New Jersey
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09/18/14



Technical Report for

Langan Engineering & Environmental

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

100287501 365 Bond Street

Accutest Job Number: JB68318

Sampling Dates: 06/02/14 - 06/03/14

Report to:

Langan Engineering & Environmental

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Total number of pages in report: **1411**

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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Sections:

Table of Contents

Section 1: Sample Summary 4
Section 2: Case Narrative/Conformance Summary 5
Section 3: Summary of Hits 7
Section 4: Sample Results 13
4.1: JB68318-1: 319-PE-62 14
4.2: JB68318-2: 320-DUP-4 20
4.3: JB68318-3: 321-PE-61 26
4.4: JB68318-4: 322-PE-40 32
4.5: JB68318-5: 323-PE-63 38
4.6: JB68318-6: 324-FB-9 44
4.7: JB68318-7: 325-TB-8 50
4.8: JB68318-8: 326-PE-59 52
4.9: JB68318-9: 327-PE-41 58
4.10: JB68318-10: 328-PE-44 64
Section 5: Misc. Forms 70
5.1: Chain of Custody 71
5.2: Sample Tracking Chronicle 73
5.3: Internal Chain of Custody 76
Section 6: GC/MS Volatiles - QC Data Summaries 85
6.1: Method Blank Summary 86
6.2: Blank Spike Summary 94
6.3: Matrix Spike Summary 100
6.4: Matrix Spike/Matrix Spike Duplicate Summary 102
6.5: Duplicate Summary 106
6.6: Instrument Performance Checks (BFB) 108
6.7: Internal Standard Area Summaries 113
6.8: Surrogate Recovery Summaries 116
6.9: Initial and Continuing Calibration Summaries 118
Section 7: GC/MS Volatiles - Raw Data 143
7.1: Samples 144
7.2: Method Blanks 185
7.3: Blank Spikes 193
7.4: Matrix Spike/Matrix Spike Duplicates 205
7.5: Duplicates 225
7.6: Instrument Performance Checks (BFB) 229
7.7: Initial and Continuing Calibarations 239
7.8: Instrument Run Logs 352
Section 8: GC/MS Semi-volatiles - QC Data Summaries 360
8.1: Method Blank Summary 361
8.2: Blank Spike Summary 370
8.3: Matrix Spike/Matrix Spike Duplicate Summary 376
8.4: Instrument Performance Checks (DFTPP) 382

Sections: 1 2 3 4 5 6 7 8 9 10 11 12 13

Table of Contents

8.5: Internal Standard Area Summaries 401
8.6: Surrogate Recovery Summaries 406
8.7: Initial and Continuing Calibration Summaries 408
Section 9: GC/MS Semi-volatiles - Raw Data 487
9.1: Samples 488
9.2: Method Blanks 506
9.3: Blank Spikes 512
9.4: Matrix Spike/Matrix Spike Duplicates 520
9.5: Instrument Performance Checks (DFTPP) 544
9.6: Initial and Continuing Calibarations 638
9.7: Instrument Run Logs 1000
9.8: Prep Logs 1023
Section 10: Metals Analysis - QC Data Summaries 1025
10.1: Inst QC MA34180: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 1026
10.2: Inst QC MA34186: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 1046
10.3: Inst QC MA34195: Fe 1072
10.4: Inst QC MA34208: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 1098
10.5: Inst QC MA34250: Hg 1145
10.6: Inst QC MA34252: Hg 1166
10.7: Prep QC MP79902: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 1176
10.8: Prep QC MP79919: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 1186
10.9: Prep QC MP80066: Hg 1190
10.10: Prep QC MP80089: Hg 1194
10.11: IDL and Linear Range Summaries 1198
Section 11: Metals Analysis - Raw Data 1208
11.1: Raw Data MA34180 1209
11.2: Raw Data MA34186 1241
11.3: Raw Data MA34195 1277
11.4: Raw Data MA34208 1317
11.5: Raw Data MA34250 1383
11.6: Raw Data MA34252 1387
11.7: Prep Logs 1390
Section 12: General Chemistry - QC Data Summaries 1406
12.1: Percent Solids Raw Data Summary 1407
Section 13: Misc. Raw Data 1409
13.1: VOA Soil Prep Log 1410

Sample Summary

Langan Engineering & Environmental

Job No: JB68318

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB68318-1	06/02/14	11:00	CBM	06/03/14	SO	Soil	319-PE-62
JB68318-2	06/02/14	00:00	CBM	06/03/14	SO	Soil	320-DUP-4
JB68318-3	06/02/14	11:05	CBM	06/03/14	SO	Soil	321-PE-61
JB68318-4	06/02/14	11:10	CBM	06/03/14	SO	Soil	322-PE-40
JB68318-5	06/02/14	15:05	CBM	06/03/14	SO	Soil	323-PE-63
JB68318-6	06/03/14	07:15	CBM	06/03/14	AQ	Field Blank Soil	324-FB-9
JB68318-7	06/03/14	10:35	CBM	06/03/14	AQ	Trip Blank Soil	325-TB-8
JB68318-8	06/03/14	07:50	CBM	06/03/14	SO	Soil	326-PE-59
JB68318-9	06/03/14	07:55	CBM	06/03/14	SO	Soil	327-PE-41
JB68318-10	06/03/14	10:35	CBM	06/03/14	SO	Soil	328-PE-44

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB68318
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	6/17/2014 6:12:00 PM

On 06/03/2014, 8 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB68318 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:** V2C5484

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68478-1MS, JB68478-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** V3V491

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68318-1MS, JB68318-3DUP were used as the QC samples indicated.
- Blank Spike Recovery(s) for 4-Methyl-2-pentanone(MIBK) are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- RPD(s) for Duplicate for Carbon disulfide, Cyclohexane are outside control limits for sample JB68318-3DUP. High RPD due to possible sample analyzed from different vials.

