165	6.2
%RSD	154.9	4.031	16.03	26.37	8.012	8.312	26.95	12.33	1.232
#1	.0012	.0023	-.0088	.0123	.0070	.0131	-.0121	.1225	506.2
#2	-.0001	.0022	-.0070	.0085	.0063	.0147	-.0082	.1459	497.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.005**	**34.78**	**.8724**	**1169.**	**4.681**	**.0004**	**.0271**	**9.009**	**-.0073**
Stddev	.013	.17	.0301	15.	.070	.0002	.0064	.135	.0035
%RSD	1.243	.4982	3.456	1.254	1.496	47.68	23.46	1.501	47.24
#1	.9959	34.90	.8937	1180.	4.730	.0003	.0226	9.104	-.0098
#2	1.014	34.66	.8511	1159.	4.631	.0005	.0316	8.913	-.0049

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.966**	**.0010**	**.0031**	**-.0019**	**975.5**	**-.0047**	**.7897**
Stddev	.065	.0014	.0024	.0000	14.8	.0014	.0120
%RSD	1.627	142.7	76.30	1.804	1.517	29.97	1.517
#1	4.011	.0020	.0047	-.0019	986.0	-.0037	.7982
#2	3.920	-.0000	.0014	-.0019	965.0	-.0057	.7813

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	50076.	9025.0	1640.6	3251.6
Stddev	560.	128.1	19.5	39.7
%RSD	1.1177	1.4193	1.1915	1.2202
#1	49680.	8934.4	1626.8	3223.5
#2	50471.	9115.6	1654.5	3279.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 17:06:01 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.945**	**2.028**	**2.031**	**2.012**	**2.032**	**1.968**	**2.054**	**2.075**	**.2469**
Stddev	.014	.018	.035	.028	.028	.034	.029	.028	.0029
%RSD	.7277	.8689	1.710	1.387	1.396	1.725	1.428	1.336	1.159
#1	1.935	2.016	2.056	2.032	2.012	1.944	2.033	2.094	.2449
#2	1.955	2.041	2.006	1.993	2.052	1.992	2.074	2.055	.2490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**2.052**	**2.041**	**2.082**	**2.096**	**2.043**	**2.048**	**39.34**	**40.42**
Stddev	.034	.027	.036	.027	.020	.033	.037	.32	.28
%RSD	1.669	1.314	1.745	1.304	.9733	1.600	1.831	.8245	.7041
#1	1.985	2.071	2.066	2.101	2.110	2.066	2.074	39.11	40.21
#2	2.032	2.033	2.016	2.063	2.081	2.020	2.021	39.57	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	**41.25**	**39.91**	**37.44**	**37.93**	**2.078**	**2.089**	**1.983**	**5.175**	**2.103**
Stddev	.27	.38	.30	.31	.033	.036	.034	.092	.035
%RSD	.6647	.9583	.7994	.8222	1.606	1.740	1.735	1.776	1.658
#1	41.05	39.64	37.23	37.71	2.101	2.115	1.959	5.240	2.128
#2	41.44	40.18	37.65	38.15	2.054	2.063	2.008	5.110	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 17:06:01 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.968**	**2.001**	**2.064**	**2.003**	**2.015**	**2.040**	**1.913**
Stddev	.017	.029	.030	.034	.037	.037	.019
%RSD	.8523	1.432	1.469	1.695	1.848	1.816	1.010
#1	1.956	1.981	2.086	1.979	2.042	2.066	1.900
#2	1.980	2.021	2.043	2.027	1.989	2.014	1.927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	51327.	8910.7	1725.4	3461.8
Stddev	758.	55.2	30.8	49.8
%RSD	1.4770	.61964	1.7853	1.4386
#1	51863.	8949.7	1703.6	3426.6
#2	50791.	8871.7	1747.2	3497.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 17:11:55 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0002**	**.0002**	**.0001**	**.0000**	**.0002**	**-.0003**	**-.0002**
Stddev	.0003	.0001	.0001	.0002	.0000	.0001	.0000	.0001	.0004
%RSD	92.22	67.90	56.38	61.93	14.14	1105.	16.32	24.77	170.1
#1	.0001	.0002	.0003	.0004	.0001	.0001	.0003	-.0004	.0001
#2	.0005	.0001	.0001	.0001	.0002	-.0001	.0002	-.0003	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0000**	**-.0002**	**.0009**	**.0006**	**.0019**	**-.0003**	**.0129**	**.0042**
Stddev	.0002	.0002	.0010	.0004	.0009	.0001	.0003	.0081	.0002
%RSD	140.5	377.1	422.9	42.64	164.7	7.127	112.7	62.59	4.452
#1	.0000	-.0002	.0005	.0012	.0012	.0018	-.0005	.0072	.0041
#2	.0004	.0001	-.0009	.0006	-.0001	.0020	-.0001	.0186	.0043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**-.0025**	**-.0117**	**.0290**	**.0012**	**.0011**	**.0009**	**-.0012**	**-.0003**
Stddev	.0023	.0259	.0012	.0002	.0001	.0002	.0006	.0001	.0003
%RSD	58.06	1049.	10.35	.5826	11.04	17.39	68.36	4.461	111.7
#1	.0056	-.0208	-.0108	.0289	.0011	.0010	.0004	-.0012	-.0001
#2	.0023	.0158	-.0126	.0291	.0012	.0012	.0013	-.0012	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 17:11:55 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	**.0054**	**.0003**	**.0099**	**-.0002**	**-.0000**
Stddev	.0001	.0002	.0006	.0001	.0009	.0008	.0003
%RSD	36.37	30.51	11.28	17.75	8.956	480.5	581.4
#1	.0002	.0004	.0058	.0003	.0093	-.0007	.0002
#2	.0003	.0006	.0049	.0003	.0106	.0004	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55597.**	**9139.7**	**1845.4**	**3980.4**
Stddev	133.	7.5	1.5	3.3
%RSD	.23973	.08227	.08138	.08330
#1	55503.	9145.0	1846.5	3982.8
#2	55692.	9134.4	1844.4	3978.1

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 17:18:06 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1974**	**.0022**	**.0035**	**.0510**	**.0105**	**.0100**	**.0161**	**.0103**	**.0054**
Stddev	.0018	.0000	.0001	.0000	.0004	.0004	.0002	.0005	.0002
%RSD	.8957	1.329	2.433	.0591	3.330	3.594	1.204	4.940	4.266
#1	.1987	.0022	.0035	.0510	.0108	.0097	.0160	.0100	.0056
#2	.1962	.0022	.0034	.0510	.0103	.0102	.0163	.0107	.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0539**	**.0230**	**.0095**	**.0110**	**.0039**	**.0130**	**.0058**	**.2098**	**5.103**
Stddev	.0008	.0001	.0008	.0004	.0007	.0007	.0001	.0069	.027
%RSD	1.566	.2671	8.239	3.834	16.95	5.174	2.497	3.275	.5257
#1	.0533	.0230	.0100	.0107	.0034	.0125	.0059	.2050	5.122
#2	.0545	.0229	.0089	.0113	.0044	.0135	.0057	.2147	5.084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1093**	**5.106**	**4.580**	**4.755**	**.1070**	**.0218**	**.0550**	**.2053**	**.0109**
Stddev	.0007	.015	.027	.038	.0001	.0000	.0000	.0009	.0007
%RSD	.6847	.2909	.5829	.7924	.1095	.0833	.0874	.4401	6.062
#1	.1088	5.117	4.599	4.781	.1071	.0218	.0550	.2046	.0114
#2	.1099	5.096	4.561	4.728	.1070	.0218	.0550	.2059	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 17:18:06 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104**	**.0104**	**.0559**	**.0100**	**.0565**	**.0215**	**.0202**
Stddev	.0000	.0004	.0000	.0001	.0020	.0002	.0004
%RSD	.4014	3.991	.0490	.9977	3.487	.7273	1.937
#1	.0103	.0106	.0559	.0099	.0579	.0214	.0204
#2	.0104	.0101	.0559	.0101	.0551	.0216	.0199
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	**54359.**	**9048.4**	**1814.1**	**3853.9**
Stddev	719.	53.8	7.1	8.6
%RSD	1.3226	.59448	.38978	.22420
#1	54867.	9010.4	1819.1	3860.0
#2	53850.	9086.5	1809.1	3847.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 17:24:15 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**.0010**	**.0010**	**.0030**	**.0016**	**.0022**	**.0033**	**.0040**
Stddev	.0000	.0001	.0000	.0001	.0001	.0003	.0000	.0001
%RSD	.5663	7.730	.8594	2.133	6.155	12.67	.7743	1.381
#1	.0038	.0009	.0010	.0031	.0017	.0024	.0033	.0040
#2	.0038	.0010	.0010	.0030	.0016	.0020	.0033	.0041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0019**	**.0121**	**.0023**	**.0023**	**.0019**	F **.0076**	**.0027**
Stddev	.0002	.0002	.0001	.0004	.0007	.0001	.0026	.0006
%RSD	22.52	9.572	.6544	16.51	28.35	6.237	34.88	23.49
#1	.0008	.0018	.0120	.0020	.0028	.0020	.0094	.0022
#2	.0011	.0020	.0121	.0026	.0019	.0018	.0057	.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.0050	
Range							30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0959**	**1.032**	**-.0035**	**.0922**	**1.838**	**.9533**	**.0103**	**.0001**
Stddev	.0024	.002	.0039	.0209	.018	.0038	.0005	.0001
%RSD	2.505	.2199	109.2	22.69	.9565	.4035	4.873	66.17
#1	.0942	1.034	-.0063	.0774	1.825	.9560	.0106	.0001
#2	.0976	1.031	-.0008	.1070	1.850	.9505	.0099	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 17:24:15 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0046**	**-.0007**	**.0000**	**-.0001**	F **.0005**	F **-.0001**	**.0040**
Stddev	.0008	.0005	.0011	.0001	.0001	.0003	.0001	.0004
%RSD	375.9	11.12	156.1	1672.	144.3	55.02	139.0	10.72
#1	.0008	-.0050	.0001	.0001	.0000	.0003	-.0001	.0043
#2	-.0004	-.0042	-.0015	-.0000	-.0001	.0008	-.0000	.0037
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 **-.0009**	F **-.0005**
Stddev	.0007	.0003
%RSD	71.16	65.66
#1	-.0005	-.0003
#2	-.0014	-.0007
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55398.**	**9181.6**	**1834.7**	**3944.0**
Stddev	97.	.7	10.6	21.6
%RSD	.17494	.00782	.57942	.54774
#1	55467.	9181.1	1842.3	3959.3
#2	55330.	9182.1	1827.2	3928.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 17:30:26 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