Matrix: SO **Batch ID:** V3V492

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68650-2MS, JB68650-2MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75387

- All samples were extracted within the recommended method holding time.
- Sample(s) JB68342-6MS, JB68342-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP75376

- All samples were extracted within the recommended method holding time.
- Sample(s) JB68465-45AMS, JB68465-45AMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP75376-MB1 for Nitrobenzene-d5: Outside of in-house control limits, but within reasonable method recovery limits.

Metals By Method SW846 6010C

Matrix: AQ	Batch ID: MP79919

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

Matrix: SO	Batch ID: MP79902

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68594-22AMS, JB68594-22AMSD, JB68594-22ASDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Iron, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Aluminum, Calcium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for MSD for Aluminum, Calcium are outside control limits for sample MP79902-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Cadmium, Silver, Thallium are outside control limits for sample MP79902-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP79902-SD1 for Zinc: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP80089

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68261-1MS, JB68261-1MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix: SO	Batch ID: MP80066

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68291-2MS, JB68291-2MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN6067

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

Matrix: SO	Batch ID: GN6080

- 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: JB68318
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/02/14 thru 06/03/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB68318-1	**319-PE-62**					
Acetone		0.0738	0.028	0.013	mg/kg	SW846 8260C
Carbon disulfide		0.0145	0.014	0.00040	mg/kg	SW846 8260C
Toluene		0.0011 J	0.0028	0.00040	mg/kg	SW846 8260C
Aluminum		15600	120	3.2	mg/kg	SW846 6010C
Arsenic		4.3 B	4.8	0.69	mg/kg	SW846 6010C
Barium		40.2 B	48	0.19	mg/kg	SW846 6010C
Beryllium		0.91	0.48	0.048	mg/kg	SW846 6010C
Cadmium		0.48 B	1.2	0.12	mg/kg	SW846 6010C
Calcium		2300	1200	7.2	mg/kg	SW846 6010C
Chromium		27.8	2.4	0.17	mg/kg	SW846 6010C
Cobalt		8.5 B	12	0.14	mg/kg	SW846 6010C
Copper		10.7	6.0	0.36	mg/kg	SW846 6010C
Iron		24800	120	2.3	mg/kg	SW846 6010C
Lead		12.0	4.8	0.50	mg/kg	SW846 6010C
Magnesium		6500	1200	8.1	mg/kg	SW846 6010C
Manganese		239	3.6	0.14	mg/kg	SW846 6010C
Mercury		0.025 B	0.073	0.016	mg/kg	SW846 7471B
Nickel		39.0	9.6	0.24	mg/kg	SW846 6010C
Potassium		4030	2400	9.5	mg/kg	SW846 6010C
Selenium		0.79 B	4.8	0.79	mg/kg	SW846 6010C
Silver		1.3	1.2	0.33	mg/kg	SW846 6010C
Sodium		3250	2400	4.5	mg/kg	SW846 6010C
Vanadium		47.4	12	0.22	mg/kg	SW846 6010C
Zinc		58.3	4.8	0.91	mg/kg	SW846 6010C
JB68318-2	**320-DUP-4**					
Acetone		0.0583	0.027	0.012	mg/kg	SW846 8260C
Carbon disulfide		0.0163	0.014	0.00038	mg/kg	SW846 8260C