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**	**-.0000**	**-.0001**	**-.0003**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0000	.0002	.0001
%RSD	58.46	2.196	130.1	166.0	406.3	36.50	118.3	177.7	21.32
#1	.0001	-.0001	-.0002	.0001	-.0001	-.0003	-.0000	.0000	-.0002
#2	.0002	-.0001	-.0000	-.0000	.0001	-.0004	-.0001	-.0002	-.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	**-.0000**	**.0002**	**.0202**	**.0004**	**.0211**	**.0212**	**.0200**	**.4841**	**-.0057**
Stddev	.0002	.0001	.0001	.0016	.0010	.0007	.0014	.0007	.0059
%RSD	727.7	80.09	.5221	393.9	4.553	3.539	7.065	.1452	102.7
#1	-.0002	.0003	.0201	-.0007	.0204	.0206	.0190	.4836	-.0099
#2	.0001	.0001	.0203	.0015	.0218	.0217	.0211	.4846	-.0016
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5319**	**-.0089**	**-.0341**	**.0018**	**.0001**	**.0000**	**-.0002**	**-.0032**	**.0004**
Stddev	.0004	.0139	.0023	.0026	.0003	.0002	.0010	.0000	.0003
%RSD	.0817	155.4	6.620	144.0	302.4	534.8	652.8	.7338	73.70
#1	.5322	-.0187	-.0357	.0037	.0003	-.0001	-.0009	-.0032	.0002
#2	.5316	.0009	-.0325	-.0000	-.0001	.0002	.0005	-.0033	.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 17:30:26 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0002**	**-.0022**	**-.0003**	**.0016**	**-.0001**	**-.0000**
Stddev	.0000	.0003	.0006	.0001	.0009	.0002	.0002
%RSD	2.605	133.5	29.29	41.03	56.38	133.8	1115.
#1	-.0000	-.0004	-.0026	-.0003	.0010	-.0000	-.0002
#2	-.0000	-.0000	-.0017	-.0002	.0022	-.0003	.0001
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55356.**	**9248.5**	**1852.3**	**3980.3**
Stddev	45.	20.7	5.2	14.5
%RSD	.08095	.22420	.28013	.36512
#1	55387.	9263.1	1856.0	3990.6
#2	55324.	9233.8	1848.7	3970.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 6/25/2014 17:36:37 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**.0008**	**.0009**	**.0009**	**-.0045**	**-.0015**	**-.0016**	**-.0000**
Stddev	.0000	.0000	.0003	.0003	.0005	.0004	.0001	.0004	.0014
%RSD	.4538	20.20	40.25	33.90	54.55	7.876	3.434	25.63	8251.
#1	-.0015	-.0001	.0006	.0007	.0006	-.0047	-.0015	-.0013	-.0010
#2	-.0015	-.0001	.0011	.0011	.0013	-.0042	-.0015	-.0018	.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	**.0020**	**-.0015**	**-.0045**	**-.0000**	**.0026**	**-.0010**	**.0025**	**502.6**	**392.5**
Stddev	.0001	.0001	.0002	.0005	.0020	.0025	.0002	.6	.2
%RSD	4.837	9.379	5.325	3970.	74.76	249.6	7.838	.1241	.0485
#1	.0020	-.0014	-.0047	-.0004	.0040	-.0028	.0024	502.2	392.4
#2	.0021	-.0016	-.0043	.0003	.0012	.0008	.0026	503.1	392.7
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	**187.1**	**526.8**	**.1667**	**.0127**	**.0006**	**-.0025**	**.0013**	**-.0073**	**-.0049**
Stddev	.4	.0	.0043	.0077	.0004	.0007	.0003	.0002	.0018
%RSD	.1971	.0017	2.571	61.10	64.87	26.16	25.88	3.030	37.59
#1	186.8	526.9	.1636	.0181	.0003	-.0021	.0010	-.0075	-.0062
#2	187.3	526.8	.1697	.0072	.0008	-.0030	.0015	-.0071	-.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 6/25/2014 17:36:37 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0010**	**.0107**	**.0006**	**-.0282**	**-.0140**	**.0037**
Stddev	.0001	.0003	.0018	.0003	.0030	.0003	.0003
%RSD	1.515	32.47	16.33	51.28	10.69	1.809	8.455
#1	-.0056	.0013	.0095	.0004	-.0303	-.0139	.0039
#2	-.0055	.0008	.0120	.0009	-.0261	-.0142	.0035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**47222.**	**8459.2**	**1583.3**	**3024.3**
Stddev	8.	5.9	7.6	11.2
%RSD	.01747	.06934	.48223	.36980
#1	47228.	8455.0	1588.7	3032.2
#2	47216.	8463.3	1577.9	3016.4

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/25/2014 17:42:43 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4952**	**.5011**	**1.016**	**.4774**	**.4768**	**.5272**	**.4924**	**.9735**	**1.035**
Stddev	.0013	.0002	.004	.0013	.0006	.0009	.0032	.0040	.002
%RSD	.2707	.0394	.4107	.2789	.1197	.1641	.6522	.4149	.1664
#1	.4943	.5013	1.019	.4783	.4764	.5266	.4901	.9763	1.033
#2	.4962	.5010	1.013	.4764	.4772	.5278	.4946	.9706	1.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4894**	**.9399**	**1.074**	**.9312**	**.9670**	**1.087**	**1.062**	**497.5**	**377.2**
Stddev	.0023	.0036	.001	.0070	.0051	.001	.004	1.2	.8
%RSD	.4726	.3852	.1005	.7506	.5301	.1130	.4011	.2323	.2101
#1	.4877	.9424	1.073	.9361	.9706	1.088	1.065	496.7	376.7
#2	.4910	.9373	1.075	.9262	.9633	1.087	1.059	498.3	377.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**191.6**	**517.5**	**.1863**	**.0239**	**.0027**	**.5063**	**.5497**	**-.0072**	**-.0020**
Stddev	.1	1.9	.0028	.0054	.0009	.0015	.0010	.0002	.0013
%RSD	.0529	.3675	1.495	22.77	33.12	.2958	.1763	2.617	66.76
#1	191.5	516.2	.1844	.0201	.0021	.5073	.5490	-.0074	-.0010
#2	191.6	518.9	.1883	.0278	.0034	.5052	.5504	-.0071	-.0029
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/25/2014 17:42:43 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0011**	**.5375**	**.5615**	**.4482**	**.5342**	**.5246**
Stddev	.0001	.0001	.0020	.0007	.0080	.0005	.0022
%RSD	2.266	10.91	.3684	.1173	1.780	.0862	.4205
#1	-.0051	.0012	.5389	.5611	.4539	.5345	.5231
#2	-.0053	.0011	.5361	.5620	.4426	.5339	.5262
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	**46947.**	**8480.5**	**1594.9**	**3053.9**
Stddev	100.	1.6	2.2	9.4
%RSD	.21359	.01853	.13767	.30623
#1	47018.	8479.4	1593.3	3047.3
#2	46876.	8481.6	1596.4	3060.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 17:48:41 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.959**	**2.054**	**2.004**	**1.988**	**2.037**	**1.969**	**2.063**	**2.057**	**.2473**
Stddev	.001	.007	.001	.002	.038	.029	.042	.008	.0021
%RSD	.0280	.3413	.0393	.0857	1.880	1.501	2.009	.4056	.8481
#1	1.959	2.059	2.003	1.987	2.064	1.990	2.092	2.051	.2488
#2	1.959	2.049	2.004	1.989	2.010	1.948	2.034	2.063	.2458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**2.023**	**2.017**	**2.048**	**2.079**	**2.027**	**2.030**	**39.94**	**41.46**
Stddev	.036	.001	.000	.003	.003	.001	.003	.09	.30
%RSD	1.791	.0608	.0180	.1265	.1399	.0394	.1601	.2328	.7300
#1	2.031	2.022	2.017	2.046	2.077	2.026	2.028	40.01	41.68
#2	1.981	2.024	2.017	2.050	2.081	2.027	2.032	39.88	41.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.99**	**40.76**	**37.88**	**38.29**	**2.055**	**2.072**	**1.980**	**5.139**	**2.084**
Stddev	.30	.25	.02	.04	.001	.002	.030	.005	.002
%RSD	.7092	.6122	.0597	.1041	.0496	.1150	1.493	.0942	.0709
#1	42.20	40.94	37.89	38.32	2.055	2.071	2.001	5.136	2.085
#2	41.78	40.59	37.86	38.26	2.056	2.074	1.959	5.143	2.083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 17:48:41 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.980**	**2.003**	**2.061**	**2.007**	**1.963**	**2.012**	**1.917**
Stddev	.001	.033	.006	.034	.004	.002	.002
%RSD	.0604	1.635	.2939	1.675	.2065	.0940	.0949
#1	1.979	2.026	2.056	2.031	1.960	2.010	1.919
#2	1.981	1.980	2.065	1.984	1.966	2.013	1.916
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	**51216.**	**8730.2**	**1743.9**	**3493.5**
Stddev	811.	52.5	1.9	6.1
%RSD	1.5833	.60170	.10932	.17432
#1	50643.	8693.0	1745.3	3497.8
#2	51790.	8767.3	1742.6	3489.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 17:54:35 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**.0001**	**.0002**	**-.0002**	**-.0001**	**.0002**	**-.0001**	**-.0003**
Stddev	.0001	.0000	.0001	.0001	.0000	.0004	.0000	.0000	.0002
%RSD	197.9	192.3	74.79	59.48	20.33	594.2	10.72	79.53	68.41
#1	.0001	.0000	.0000	.0003	-.0003	-.0003	.0002	-.0000	-.0002
#2	-.0000	-.0000	.0001	.0001	-.0002	.0002	.0001	-.0001	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0004**	**-.0003**	**-.0007**	**.0005**	**.0028**	**.0006**	**.0031**	**-.0000**
Stddev	.0000	.0003	.0005	.0008	.0008	.0002	.0001	.0013	.0048
%RSD	5.731	59.59	140.8	120.2	172.7	5.819	12.46	41.02	26050.
#1	.0001	-.0003	-.0007	-.0012	.0011	.0027	.0007	.0040	-.0034
#2	.0001	-.0006	-.0000	-.0001	-.0001	.0029	.0006	.0022	.0034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**.0088**	**-.0128**	**-.0049**	**.0011**	**.0010**	**-.0011**	**-.0014**	**-.0001**
Stddev	.0038	.0091	.0018	.0014	.0001	.0001	.0005	.0005	.0001
%RSD	98.16	103.3	14.33	28.12	10.36	11.81	46.21	33.26	113.1
#1	.0012	.0152	-.0115	-.0039	.0010	.0011	-.0015	-.0017	-.0002
#2	.0065	.0024	-.0141	-.0058	.0012	.0009	-.0008	-.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: 6/25/2014 17:54:35 Type: QC
Method: Accutest1(v297) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0066**	**.0003**	**.0006**	**-.0007**	**-.0002**
Stddev	.0001	.0004	.0008	.0001	.0016	.0005	.0002
%RSD	38.95	245.6	12.18	24.54	269.2	65.45	71.12
#1	.0001	-.0004	.0072	.0004	.0017	-.0011	-.0003
#2	.0002	.0001	.0061	.0003	-.0005	-.0004	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54847.**	**9126.8**	**1849.4**	**3971.9**
Stddev	186.	159.3	1.4	.5
%RSD	.33858	1.7459	.07368	.01347
#1	54978.	9239.5	1848.5	3971.5
#2	54715.	9014.1	1850.4	3972.3