Cyclohexane		0.0011 J	0.014	0.00070	mg/kg	SW846 8260C
Toluene		0.00095 J	0.0027	0.00039	mg/kg	SW846 8260C
Aluminum		12800	110	2.9	mg/kg	SW846 6010C
Arsenic		4.0 B	4.3	0.63	mg/kg	SW846 6010C
Barium		32.0 B	43	0.17	mg/kg	SW846 6010C
Beryllium		0.74	0.43	0.043	mg/kg	SW846 6010C
Cadmium		0.39 B	1.1	0.11	mg/kg	SW846 6010C
Calcium		1890	1100	6.6	mg/kg	SW846 6010C
Chromium		23.8	2.2	0.15	mg/kg	SW846 6010C
Cobalt		7.3 B	11	0.13	mg/kg	SW846 6010C
Copper		10.0	5.4	0.33	mg/kg	SW846 6010C
Iron		21300	110	2.1	mg/kg	SW846 6010C
Lead		10.4	4.3	0.46	mg/kg	SW846 6010C
Magnesium		5410	1100	7.3	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68318
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/02/14 thru 06/03/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese		209	3.3	0.13	mg/kg	SW846 6010C
Mercury		0.024 B	0.069	0.015	mg/kg	SW846 7471B
Nickel		30.2	8.7	0.22	mg/kg	SW846 6010C
Potassium		3170	2200	8.6	mg/kg	SW846 6010C
Silver		0.56 B	1.1	0.30	mg/kg	SW846 6010C
Sodium		2490	2200	4.1	mg/kg	SW846 6010C
Vanadium		39.6	11	0.20	mg/kg	SW846 6010C
Zinc		52.6	4.3	0.82	mg/kg	SW846 6010C
JB68318-3	**321-PE-61**					
Acetone		0.0815	0.034	0.016	mg/kg	SW846 8260C
Carbon disulfide		0.0182	0.017	0.00048	mg/kg	SW846 8260C
Cyclohexane		0.0016 J	0.017	0.00088	mg/kg	SW846 8260C
Toluene		0.0016 J	0.0034	0.00048	mg/kg	SW846 8260C
Aluminum		24600	140	3.6	mg/kg	SW846 6010C
Arsenic		6.9	5.5	0.80	mg/kg	SW846 6010C
Barium		61.8	55	0.22	mg/kg	SW846 6010C
Beryllium		1.3	0.55	0.055	mg/kg	SW846 6010C
Cadmium		0.94 B	1.4	0.14	mg/kg	SW846 6010C
Calcium		3090	1400	8.3	mg/kg	SW846 6010C
Chromium		39.3	2.8	0.19	mg/kg	SW846 6010C
Cobalt		13.5 B	14	0.17	mg/kg	SW846 6010C
Copper		15.0	6.9	0.41	mg/kg	SW846 6010C
Iron		35500	140	2.6	mg/kg	SW846 6010C
Lead		23.2	5.5	0.58	mg/kg	SW846 6010C
Magnesium		8720	1400	9.3	mg/kg	SW846 6010C
Manganese		295	4.1	0.17	mg/kg	SW846 6010C
Mercury		0.028 B	0.089	0.020	mg/kg	SW846 7471B
Nickel		47.3	11	0.28	mg/kg	SW846 6010C
Potassium		6000	2800	11	mg/kg	SW846 6010C
Selenium		0.94 B	5.5	0.91	mg/kg	SW846 6010C
Silver		1.1 B	1.4	0.39	mg/kg	SW846 6010C
Sodium		3880	2800	5.2	mg/kg	SW846 6010C
Vanadium		57.7	14	0.25	mg/kg	SW846 6010C
Zinc		78.9	5.5	1.0	mg/kg	SW846 6010C
JB68318-4	**322-PE-40**					
Acetone		0.0696	0.028	0.013	mg/kg	SW846 8260C
Carbon disulfide		0.0214	0.014	0.00040	mg/kg	SW846 8260C
Cyclohexane		0.0011 J	0.014	0.00073	mg/kg	SW846 8260C
Toluene		0.0013 J	0.0028	0.00040	mg/kg	SW846 8260C
Aluminum		16700	120	3.1	mg/kg	SW846 6010C
Arsenic		3.6 B	4.7	0.69	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68318
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/02/14 thru 06/03/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		43.0 B	47	0.19	mg/kg	SW846 6010C
Beryllium		0.88	0.47	0.047	mg/kg	SW846 6010C
Cadmium		0.52 B	1.2	0.12	mg/kg	SW846 6010C
Calcium		2270	1200	7.2	mg/kg	SW846 6010C
Chromium		28.2	2.4	0.17	mg/kg	SW846 6010C
Cobalt		8.1 B	12	0.14	mg/kg	SW846 6010C
Copper		12.4	5.9	0.36	mg/kg	SW846 6010C
Iron		23900	120	2.3	mg/kg	SW846 6010C
Lead		12.1	4.7	0.50	mg/kg	SW846 6010C
Magnesium		6550	1200	8.0	mg/kg	SW846 6010C