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.002000	0.000000	No
Be 313.042 {108}	☒	12	V	0.000100	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000800	0.000000	No
			Mn	0.000022	0.000000	No
			Ba	-0.000000	0.000000	No
			Co	-0.000004	0.000000	No
			Ni	-0.000050	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.000008	0.000000	No
Cd 228.802 {448}	☒	14	As	0.012500	0.000000	No
			Ni	0.000116	0.000000	No
			Fe	0.000010	0.000000	No
			V	0.000161	0.000000	No
			Ba	0.000046	0.000000	No
			Co	-0.004524	0.000000	No
			Sr	-0.000006	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000013	0.000000	No
			Cr	-0.000010	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000276	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	-0.000200	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001100	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001659	0.000000	No
			Ba	-0.000009	0.000000	No
			W	0.000160	0.000000	No
			Cd	0.000012	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	-0.000130	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.000000	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	0.000000	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	0.000013	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	20	Cr	0.000040	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000456	0.000000	No
			Ti	-0.000121	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	-0.000095	0.000000	No
			Al	0.000003	0.000000	No
			Sn	-0.000497	0.000000	No
			Zn	-0.000004	0.000000	No
			Co	-0.000858	0.000000	No
			Zr	-0.000330	0.000000	No
			Si	0.000080	0.000000	No
			Mn	-0.000080	0.000000	No
			Se	0.000050	0.000000	No
			Ba	0.000008	0.000000	No
			Ag	-0.000077	0.000000	No
			Pb	0.000002	0.000000	No
			Sb	0.000370	0.000000	No
			Mg	0.000006	0.000000	No
			Ca	0.000007	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	☒	9	Fe	-0.000034	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000005	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
			Cr	-0.000110	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000028	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	-0.000278	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000004	0.000000	No
			Mo	-0.000030	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000100	0.000000	No
			Se	0.000286	0.000000	No
			Al	-0.000003	0.000000	No
			Cr	0.000006	0.000000	No
			Si	-0.000030	0.000000	No
			Sn	0.000079	0.000000	No
			Ba	0.000000	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.000000	0.000000	No
Ag 328.068 {103}	☒	15	Mn	0.000100	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	-0.000486	0.000000	No
			Fe	-0.000605	0.000000	No
			V	0.000000	0.000000	No
			Zn	-0.001680	0.000000	No
			Ca	-0.000010	0.000000	No
			Al	-0.000003	0.000000	No
			Sr	-0.000008	0.000000	No
			Mg	-0.000002	0.000000	No
			Ba	-0.000250	0.000000	No
			Cr	-0.000057	0.000000	No
			Si	-0.000176	0.000000	No
			Zr	0.005200	0.000000	No
			W	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
			Mo	-0.011200	0.000000	No
			Fe	0.000026	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.002120	0.000000	No
			Mn	-0.000513	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000597	0.000000	No
			Mo	0.000444	0.000000	No
			Fe	0.000009	0.000000	No
			Al	0.000006	0.000000	No
			Si	-0.000035	0.000000	No
			Ba	0.000108	0.000000	No
			Na	0.000003	0.000000	No
			Ca	-0.000008	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000456	0.000000	No
			As	0.000200	0.000000	No
			Be	0.000071	0.000000	No
			Pd	0.000280	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
			Mn	0.000400	0.000000	No
As 189.042 {478}	☒	24	Al	0.000006	0.000000	No
			Fe	-0.000039	0.000000	No
			Ca	-0.000008	0.000000	No
			Mn	-0.000205	0.000000	No
			Mo	0.002030	0.000000	No
			Cr	-0.003000	0.000000	No
			V	-0.000094	0.000000	No
			Co	-0.000905	0.000000	No
			Ba	0.000001	0.000000	No
			W	0.000000	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000194	0.000000	No
			Tl	-0.000370	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000004	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000100	0.000000	No
			Sr	-0.000300	0.000000	No
			Pd	0.025000	0.000000	No
			Zr	-0.001900	0.000000	No
			Ti	-0.000100	0.000000	No
			S	0.000008	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000450	0.000000	No
			Mo	-0.008120	0.000000	No
			Al	0.000006	0.000000	No
			Fe	-0.000103	0.000000	No
			V	-0.024400	0.000000	No
			Mn	0.001290	0.000000	No
			Si	-0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.000790	0.000000	No
			Mg	-0.000006	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002336	0.000000	No
				Sr	-0.000100	0.000000	No
				B	-0.000200	0.000000	No
				Ba	0.000143	0.000000	No
				Zn	-0.000580	0.000000	No
				As	-0.000045	0.000000	No
				Ni	0.000000	0.000000	No
				Cu	0.000097	0.000000	No
				Zr	-0.018000	0.000000	No
				Pd	0.000051	0.000000	No
				Pb	0.000035	0.000000	No
				S	-0.000010	0.000000	No
				W	0.000000	0.000000	No
				Na	-0.000001	0.000000	No
				K	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
	Pb 220.353 {453}	☒	24	Al	-0.000067	0.000000	No
				Fe	0.000051	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	0.000047	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002020	0.000000	No
				Cu	0.000304	0.000000	No
				V	-0.000038	0.000000	No
				Co	-0.000447	0.000000	No
				Ti	-0.000050	0.000000	No
				Si	-0.000060	0.000000	No
				Ba	-0.000012	0.000000	No
				Sb	-0.000200	0.000000	No
				Sr	-0.000043	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000166	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000435	0.000000	No
				Ni	0.000299	0.000000	No
				S	-0.000006	0.000000	No
				Se	0.000096	0.000000	No
				K	0.000000	0.000000	No
	Se 196.090 {472}	☒	24	Al	0.000001	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000265	0.000000	No
				Mo	0.000287	0.000000	No
				Fe	-0.000150	0.000000	No
				Co	0.000055	0.000000	No
				V	-0.000100	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No
				Si	-0.000190	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	0.000000	0.000000	No
				Pd	0.000300	0.000000	No
				Ti	-0.000429	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	-0.020000	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	0.000200	0.000000	No
			W	0.060000	0.000000	No
			K	0.000000	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000025	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.001557	0.000000	No
			Cr	0.015200	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000200	0.000000	No
			Ti	0.000854	0.000000	No
			Sn	-0.012177	0.000000	No
			W	0.000000	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000260	0.000000	No
			Sr	0.000151	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.032500	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	-0.000017	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	0.001320	0.000000	No
			Tl	-0.002580	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	-0.000025	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.045250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.002000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027000	0.000000	No
Mo 202.030 {467}	☒	5	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000067	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.019800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000022	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.021300	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.059500	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000001	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.002660	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.003073	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No
			Si	0.000131	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	-0.000000	0.000000	No
			Ca	0.000043	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000110	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.002900	0.000000	No
			Sn	0.001300	0.000000	No
			Zr	-0.002570	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.003000	0.000000	No
			Co	0.000041	0.000000	No
			Ni	-0.000263	0.000000	No
			Be	-0.000130	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.000118	0.000000	No
			Ba	-0.000090	0.000000	No
			Tl	-0.000110	0.000000	No
Zr 339.198 { 99}	☒	7	Mo	0.000250	0.000000	No
			Ti	0.000090	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Pd	0.000200	0.000000	No
			W	0.000000	0.000000	No
S 182.034 {485}	☒	6	Ca	0.000085	0.000000	No
			Mo	0.000114	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	0.000012	0.000000	No
			Mn	0.002300	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	0.000007	0.000000	No
			Mg	0.000018	0.000000	No
			W	-0.003914	0.000000	No
			Cu	-0.000858	0.000000	No
			Fe	0.000065	0.000000	No
			Cr	0.001500	0.000000	No
			Ti	-0.006467	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Li 670.784 { 50}	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.004095	2.990261	0.000000	1.000000
Be 313.042 {108}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000293	2.092011	0.000000	1.000000
Cd 228.802 {448}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000645	1.052757	0.000000	1.000000
Co 228.616 {448}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000041	0.533818	0.000000	1.000000
Cr 267.716 {126}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000029	0.084247	0.000000	1.000000
Cu 324.754 {104}2	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.002351	0.233108	0.000000	1.000000
Mn 257.610 {131}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000009	0.467155	0.000000	1.000000
Ni 231.604 {446}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000103	0.380531	0.000000	1.000000
Ag 328.068 {103}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000134	0.121497	0.000000	1.000000
V 292.402 {115}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000035	0.106284	0.000000	1.000000
Zn 206.200 {464}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000642	0.935931	0.000000	1.000000
As 189.042 {478}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000225	0.105644	0.000000	1.000000
Tl 190.856 {477}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000106	0.055206	0.000000	1.000000
Pb 220.353 {453}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000308	0.154467	0.000000	1.000000
Se 196.090 {472}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000230	0.077995	0.000000	1.000000
Sb 206.833 {463}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000159	0.204107	0.000000	1.000000
Al 396.152 { 85}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000388	0.048976	0.000000	1.000000
Ca 317.933 {106}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.005844	0.045378	0.000000	1.000000
Fe 259.940 {130}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000112	0.032344	0.000000	1.000000
Mg 279.079 {121}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000020	0.004447	0.000000	1.000000
K 766.490 { 44}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.001758	0.070666	0.000000	1.000000
Na 589.592 { 57}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.010805	0.244172	0.000000	1.000000
B 208.959 {462}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000441	0.258146	0.000000	1.000000
Mo 202.030 {467}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000259	0.825954	0.000000	1.000000
Pd 340.458 { 99}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000184	0.045584	0.000000	1.000000
Si 212.412 {459}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.005123	0.274558	0.000000	1.000000
Sn 189.989 {478}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.000128	0.159445	0.000000	1.000000
Sr 407.771 { 83}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000696	5.547343	0.000000	1.000000
Ti 334.904 {101}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000106	0.123008	0.000000	1.000000
Y 360.073 { 94}*	6/26/2014 8:16:47	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/26/2014 8:16:47	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/26/2014 8:16:47	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/26/2014 8:16:47	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.003050	0.350239	0.000000	1.000000
Zr 339.198 { 99}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000085	0.295841	0.000000	1.000000
S 182.034 {485}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	0.001913	0.052170	0.000000	1.000000
Bi 223.061 {451}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.000397	0.274360	0.000000	1.000000
Li 670.784 { 50}	6/26/2014 8:16:47	6/25/2014 9:28:21	Linear	1/Conc	-0.001481	1.795845	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	0.000205	0.000685	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000095	0.000316	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000190	0.000634	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	0.000483	0.001612	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000396	0.001321	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000078	0.000259	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000324	0.001080	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000638	0.002127	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000442	0.001473	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000197	0.000655	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001375	0.004583	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001413	0.004710	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001159	0.003865	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002407	0.008023	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001181	0.003938	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.009816	0.032721	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004931	0.016437	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003933	0.013110	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.034274	0.114248	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.021783	0.072609	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.005515	0.018384	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000653	0.002176	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000254	0.000847	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001531	0.005103	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000874	0.002914	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000921	0.003071	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000081	0.000270	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000564	0.001881	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	0.001152	0.003840	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000226	0.000754	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.003086	0.010287	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001105	0.003683	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000796	0.002652	OK.	1.000000	0.000000	1	0

MA34315

Method: ACCUTEST Operator: Admin Date of Analysis: 25 Jun 2014 13:41:09

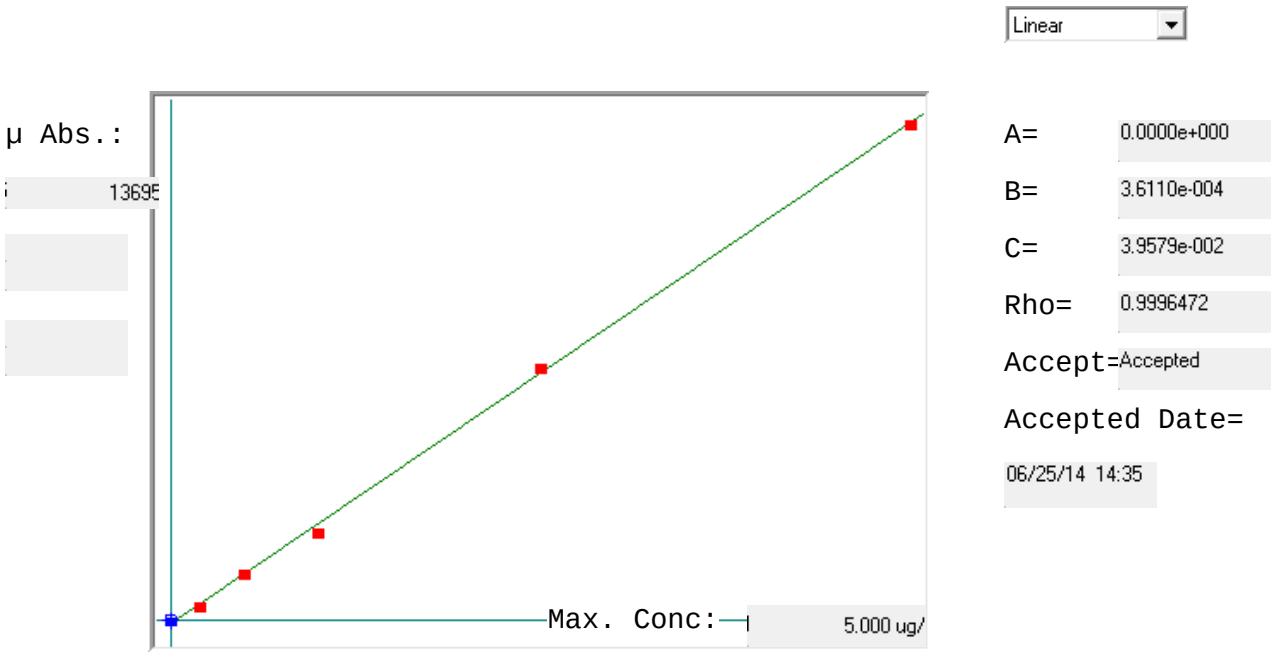
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	25 Jun 2014 13:41:24	Std	ug/l	-	22	1.000	1.000
STDB - 1	25 Jun 2014 13:42:42	Std	ug/l	-	397	1.000	1.000
STDC - 1	25 Jun 2014 13:44:00	Std	ug/l	-	1302	1.000	1.000
STDD - 1	25 Jun 2014 13:45:20	Std	ug/l	-	2431	1.000	1.000
STDE - 1	25 Jun 2014 13:46:43	Std	ug/l	-	6973	1.000	1.000
STDF - 1	25 Jun 2014 13:48:10	Std	ug/l	-	13695	1.000	1.000
ICV - 1	25 Jun 2014 14:37:07	SMPL	ug/l	2.7641	7545	1.000	1.000
ICB - 1	25 Jun 2014 14:38:23	SMPL	ug/l	-0.0337	-203	1.000	1.000
CCV - 1	25 Jun 2014 14:39:59	CK STND	ug/l	104.5% 2.6121	7124	1.000	1.000
CCB - 1	25 Jun 2014 14:41:15	CK STND	ug/l	-0.0586	-272	1.000	1.000
CRI - 1	25 Jun 2014 14:42:51	SMPL	ug/l	0.2039	455	1.000	1.000
MP80285-MB1 - 1	25 Jun 2014 14:55:37	SMPL	ug/l	0.0436	11	1.000	1.000
MP80285-LC1 - 1	25 Jun 2014 14:56:53	SMPL	ug/l	1.9722	5352	1.000	1.000
MP80285-S1 - 1	25 Jun 2014 14:58:10	SMPL	ug/l	2.4568	6694	1.000	1.000
MP80285-S2 - 1	25 Jun 2014 14:59:44	SMPL	ug/l	2.5059	6830	1.000	1.000
JB69485-1 - 1	25 Jun 2014 15:01:16	SMPL	ug/l	0.0573	49	1.000	1.000
JB68943-97 - 1	25 Jun 2014 15:06:01	SMPL	ug/l	1.8852	5111	1.000	1.000
JB69309-9 - 1	25 Jun 2014 15:07:18	SMPL	ug/l	0.4068	1017	1.000	1.000
JB69485-2 - 1	25 Jun 2014 15:08:50	SMPL	ug/l	-0.0012	-113	1.000	1.000
JB69485-3 - 1	25 Jun 2014 15:10:12	SMPL	ug/l	0.0937	150	1.000	1.000
CCV - 1	25 Jun 2014 15:11:32	CK STND	ug/l	108.2% 2.7045	7380	1.000	1.000
CCB - 1	25 Jun 2014 15:12:50	CK STND	ug/l	-0.0651	-290	1.000	1.000
JB69567-1 - 1	25 Jun 2014 15:17:28	SMPL	ug/l	0.4606	1166	1.000	1.000
JB69567-2 - 1	25 Jun 2014 15:18:45	SMPL	ug/l	0.4191	1051	1.000	1.000
JB69567-3 - 1	25 Jun 2014 15:20:04	SMPL	ug/l	0.0334	-17	1.000	1.000
JB69567-4 - 1	25 Jun 2014 15:21:24	SMPL	ug/l	0.0880	134	1.000	1.000
JB69567-5 - 1	25 Jun 2014 15:22:43	SMPL	ug/l	0.1060	184	1.000	1.000
JB69567-1F - 1	25 Jun 2014 15:24:01	SMPL	ug/l	0.1046	180	1.000	1.000
JB69567-2F - 1	25 Jun 2014 15:25:19	SMPL	ug/l	0.1039	178	1.000	1.000
JB69567-3F - 1	25 Jun 2014 15:26:38	SMPL	ug/l	0.1085	191	1.000	1.000
JB69567-4F - 1	25 Jun 2014 15:27:56	SMPL	ug/l	0.1324	257	1.000	1.000
JB69567-5F - 1	25 Jun 2014 15:29:15	SMPL	ug/l	0.0797	111	1.000	1.000
CCV - 1	25 Jun 2014 15:30:35	CK STND	ug/l	109.6% 2.7410	7481	1.000	1.000
CCB - 1	25 Jun 2014 15:31:52	CK STND	ug/l	-0.0460	-237	1.000	1.000
CCV - 1	25 Jun 2014 15:36:19	CK STND	ug/l	94.8% 2.3694	6452	1.000	1.000
CCB - 1	25 Jun 2014 15:37:35	CK STND	ug/l	-0.0420	-226	1.000	1.000
JB70051-1Q - 1	25 Jun 2014 15:39:12	SMPL	ug/l	0.0598	56	1.000	1.000
JB70052-1Q - 1	25 Jun 2014 15:40:30	SMPL	ug/l	0.0616	61	1.000	1.000
JB70054-1Q - 1	25 Jun 2014 15:41:48	SMPL	ug/l	0.0233	-45	1.000	1.000
JB70055-1Q - 1	25 Jun 2014 15:43:04	SMPL	ug/l	0.0631	65	1.000	1.000
JB64500-53 - 1	25 Jun 2014 15:44:21	SMPL	ug/l	0.0677	78	1.000	1.000
MP80286-MB1 - 1	25 Jun 2014 15:45:38	SMPL	ug/l	0.0789	109	1.000	1.000
MP80286-LC1 - 1	25 Jun 2014 15:46:54	SMPL	ug/l	2.0639	5606	1.000	1.000
MP80286-S1 - 1	25 Jun 2014 15:48:12	SMPL	ug/l	1.9816	5378	1.000	1.000
MP80286-S2 - 1	25 Jun 2014 15:49:46	SMPL	ug/l	2.4850	6772	1.000	1.000
JB69560-1 - 1	25 Jun 2014 15:51:16	SMPL	ug/l	0.0078	-88	1.000	1.000
CCV - 1	25 Jun 2014 15:52:47	CK STND	ug/l	92.6% 2.3145	6300	1.000	1.000
CCB - 1	25 Jun 2014 15:54:04	CK STND	ug/l	-0.0604	-277	1.000	1.000
JB69560-2 - 1	25 Jun 2014 16:00:52	SMPL	ug/l	0.1093	193	1.000	1.000
JB69560-13 - 1	25 Jun 2014 16:02:09	SMPL	ug/l	0.0984	163	1.000	1.000
JB69560-14 - 1	25 Jun 2014 16:03:28	SMPL	ug/l	0.0999	167	1.000	1.000
JB69560-15 - 1	25 Jun 2014 16:04:48	SMPL	ug/l	0.0627	64	1.000	1.000
JB69560-16 - 1	25 Jun 2014 16:06:07	SMPL	ug/l	0.0771	104	1.000	1.000
JB69565-1 - 1	25 Jun 2014 16:07:24	SMPL	ug/l	0.0779	106	1.000	1.000
JB69565-1F - 1	25 Jun 2014 16:08:41	SMPL	ug/l	0.0869	131	1.000	1.000
JB69446-3 - 1	25 Jun 2014 16:09:59	SMPL	ug/l	0.0815	116	1.000	1.000
JB70022-28 - 1	25 Jun 2014 16:11:17	SMPL	ug/l	0.0703	85	1.000	1.000
JB64500-54 - 1	25 Jun 2014 16:12:36	SMPL	ug/l	0.0999	167	1.000	1.000
CCV - 1	25 Jun 2014 16:13:54	CK STND	ug/l	97.3% 2.4333	6629	1.000	1.000
CCB - 1	25 Jun 2014 16:15:11	CK STND	ug/l	-0.0532	-257	1.000	1.000
JB69534-6 - 1	25 Jun 2014 16:16:47	SMPL	ug/l	0.0692	82	1.000	1.000
MP80287-MB1 - 1	25 Jun 2014 16:18:04	SMPL	ug/l	0.0154	-67	1.000	1.000
MP80287-B1 - 1	25 Jun 2014 16:19:21	SMPL	ug/l	2.0256	5500	1.000	1.000
MP80287-S1 - 1	25 Jun 2014 16:20:38	SMPL	ug/l	1.1442	3059	1.000	1.000
MP80287-S2 - 1	25 Jun 2014 16:22:14	SMPL	ug/l	1.1908	3188	1.000	1.000
JB69941-1 - 1	25 Jun 2014 16:23:43	SMPL	ug/l	-0.0395	-219	1.000	1.000
JB69766-1A - 1	25 Jun 2014 16:25:15	SMPL	ug/l	0.0082	-87	1.000	1.000
JB69807-2 - 1	25 Jun 2014 16:26:32	SMPL	ug/l	0.0302	-26	1.000	1.000
JB69709-2 - 1	25 Jun 2014 16:27:49	SMPL	ug/l	0.0179	-60	1.000	1.000