Manganese		261	3.6	0.14	mg/kg	SW846 6010C
Mercury		0.024 B	0.073	0.016	mg/kg	SW846 7471B
Nickel		31.1	9.5	0.24	mg/kg	SW846 6010C
Potassium		4260	2400	9.4	mg/kg	SW846 6010C
Silver		0.95 B	1.2	0.33	mg/kg	SW846 6010C
Sodium		2890	2400	4.5	mg/kg	SW846 6010C
Vanadium		40.3	12	0.21	mg/kg	SW846 6010C
Zinc		59.2	4.7	0.90	mg/kg	SW846 6010C
JB68318-5	**323-PE-63**					
Acetone		0.124	0.031	0.014	mg/kg	SW846 8260C
Carbon disulfide		0.0412	0.015	0.00043	mg/kg	SW846 8260C
Cyclohexane		0.0047 J	0.015	0.00079	mg/kg	SW846 8260C
Toluene		0.0022 J	0.0031	0.00044	mg/kg	SW846 8260C
Aluminum		11500	110	3.0	mg/kg	SW846 6010C
Arsenic		2.6 B	4.5	0.66	mg/kg	SW846 6010C
Barium		28.9 B	45	0.18	mg/kg	SW846 6010C
Beryllium		0.61	0.45	0.045	mg/kg	SW846 6010C
Cadmium		0.34 B	1.1	0.11	mg/kg	SW846 6010C
Calcium		2490	1100	6.9	mg/kg	SW846 6010C
Chromium		20.1	2.3	0.16	mg/kg	SW846 6010C
Cobalt		4.9 B	11	0.14	mg/kg	SW846 6010C
Copper		9.1	5.7	0.34	mg/kg	SW846 6010C
Iron		13200	110	2.2	mg/kg	SW846 6010C
Lead		10.0	4.5	0.48	mg/kg	SW846 6010C
Magnesium		4500	1100	7.7	mg/kg	SW846 6010C
Manganese		158	3.4	0.14	mg/kg	SW846 6010C
Mercury		0.026 B	0.075	0.017	mg/kg	SW846 7471B
Nickel		21.6	9.1	0.23	mg/kg	SW846 6010C
Potassium		2910	2300	9.1	mg/kg	SW846 6010C
Silver		0.52 B	1.1	0.32	mg/kg	SW846 6010C
Sodium		2330	2300	4.3	mg/kg	SW846 6010C
Vanadium		32.8	11	0.20	mg/kg	SW846 6010C
Zinc		38.6	4.5	0.86	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68318
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/02/14 thru 06/03/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB68318-6	**324-FB-9**					
Calcium		75.1 B	5000	19	ug/l	SW846 6010C
Mercury		0.064 B	0.20	0.064	ug/l	SW846 7470A
Sodium		258 B	10000	19	ug/l	SW846 6010C
Zinc		12.2 B	20	7.6	ug/l	SW846 6010C
JB68318-7	**325-TB-8**					
No hits reported in this sample.						
JB68318-8	**326-PE-59**					
Acetone		0.0995	0.058	0.027	mg/kg	SW846 8260C
Carbon disulfide		0.0589	0.029	0.00082	mg/kg	SW846 8260C
Cyclohexane		0.0023 J	0.029	0.0015	mg/kg	SW846 8260C
Ethylbenzene		0.0042 J	0.0058	0.0010	mg/kg	SW846 8260C
Toluene		0.0058	0.0058	0.00083	mg/kg	SW846 8260C
Aluminum		9390	190	4.9	mg/kg	SW846 6010C
Arsenic		7.1 B	7.4	1.1	mg/kg	SW846 6010C
Barium		37.4 B	74	0.30	mg/kg	SW846 6010C
Beryllium		0.45 B	0.74	0.074	mg/kg	SW846 6010C
Cadmium		0.33 B	1.9	0.19	mg/kg	SW846 6010C
Calcium		3950	1900	11	mg/kg	SW846 6010C
Chromium		21.3	3.7	0.26	mg/kg	SW846 6010C
Cobalt		5.1 B	19	0.22	mg/kg	SW846 6010C
Copper		13.8	9.3	0.56	mg/kg	SW846 6010C
Iron		13000	190	3.6	mg/kg	SW846 6010C
Lead		125	7.4	0.78	mg/kg	SW846 6010C
Magnesium		3020	1900	13	mg/kg	SW846 6010C
Manganese		142	5.6	0.22	mg/kg	SW846 6010C
Mercury		0.046	0.045	0.010	mg/kg	SW846 7471B
Nickel		25.9	15	0.37	mg/kg	SW846 6010C
Potassium		2240 B	3700	15	mg/kg	SW846 6010C
Sodium		3010 B	3700	7.0	mg/kg	SW846 6010C
Vanadium		37.8	19	0.33	mg/kg	SW846 6010C
Zinc		31.7	7.4	1.4	mg/kg	SW846 6010C
JB68318-9	**327-PE-41**					
Acetone		0.0892	0.061	0.028	mg/kg	SW846 8260C
Carbon disulfide		0.0122 J	0.030	0.00086	mg/kg	SW846 8260C
Ethylbenzene		0.0036 J	0.0061	0.0011	mg/kg	SW846 8260C
Toluene		0.0040 J	0.0061	0.00086	mg/kg	SW846 8260C

Summary of Hits

Job Number: JB68318
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/02/14 thru 06/03/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Aluminum		9940	190	4.9	mg/kg	SW846 6010C
Arsenic		7.3 B	7.4	1.1	mg/kg	SW846 6010C
Barium		34.3 B	74	0.30	mg/kg	SW846 6010C
Beryllium		0.45 B	0.74	0.074	mg/kg	SW846 6010C
Cadmium		0.22 B	1.9	0.19	mg/kg	SW846 6010C
Calcium		3580	1900	11	mg/kg	SW846 6010C
Chromium		24.0	3.7	0.26	mg/kg	SW846 6010C
Cobalt		2.3 B	19	0.22	mg/kg	SW846 6010C
Copper		12.9	9.3	0.56	mg/kg	SW846 6010C
Iron		7250	190	3.6	mg/kg	SW846 6010C
Lead		291	7.4	0.78	mg/kg	SW846 6010C
Magnesium		3360	1900	13	mg/kg	SW846 6010C
Manganese		126	5.6	0.22	mg/kg	SW846 6010C
Mercury		0.091	0.047	0.011	mg/kg	SW846 7471B
Nickel		21.0	15	0.37	mg/kg	SW846 6010C
Potassium		2750 B	3700	15	mg/kg	SW846 6010C
Sodium		3430 B	3700	7.0	mg/kg	SW846 6010C
Vanadium		46.3	19	0.34	mg/kg	SW846 6010C
Zinc		21.5	7.4	1.4	mg/kg	SW846 6010C
JB68318-10	**328-PE-44**					
Acetone		0.241	0.050	0.023	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0360 J	0.050	0.022	mg/kg	SW846 8260C
Carbon disulfide		0.0054 J	0.025	0.00071	mg/kg	SW846 8260C
Cyclohexane		0.0037 J	0.025	0.0013	mg/kg	SW846 8260C
Methylcyclohexane		0.0025 J	0.025	0.00083	mg/kg	SW846 8260C
Toluene		0.0043 J	0.0050	0.00071	mg/kg	SW846 8260C
Aluminum		8480	180	4.6	mg/kg	SW846 6010C
Arsenic		5.1 B	7.0	1.0	mg/kg	SW846 6010C
Barium		32.0 B	70	0.28	mg/kg	SW846 6010C
Beryllium		0.39 B	0.70	0.070	mg/kg	SW846 6010C
Cadmium		0.21 B	1.8	0.18	mg/kg	SW846 6010C
Calcium		4630	1800	11	mg/kg	SW846 6010C
Chromium		21.2	3.5	0.25	mg/kg	SW846 6010C
Cobalt		2.3 B	18	0.21	mg/kg	SW846 6010C
Copper		18.6	8.8	0.53	mg/kg	SW846 6010C
Iron		5860	180	3.4	mg/kg	SW846 6010C
Lead		36.8	7.0	0.74	mg/kg	SW846 6010C
Magnesium		2730	1800	12	mg/kg	SW846 6010C
Manganese		85.6	5.3	0.21	mg/kg	SW846 6010C
Mercury		0.098	0.045	0.010	mg/kg	SW846 7471B
Nickel		19.3	14	0.35	mg/kg	SW846 6010C
Potassium		2650 B	3500	14	mg/kg	SW846 6010C
Silver		0.49 B	1.8	0.49	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68318
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/02/14 thru 06/03/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		2540 B	3500	6.6	mg/kg	SW846 6010C
Vanadium		28.8	18	0.32	mg/kg	SW846 6010C
Zinc		31.2	7.0	1.3	mg/kg	SW846 6010C

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	319-PE-62		
Lab Sample ID:	JB68318-1	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	43.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11526.D	1	06/07/14	TDN	n/a	n/a	V3V491
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0738	0.028	0.013	mg/kg	
71-43-2	Benzene	ND	0.0028	0.00036	mg/kg	
74-97-5	Bromochloromethane	ND	0.014	0.0015	mg/kg	
75-27-4	Bromodichloromethane	ND	0.014	0.00080	mg/kg	
75-25-2	Bromoform	ND	0.014	0.00074	mg/kg	
74-83-9	Bromomethane	ND	0.014	0.0014	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.028	0.012	mg/kg	
75-15-0	Carbon disulfide	0.0145	0.014	0.00040	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.014	0.00071	mg/kg	
108-90-7	Chlorobenzene	ND	0.014	0.00056	mg/kg	
75-00-3	Chloroethane	ND	0.014	0.0028	mg/kg	
67-66-3	Chloroform	ND	0.014	0.00072	mg/kg	
74-87-3	Chloromethane	ND	0.014	0.00097	mg/kg	
110-82-7	Cyclohexane	ND	0.014	0.00073	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.028	0.0038	mg/kg	
124-48-1	Dibromochloromethane	ND	0.014	0.00068	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0028	0.0016	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.014	0.00096	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.014	0.00062	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.014	0.00071	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.014	0.0010	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.014	0.00089	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0028	0.00091	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.014	0.00081	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.014	0.00059	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.014	0.0012	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.014	0.0012	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.014	0.00064	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.014	0.00076	mg/kg	
100-41-4	Ethylbenzene	ND	0.0028	0.00050	mg/kg	
76-13-1	Freon 113	ND	0.014	0.0012	mg/kg	
591-78-6	2-Hexanone	ND	0.014	0.0050	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:	319-PE-62		
Lab Sample ID:	JB68318-1	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	43.1
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	0.014	0.00042	mg/kg	
79-20-9	Methyl Acetate	ND	0.014	0.0047	mg/kg	
108-87-2	Methylcyclohexane	ND	0.014	0.00046	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0028	0.00097	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.014	0.0037	mg/kg	
75-09-2	Methylene chloride	ND	0.014	0.0048	mg/kg	
100-42-5	Styrene	ND	0.014	0.00066	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.014	0.00097	mg/kg	
127-18-4	Tetrachloroethene	ND	0.014	0.0012	mg/kg	
108-88-3	Toluene	0.0011	0.0028	0.00040	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.014	0.00059	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.014	0.00051	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.014	0.00081	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.014	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.014	0.00099	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.014	0.00064	mg/kg	
75-01-4	Vinyl chloride	ND	0.014	0.00097	mg/kg	
	m,p-Xylene	ND	0.0028	0.0014	mg/kg	
95-47-6	o-Xylene	ND	0.0028	0.00050	mg/kg	
1330-20-7	Xylene (total)	ND	0.0028	0.00050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		59-130%
17060-07-0	1,2-Dichloroethane-D4	97%		65-123%
2037-26-5	Toluene-D8	102%		77-125%
460-00-4	4-Bromofluorobenzene	115%		71-132%