MA34315

Method: ACCUTEST Operator: Admin Date of Analysis: 25 Jun 2014 13:41:09

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB69849-2AB - 1	25 Jun 2014 16:29:06	SMPL	ug/l	0.0132	-73	1.000	1.000
CCV - 1	25 Jun 2014 16:30:23	CK STND	ug/l	96.9% 2.4228	6600	1.000	1.000
CCB - 1	25 Jun 2014 16:31:39	CK STND	ug/l	-0.0525	-255	1.000	1.000
MP80195-MB2 - 1	25 Jun 2014 16:33:15	SMPL	ug/l	0.0219	-49	1.000	1.000
MP80195-LC1 - 1	25 Jun 2014 16:34:32	SMPL	ug/l	2.0238	5495	1.000	1.000
JB70032-1 - 1	25 Jun 2014 16:35:49	SMPL	ug/l	-0.0431	-229	1.000	1.000
MP80200-MB2 - 1	25 Jun 2014 16:37:24	SMPL	ug/l	0.0157	-66	1.000	1.000
MP80200-LC1 - 1	25 Jun 2014 16:38:42	SMPL	ug/l	2.0448	5553	1.000	1.000
JB69884-1 - 1	25 Jun 2014 16:39:59	SMPL	ug/l	-0.0493	-246	1.000	1.000
JB69974-6 - 1	25 Jun 2014 16:41:34	SMPL	ug/l	-0.0052	-124	1.000	1.000
CCV - 1	25 Jun 2014 16:53:48	CK STND	ug/l	96.0% 2.3994	6535	1.000	1.000
CCB - 1	25 Jun 2014 16:55:04	CK STND	ug/l	-0.0420	-226	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	0.048	0.048	22	0.000	22				
STDB	0.200	0.183	-0.017	397	0.0 %	397				
STDC	0.500	0.510	0.010	1302	0.0 %	1302				
STDD	1.000	0.917	-0.083	2431	0.0 %	2431				
STDE	2.500	2.558	0.058	6973	0.0 %	6973				
STDF	5.000	4.985	-0.015	13695	0.0 %	13695				

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34307
Analyst:	JW
Date:	6/25/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B

EPA 245.5 CLP-M

Type of Digestion: Hot:Block#: Hot Block: Start Time: 9:30 Temp: 95°C End Time: 11:30 Temp: 95°C Tubes 1 to 41

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	MP80262-MB1	0.6000					MP80262	
5	MP80262-LC1	0.1010						
6	MP80262-S1	0.6847		2.0ml	Y	0.1		JB69534-1
7	MP80262-S2	0.6631		2.0ml	Y	0.1		JB69534-1
8	JB69534-1	0.6359						
9	JB69492-1A	0.6004						
10	JB69498-1	0.6703						
11	JB69534-2	0.6055						
12	JB69534-3	0.6485						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB69534-4	0.6193						
14	JB69534-5	0.6178						
15	JB69534-8	0.6800						
16	JB69534-9	0.6025						
17	JB69534-10	0.6667						
18	JB69559-1	0.6469						
19	JB69559-4	0.6158						
20	JB69559-6	0.6380						
21	JB69559-7	0.6157						
22	JB69559-8	0.6398						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	MP80278-MB1	0.6578					MP80278	
24	MP80278-LC1	0.6069						
25	MP80278-S1	0.6578		2.0ml	Y	0.1		JB69575-10
26	MP80278-S2	0.6069		2.0ml	Y	0.1		JB69575-10
27	JB69575-10	0.6424						
28	JB69575-5	0.6270						
29	JB69575-7	0.6115						
30	JB69575-4	0.6700						
31	JB69209-1	0.6123						
32	JB70038-1A	0.6153						
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: [signature]
QC REVIEWER: [signature]

DATE: 6/25/14
DATE: 6/26/14

11.7.1 11

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34307
Analyst:	JW
Date:	6/25/2014
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: 9:30 Temp: 95° End Time: 10:30 Temp: 95° Tubes 1 40 41
Hot:Block#: Hot:Block: Start Time: _____ Temp: _____ End Time: _____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
33	JB70043-1A	0.6294	100					
34	JB70043-6A	0.6564						
35	JB70069-1A	0.6018						
36	JB69603-1	0.6069						
37	JB69647-2A	0.6279						
38	JB69652-1	0.6736						
39	JB69974-1	0.6677						
40	JB69974-2	0.6360						
41	JB69974-3	0.6100						
42								
	CCV			2.5 ml	Y	0.1		
	CCB							
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
	CCV			2.5 ml	Y	0.1		
	CCB							
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
	CCV			2.5 ml	Y	0.1		
	CCB							
63								
64								
65								
66								

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____
QC REVIEWER: _____

DATE: 6/25/14
DATE: _____

11.7.1 11

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34307
Analyst:	JW
Date:	6/25/2014
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#: 7 Hot:Block: Start Time: 9:30 Temp: 95 °C End Time: 10:30 T Temp: 950 Tubes 1 to 41
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:** 6/25/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

11.7.1 11

ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34307

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. ~~Sulfuric~~ HCL (JW) Acid	6/16	Baker 60411
Conc. Nitric Acid	6/16	Baker 74185
Sodium Chloride-Hydroxylamine Hydrochloride	12/11/14	HG-1492-78 --HGHCL
Potassium Permanganate	12/12/14	HG-1492-76 --HGKM2
Stannous Chloride	6/26/14	HG-1492-126 --HGS
STD Hg standard solution 1000 ppm	1/31/16	ULTRA J01211
STD Hg standard solution 100 ppb	6/26/14	HG-1492-123 --HGA1
STD Hg standard solution 10 ppb	6/26/14	HG-1492-124 --HGA2
ICV Hg standard solution 1000 ppm	2/1/2015	INORG VENTURE F2-HG0215
ICV Hg standard solution ~~50~~ 100 ppb (FW)	6/26/14	HG-1492-125 --HGB1
Solid Lab control	11/14/16	ERA D082-540
Aqua Regia	6/26/14	HG-1492-127 --HGKAQ
Dilution acid	12/12/14	HG-1492-79 --HGD1
Digestion Tubes Lot	N/A	EXPRESS 13122222
Teflon Chips	N/A	Saint Gobain F718-2G022