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	319-PE-62		
Lab Sample ID:	JB68318-1	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	43.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64409.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
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	0.15	0.076	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.38	0.076	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.38	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.38	0.13	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.5	0.093	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.5	0.093	mg/kg	
95-48-7	2-Methylphenol	ND	0.15	0.087	mg/kg	
	3&4-Methylphenol	ND	0.15	0.097	mg/kg	
88-75-5	2-Nitrophenol	ND	0.38	0.081	mg/kg	
100-02-7	4-Nitrophenol	ND	0.76	0.13	mg/kg	
87-86-5	Pentachlorophenol	ND	0.76	0.13	mg/kg	
108-95-2	Phenol	ND	0.15	0.080	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.38	0.079	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.38	0.089	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.38	0.072	mg/kg	
83-32-9	Acenaphthene	ND	0.076	0.022	mg/kg	
208-96-8	Acenaphthylene	ND	0.076	0.024	mg/kg	
98-86-2	Acetophenone	ND	0.38	0.013	mg/kg	
120-12-7	Anthracene	ND	0.076	0.027	mg/kg	
1912-24-9	Atrazine	ND	0.15	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.076	0.025	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.076	0.023	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.076	0.025	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.076	0.028	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.076	0.029	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.15	0.028	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.15	0.044	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.15	0.0089	mg/kg	
100-52-7	Benzaldehyde	ND	0.38	0.018	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.15	0.024	mg/kg	
106-47-8	4-Chloroaniline	ND	0.38	0.024	mg/kg	
86-74-8	Carbazole	ND	0.15	0.035	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:	319-PE-62		
Lab Sample ID:	JB68318-1	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	43.1
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	0.15	0.024	mg/kg	
218-01-9	Chrysene	ND	0.076	0.026	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.15	0.031	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.15	0.023	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.15	0.023	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.15	0.023	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.076	0.033	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.076	0.029	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.15	0.019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.076	0.050	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.076	0.026	mg/kg	
132-64-9	Dibenzofuran	ND	0.15	0.023	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.15	0.017	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.15	0.037	mg/kg	
84-66-2	Diethyl phthalate	ND	0.15	0.026	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.15	0.027	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.15	0.067	mg/kg	
206-44-0	Fluoranthene	ND	0.076	0.034	mg/kg	
86-73-7	Fluorene	ND	0.076	0.025	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.15	0.025	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.076	0.021	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.76	0.078	mg/kg	
67-72-1	Hexachloroethane	ND	0.38	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.076	0.026	mg/kg	
78-59-1	Isophorone	ND	0.15	0.021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.15	0.043	mg/kg	
88-74-4	2-Nitroaniline	ND	0.38	0.034	mg/kg	
99-09-2	3-Nitroaniline	ND	0.38	0.031	mg/kg	
100-01-6	4-Nitroaniline	ND	0.38	0.030	mg/kg	
91-20-3	Naphthalene	ND	0.076	0.021	mg/kg	
98-95-3	Nitrobenzene	ND	0.15	0.022	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.15	0.019	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.38	0.046	mg/kg	
85-01-8	Phenanthrene	ND	0.076	0.035	mg/kg	
129-00-0	Pyrene	ND	0.076	0.029	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.38	0.023	mg/kg	

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

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

Report of Analysis

Client Sample ID:	319-PE-62		
Lab Sample ID:	JB68318-1	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	43.1
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	66%		15-110%
118-79-6	2,4,6-Tribromophenol	77%		20-123%
4165-60-0	Nitrobenzene-d5	65%		10-110%
321-60-8	2-Fluorobiphenyl	64%		17-110%
1718-51-0	Terphenyl-d14	74%		30-124%

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

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

Report of Analysis

Client Sample ID: 319-PE-62
Lab Sample ID: JB68318-1
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/02/14
Date Received: 06/03/14
Percent Solids: 43.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15600	120	3.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.65 U	4.8	0.65	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Arsenic	4.3 B	4.8	0.69	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Barium	40.2 B	48	0.19	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.91	0.48	0.048	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.48 B	1.2	0.12	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Calcium	2300	1200	7.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Chromium	27.8	2.4	0.17	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cobalt	8.5 B	12	0.14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Copper	10.7	6.0	0.36	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Iron	24800	120	2.3	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Lead	12.0	4.8	0.50	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6500	1200	8.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Manganese	239	3.6	0.14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.025 B	0.073	0.016	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	39.0	9.6	0.24	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Potassium	4030	2400	9.5	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.79 B	4.8	0.79	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Silver	1.3	1.2	0.33	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Sodium	3250	2400	4.5	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.98 U	2.4	0.98	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Vanadium	47.4	12	0.22	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Zinc	58.3	4.8	0.91	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34252
(3) Prep QC Batch: MP79902
(4) Prep QC Batch: MP80066