Form: GN087A80-03
Rev. Date: 10/15/12

11.7.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA 34315
Analyst: JW
Date: 6/25/14
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 8 Start Time: 8:30 Temp: 95°C End time: 11:30 Temp: 95°C Tubes: 1 to 43

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	V	0.03		0.030 ppm Hg std.(Ext)
2	ICB								
	CCV				2.5 ML	V	0.03		0.030 ppm Hg std.
	CCB								
3	CRA				2.0 ML	V	0.003		0.003 ppm Hg std.
4	[redacted]	~						80285	SW846
5	LCS	1			2.0	V	0.03		
6	S1	V				V			JB69485-1
7	S2					~			
8	JB69485-1								
9	JB68943-57		5ml						Brown & Decolor
10	JB69309-4		5ml						Black & decolorh
11	JB69485-3		30						
12	-3								
	CCV								
	CCB				2.5 ML	V	0.03		0.03 ppm Hg std.
13	JB69567-1								
14	-2								
15	-3								
16	-4								
17	-5								
18	-1R								
19	-2R								
20	-3R								
21	-4R								
22	-5R								
	CCV								
	CCB				2.5 ML	V	0.03		0.03 ppm Hg std.
23	JB70051-1Q								
24	JB70052-1Q								
25	JB70054-1Q								
26	JB70055-1Q								
27	JB69500-3								
28	[redacted]								
29	LCS							80286	
30	S1				2.0	V	0.03		
31	S2					V			JB69560-15
32	JB69560-1		5ml			V			Brown & Decolor
	CCV		30						
	CCB				2.5 ML	V	0.03		0.03 ppm Hg std.

Form GN022A-02
Revision Date: 03/25/13

ANALYST: [signature]
QC REVIEWER: [signature]

DATE: 6/25/14
DATE: 6/25/14

11.7.2 11

ACCUTEST

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34315
Analyst: JW
Date: 6/25/14
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 8: Start Time: 12:00 Temp: 95 C End time: 14:00 Temp: 95 C Tubes: 44 to
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	JB69560-2	Y	5mL	30					Bom & Decolum
34	-3		5mL						
35	-4		30						
36	-5								
37	-6								
38	JB69565-1								
39	-1F								
40	JB69446-3								
41	JB70022-2B								
42	JB64500-5X								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
43	JB69534-6								
44	[redacted]								
45	[redacted] B1				2.0	Y	0.03	80287	TCLP
46	S1								
47	S2								JB69766-1A
48	JB69941-1								
49	JB69766-1A	Y							
50	JB69807-2								
51	JB69709-2								
52	JB69849-2AB2	Y							
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
53	[redacted]								
54	[redacted] LC				2.0	Y	0.03		
55	JB70032-1	Y							
56	[redacted]								
57	[redacted] LC1				2.0	Y	0.03		
58	JB69884-1	Y							
59	JB69976-6								
60	[redacted]							80286	SW846
61	[redacted] LC1				2.0	Y	0.03		
62									
	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: 6/25/14
DATE: ____

11.7.2 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG / HGCLP
Matrix: Aq / Liq

MA Batch #: MA 34315
Analyst: (SW)
Date: 6/25/14
Balance ID: N/A
Reagents: See attached sheet
Thermometer ID: 420

Methods (Circle as appropriate)

EPA 245.1 | SW846 7470A | EPA 245.1 CLP-M

Type of Digestion:

Hot Block: Start Time: 8:30 Temp: 95 c End time: 10:30 Temp: 95 C

Water Bath Start Time: _____ Temp: _____ End time: _____ Temp: _____

Bot #	Sample ID	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	30 ml	30 ml	0.0 ml				
S-2	0.20 ug/l standard	30 ml	30 ml	2.0 ml	✓	0.0030		
S-3	0.50 ug/l standard	30 ml	30 ml	5.0 ml	✓	0.0030		
S-4	1.00 ug/l standard	30 ml	30 ml	1.0 ml	✓	0.0300		
S-5	2.50 ug/l standard	30 ml	30 ml	2.5 ml	✓	0.0300		
S-6	5.00 ug/l standard	30 ml	30 ml	5.0 ml	✓	0.0300		

Analyst: _____ Date: 6/25/14
QC Reviewer: _____ Date: _____

Form: GN-022A3
Rev. Date: 03/25/13

ACCUTEST.

Reagent Information Log- Hg Waters

MA # MA34315

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 141489
Conc. Nitric Acid	6/16	Baker 7K185
Sodium Chloride-Hydroxylamine Hydrochloride	12/12/14	HG-1492-78-HGHCL
Potassium Permanganate 5%	12/12/14	HG-1492-76-HGKM1
Potassium Persulfate	12/12/14	HG-1492-77-HGKS
Stannous Chloride	6/26/14	HG-1456-107-HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA JO1211
STD Hg standard solu ion 30 ppb	6/26/14	HG-1456-104-HGA3
STD Hg standard solu ion 3 ppb	6/26/14	HG-1456-105-HGA4
ICV Hg standard solution 1000 ppm	2/1/2015	IN ORG VENTURE F2-HG0215
ICV Hg standard soluti on 30 ppb	6/26/14	HG-1456-106-HGB3
Dilution Acid	12/11/14	HG-1456-67-HGD2(AQ)
Digestion Tubes Lot	N/A	EXPIRES HG-- --HGD2(AQ) 13122222
pH Paper	N/A	Hydrion Papers 1 to 12, Lot #

Form: GN087A79-03
Rev. Date: 02/27/13

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ACCUTEST LABORATORIES JB69534

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
MP80187	6/20/2014	10:30	6/20/2014	16:30	JB69451-6F	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	8	405	95	0	95
1	End	8	405	95	0	95
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
MP80187-MB1	N/A	N	50	50	AB		
MP80187-S1	1	Y	50	50	AB	ABC	
MP80187-S2	1	Y	50	50	AB	ABC	
MP80187-SD1	1	Y	50	50	AB		
JB64500-53	3	Y	50	50	AB		
JB64500-54	5	Y	50	50	AB		
JB69451-1F	1	Y	50	50	AB		
JB69451-2F	1	Y	50	50	AB		
JB69451-3F	1	Y	50	50	AB		
JB69451-4F	1	Y	50	50	AB		
JB69451-5F	1	Y	50	50	AB		
JB69451-6F	1	Y	50	50	AB		
JB69485-1	2	Y	50	50	AB		
JB69485-2	2	Y	50	50	AB		
JB69485-3	2	Y	50	50	AB		
JB69534-6	3	Y	50	50	AB		
JB69556-14	1	Y	50	50	AB		
JB69556-8	1	Y	50	50	AB		
JB69565-1	1	Y	50	50	AB		
JB69565-1F	2	Y	50	50	AB		
JB69704-1	3	Y	50	50	AB		
JB69704-2	3	Y	50	50	AB		
MP80187-LC1	N/A	Y	50	50	AB		
MP80187-B1		N	50	50	AB		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C	ODD	1
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C		
D		
E		
F		
G		
H		

Comments:

Analyst GINAM **Approved by** Wendyz **Approved on** 6/20/2014

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 80187
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	~~9/11/14~~ 12-18-14 CM	MP - 013-~~057~~ 601 -SP CM
Spiking Solution - Min. Spike	11/5/14	MP - 013- 649 -MIN1
Spiking Solution - Odd Spike	12/16/14	MP - 013- 600 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	E (Batch NO. 74185 JT Baker
Nitric Acid (1:1)		MP - 0 - -HNO3 (1:1)
Hydrochloric Acid	12/16/14	MP - 013-20 - 198 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	9/1/14	MP - ~~0~~ 151 - 117 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC0104444 Mfg. Fisher Sci.
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. ENVIRON. Exp.
pH Paper	10-15-16	Hydrion Paper 1 to 12, lot # 228713

Form: AA014B-01
Rev. Date: 5/12/08

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ACCUTEST LABORATORIES

Solids/Soil Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP80244	6/24/2014	9:20	6/24/2014	1530	JB69534-1	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp
1	Start	4	394	B41	91	0	91
1	End	4	394	NA	91	0	91
2	Start						
2	End			NA			

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3050B	Digestion Block		M-54	1312222	