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	320-DUP-4		
Lab Sample ID:	JB68318-2	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	44.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11527.D	1	06/07/14	TDN	n/a	n/a	V3V491
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0583	0.027	0.012	mg/kg	
71-43-2	Benzene	ND	0.0027	0.00034	mg/kg	
74-97-5	Bromochloromethane	ND	0.014	0.0014	mg/kg	
75-27-4	Bromodichloromethane	ND	0.014	0.00076	mg/kg	
75-25-2	Bromoform	ND	0.014	0.00071	mg/kg	
74-83-9	Bromomethane	ND	0.014	0.0013	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.027	0.012	mg/kg	
75-15-0	Carbon disulfide	0.0163	0.014	0.00038	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.014	0.00068	mg/kg	
108-90-7	Chlorobenzene	ND	0.014	0.00054	mg/kg	
75-00-3	Chloroethane	ND	0.014	0.0027	mg/kg	
67-66-3	Chloroform	ND	0.014	0.00069	mg/kg	
74-87-3	Chloromethane	ND	0.014	0.00093	mg/kg	
110-82-7	Cyclohexane	0.0011	0.014	0.00070	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.027	0.0036	mg/kg	
124-48-1	Dibromochloromethane	ND	0.014	0.00066	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0027	0.0015	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.014	0.00092	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.014	0.00059	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.014	0.00068	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.014	0.00096	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.014	0.00085	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0027	0.00087	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.014	0.00078	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.014	0.00056	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.014	0.0012	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.014	0.0012	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.014	0.00062	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.014	0.00073	mg/kg	
100-41-4	Ethylbenzene	ND	0.0027	0.00048	mg/kg	
76-13-1	Freon 113	ND	0.014	0.0012	mg/kg	
591-78-6	2-Hexanone	ND	0.014	0.0048	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:	320-DUP-4		
Lab Sample ID:	JB68318-2	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	44.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.014	0.00040	mg/kg	
79-20-9	Methyl Acetate	ND	0.014	0.0045	mg/kg	
108-87-2	Methylcyclohexane	ND	0.014	0.00045	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0027	0.00093	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.014	0.0036	mg/kg	
75-09-2	Methylene chloride	ND	0.014	0.0046	mg/kg	
100-42-5	Styrene	ND	0.014	0.00063	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.014	0.00093	mg/kg	
127-18-4	Tetrachloroethene	ND	0.014	0.0011	mg/kg	
108-88-3	Toluene	0.00095	0.0027	0.00039	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.014	0.00056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.014	0.00049	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.014	0.00078	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.014	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.014	0.00095	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.014	0.00061	mg/kg	
75-01-4	Vinyl chloride	ND	0.014	0.00093	mg/kg	
	m,p-Xylene	ND	0.0027	0.0013	mg/kg	
95-47-6	o-Xylene	ND	0.0027	0.00048	mg/kg	
1330-20-7	Xylene (total)	ND	0.0027	0.00048	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		59-130%
17060-07-0	1,2-Dichloroethane-D4	100%		65-123%
2037-26-5	Toluene-D8	102%		77-125%
460-00-4	4-Bromofluorobenzene	108%		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 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	320-DUP-4		
Lab Sample ID:	JB68318-2	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	44.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64410.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
Run #2							