Sample ID	Bottle ID	Final Volume (ML)	Wet Weight (G)	Reagent Groups Added	Spike Groups Added	Comments
MP80244-MB1	N/A	50	0.56	ABCD		
MP80244-B1	N/A	50	0.54	ABCD	AB	
MP80244-S1	1	50	0.54	ABCD	AB	
MP80244-S2	1	50	0.53	ABCD	AB	
MP80244-SD1	1	50	0.55	ABCD		
JB69466-1	1	50	0.58	ABCD		
JB69466-2	1	50	0.52	ABCD		
JB69466-3	1	50	0.54	ABCD		
JB69466-4	1	50	0.58	ABCD		
JB69498-1	1	50	0.58	ABCD		
JB69534-1	1	50	0.55	ABCD		
JB69534-10	1	50	0.67	ABCD		
JB69534-2	1	50	0.57	ABCD		
JB69534-3	1	50	0.56	ABCD		
JB69534-4	1	50	0.53	ABCD		
JB69534-5	1	50	0.58	ABCD		
JB69534-8	1	50	0.68	ABCD		
JB69534-9	1	50	0.70	ABCD		
JB69603-1	1	50	0.59	ABCD		
JB69647-2A	2	50	0.59	ABCD		
JB69652-1	1	50	0.57	ABCD		
JB69900-1A	4	50	0.54	ABCD		
JB69911-3A	5	50	0.57	ABCD		
JB69935-10A	1	50	0.50	ABCD		
JB69935-9A	1	50	0.53	ABCD		
MP80244-LC1	N/A	50	0.55	ABCD		

Reagents Groups

Group	Description	MLs Used
A	1:1 HNO3	5
B	CONC HNO3	2.5
C	30% H2O2	3
D	CONC HCL	5
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	1
B	MIN2	1
C		
D		
E		
F		
G		
H		

Comments:

Analyst GINAM **Approved by** Wendyz **Approved on** 6/24/2014

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

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ACCUTEST.

Soil Digestion Reagents Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 80244
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	12-18-14	MP-013-0601 -SP
Spiking Solution - Min. Spike	12-14-14	MP-013-059 -MIN2
Spiking Solution - Odd Spike	4-29-14	MP-013-047 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	# Batch NO: 74185 JT BAKER
Nitric Acid (1:1)	12-20-14	MP-013-20-199 -HNO3 (1:1)
Hydrochloric Acid	6/2016	# Batch NO: 60411 JT BAKER
Hydrogen Peroxide	6/2016	Lot #: 142358 Mfg. Fisher Sci
Lab Control	6/17/15	Lot #: D082-540 Mfg. ERA
Spike Blank		
Filter Lot (sample filtration)	N/A	40107755 ENVIRON. Exp. Cm. Lot #: ~~FC010444~~ Mfg. ~~Fisher Sci~~
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. ENVIRON. Exp.
Teflon Chips	N/A	Batch #: F718-2G022 Saint-Gobain

Form: AA014A-02
Rev. Date: 10/15/12

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New Jersey ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB69534-1 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 363-PE-99

Wet Weight (Total)	32.61	g
Tare Weight	26.57	g
Dry Weight (Total)	32.02	g
Solids, Percent	90.2	%

Sample: JB69534-2 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 364-PE-98

Wet Weight (Total)	35.36	g
Tare Weight	25.46	g
Dry Weight (Total)	34.01	g
Solids, Percent	86.4	%

Sample: JB69534-3 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 365-PE-95

Wet Weight (Total)	34.05	g
Tare Weight	26.81	g
Dry Weight (Total)	33.2	g
Solids, Percent	88.3	%

Sample: JB69534-4 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 366-PE-96

Wet Weight (Total)	31.28	g
Tare Weight	24.08	g
Dry Weight (Total)	30.2	g
Solids, Percent	85	%

Sample: JB69534-5 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 367-PE-97

Wet Weight (Total)	37.42	g
Tare Weight	28.73	g
Dry Weight (Total)	36.04	g
Solids, Percent	84.1	%

Sample: JB69534-8 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 370-PE-108

Wet Weight (Total)	33.81	g
Tare Weight	26.44	g
Dry Weight (Total)	31.82	g
Solids, Percent	73	%

Percent Solids Raw Data Summary

Job Number: JB69534
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB69534-9 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 371-PE-109

Wet Weight (Total)	33.87	g
Tare Weight	25.77	g
Dry Weight (Total)	31.72	g
Solids, Percent	73.5	%

Sample: JB69534-10 **Analyzed:** 19-JUN-14 by AC **Method:** SM2540 G-97
ClientID: 372-PE-110

Wet Weight (Total)	32.95	g
Tare Weight	25.17	g
Dry Weight (Total)	31.17	g
Solids, Percent	77.1	%

New Jersey ACCUTEST LABORATORIES

Misc. Raw Data

Raw Data

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
5/20/2014-4509	JB69534-1.2	36.7900	41.8900	5.1000	6/17/2014 5:44:55 PM	dk010	jp	10ml MeOH	
5/29/2014-5934	JB69534-1.3	34.9700	41.0900	6.1200	6/17/2014 5:45:02 PM	di	jp	DI water	
5/29/2014-5935	JB69534-1.4	34.3700	40.0300	5.6600	6/17/2014 5:45:09 PM	di	jp	DI water	
5/20/2014-4499	JB69534-1.5	36.6500	42.3700	5.7200	6/17/2014 5:45:16 PM	dk010	jp	10ml MeOH	
5/29/2014-5914	JB69534-1.6	34.1000	39.9100	5.8100	6/17/2014 5:45:22 PM	di	jp	DI water	
5/29/2014-5915	JB69534-1.7	34.2600	40.1400	5.8800	6/17/2014 5:45:30 PM	di	jp	DI water	
5/20/2014-4512	JB69534-10.2	36.9300	40.7900	3.8600	6/17/2014 5:47:54 PM	dk010	jp	10ml MeOH	
5/29/2014-5941	JB69534-10.3	34.3700	38.8500	4.4800	6/17/2014 5:48:01 PM	di	jp	DI water	
5/29/2014-5940	JB69534-10.4	34.4100	38.8300	4.4200	6/17/2014 5:48:09 PM	di	jp	DI water	
5/20/2014-4519	JB69534-2.2	36.9100	43.3100	6.4000	6/17/2014 5:45:37 PM	dk010	jp	10ml MeOH	
5/29/2014-5954	JB69534-2.3	34.1700	39.3800	5.2100	6/17/2014 5:45:44 PM	di	jp	DI water	
5/29/2014-5955	JB69534-2.4	33.9600	40.4900	6.5300	6/17/2014 5:45:51 PM	di	jp	DI water	
5/20/2014-4516	JB69534-3.2	36.4400	41.7100	5.2700	6/17/2014 5:45:59 PM	dk010	jp	10ml MeOH	
5/29/2014-5949	JB69534-3.3	34.1900	39.8300	5.6400	6/17/2014 5:46:07 PM	di	jp	DI water	
5/29/2014-5948	JB69534-3.4	34.3300	40.0800	5.7500	6/17/2014 5:46:14 PM	di	jp	DI water	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
5/20/2014-4518	JB69534-4.2	36.5800	41.3800	4.8000	6/17/2014 5:46:21 PM	dk010	jp	10ml MeOH	
5/29/2014-5952	JB69534-4.3	34.7000	40.0200	5.3200	6/17/2014 5:46:28 PM	di	jp	DI water	
5/29/2014-5953	JB69534-4.4	34.7700	39.7700	5.0000	6/17/2014 5:46:35 PM	di	jp	DI water	
5/20/2014-4501	JB69534-5.2	36.4000	42.1400	5.7400	6/17/2014 5:46:43 PM	dk010	jp	10ml MeOH	
5/29/2014-5918	JB69534-5.3	34.1600	40.4700	6.3100	6/17/2014 5:46:51 PM	di	jp	DI water	
5/29/2014-5919	JB69534-5.4	34.2000	40.2700	6.0700	6/17/2014 5:46:58 PM	di	jp	DI water	
5/20/2014-4504	JB69534-8.2	36.7700	41.9000	5.1300	6/17/2014 5:47:05 PM	dk010	jp	10ml MeOH	
5/29/2014-5924	JB69534-8.3	34.3600	39.6200	5.2600	6/17/2014 5:47:12 PM	di	jp	DI water	
5/29/2014-5925	JB69534-8.4	34.9400	40.4900	5.5500	6/17/2014 5:47:20 PM	di	jp	DI water	
5/20/2014-4522	JB69534-9.2	36.7400	43.1100	6.3700	6/17/2014 5:47:28 PM	dk010	jp	10ml MeOH	
5/29/2014-5961	JB69534-9.3	34.0100	40.4000	6.3900	6/17/2014 5:47:35 PM	di	jp	DI water	
5/29/2014-5960	JB69534-9.4	34.7300	40.7300	6.0000	6/17/2014 5:47:43 PM	di	jp	DI water	