	Initial Weight	Final Volume
Run #1	32.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.14	0.068	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.34	0.068	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.34	0.11	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.34	0.11	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.4	0.083	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.4	0.083	mg/kg	
95-48-7	2-Methylphenol	ND	0.14	0.078	mg/kg	
	3&4-Methylphenol	ND	0.14	0.086	mg/kg	
88-75-5	2-Nitrophenol	ND	0.34	0.072	mg/kg	
100-02-7	4-Nitrophenol	ND	0.68	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.68	0.12	mg/kg	
108-95-2	Phenol	ND	0.14	0.071	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.34	0.070	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.34	0.079	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.34	0.064	mg/kg	
83-32-9	Acenaphthene	ND	0.068	0.020	mg/kg	
208-96-8	Acenaphthylene	ND	0.068	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.34	0.012	mg/kg	
120-12-7	Anthracene	ND	0.068	0.024	mg/kg	
1912-24-9	Atrazine	ND	0.14	0.013	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.068	0.022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.068	0.021	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.068	0.023	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.068	0.025	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.068	0.026	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.14	0.025	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.14	0.039	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.14	0.0079	mg/kg	
100-52-7	Benzaldehyde	ND	0.34	0.016	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.14	0.021	mg/kg	
106-47-8	4-Chloroaniline	ND	0.34	0.022	mg/kg	
86-74-8	Carbazole	ND	0.14	0.032	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:	320-DUP-4		
Lab Sample ID:	JB68318-2	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	44.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.14	0.021	mg/kg	
218-01-9	Chrysene	ND	0.068	0.023	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.14	0.027	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.14	0.020	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.14	0.020	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.14	0.020	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.068	0.030	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.068	0.026	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.14	0.017	mg/kg	
123-91-1	1,4-Dioxane	ND	0.068	0.044	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.068	0.023	mg/kg	
132-64-9	Dibenzofuran	ND	0.14	0.020	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.14	0.015	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.14	0.033	mg/kg	
84-66-2	Diethyl phthalate	ND	0.14	0.023	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.14	0.024	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.14	0.060	mg/kg	
206-44-0	Fluoranthene	ND	0.068	0.030	mg/kg	
86-73-7	Fluorene	ND	0.068	0.022	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.14	0.022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.068	0.019	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.68	0.069	mg/kg	
67-72-1	Hexachloroethane	ND	0.34	0.019	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.068	0.024	mg/kg	
78-59-1	Isophorone	ND	0.14	0.018	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.14	0.038	mg/kg	
88-74-4	2-Nitroaniline	ND	0.34	0.030	mg/kg	
99-09-2	3-Nitroaniline	ND	0.34	0.027	mg/kg	
100-01-6	4-Nitroaniline	ND	0.34	0.027	mg/kg	
91-20-3	Naphthalene	ND	0.068	0.019	mg/kg	
98-95-3	Nitrobenzene	ND	0.14	0.020	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.14	0.017	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.34	0.041	mg/kg	
85-01-8	Phenanthrene	ND	0.068	0.031	mg/kg	
129-00-0	Pyrene	ND	0.068	0.026	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.34	0.021	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:	320-DUP-4		
Lab Sample ID:	JB68318-2	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	44.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	73%		15-110%
118-79-6	2,4,6-Tribromophenol	80%		20-123%
4165-60-0	Nitrobenzene-d5	71%		10-110%
321-60-8	2-Fluorobiphenyl	71%		17-110%
1718-51-0	Terphenyl-d14	76%		30-124%

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

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

Report of Analysis

Client Sample ID: 320-DUP-4
Lab Sample ID: JB68318-2
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/02/14
Date Received: 06/03/14
Percent Solids: 44.8

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	12800	110	2.9	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.59 U	4.3	0.59	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Arsenic	4.0 B	4.3	0.63	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Barium	32.0 B	43	0.17	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.74	0.43	0.043	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.39 B	1.1	0.11	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Calcium	1890	1100	6.6	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Chromium	23.8	2.2	0.15	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cobalt	7.3 B	11	0.13	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Copper	10.0	5.4	0.33	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Iron	21300	110	2.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Lead	10.4	4.3	0.46	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Magnesium	5410	1100	7.3	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Manganese	209	3.3	0.13	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.024 B	0.069	0.015	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	30.2	8.7	0.22	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Potassium	3170	2200	8.6	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.72 U	4.3	0.72	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Silver	0.56 B	1.1	0.30	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Sodium	2490	2200	4.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.89 U	2.2	0.89	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Vanadium	39.6	11	0.20	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Zinc	52.6	4.3	0.82	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34252
(3) Prep QC Batch: MP79902
(4) Prep QC Batch: MP80066

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	321-PE-61		
Lab Sample ID:	JB68318-3	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	34.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11528.D	1	06/07/14	TDN	n/a	n/a	V3V491
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0815	0.034	0.016	mg/kg	
71-43-2	Benzene	ND	0.0034	0.00043	mg/kg	
74-97-5	Bromochloromethane	ND	0.017	0.0018	mg/kg	
75-27-4	Bromodichloromethane	ND	0.017	0.00096	mg/kg	
75-25-2	Bromoform	ND	0.017	0.00089	mg/kg	
74-83-9	Bromomethane	ND	0.017	0.0016	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.034	0.015	mg/kg	
75-15-0	Carbon disulfide	0.0182	0.017	0.00048	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.017	0.00086	mg/kg	
108-90-7	Chlorobenzene	ND	0.017	0.00067	mg/kg	
75-00-3	Chloroethane	ND	0.017	0.0034	mg/kg	
67-66-3	Chloroform	ND	0.017	0.00087	mg/kg	
74-87-3	Chloromethane	ND	0.017	0.0012	mg/kg	
110-82-7	Cyclohexane	0.0016	0.017	0.00088	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.034	0.0045	mg/kg	
124-48-1	Dibromochloromethane	ND	0.017	0.00083	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0034	0.0019	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.017	0.0012	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.017	0.00074	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.017	0.00086	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.017	0.0012	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.017	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0034	0.0011	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.017	0.00098	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.017	0.00071	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.017	0.0014	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.017	0.0015	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.017	0.00077	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.017	0.00092	mg/kg	
100-41-4	Ethylbenzene	ND	0.0034	0.00060	mg/kg	
76-13-1	Freon 113	ND	0.017	0.0015	mg/kg	
591-78-6	2-Hexanone	ND	0.017	0.0061	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:	321-PE-61		
Lab Sample ID:	JB68318-3	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	34.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.017	0.00050	mg/kg	
79-20-9	Methyl Acetate	ND	0.017	0.0057	mg/kg	
108-87-2	Methylcyclohexane	ND	0.017	0.00056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0034	0.0012	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.017	0.0045	mg/kg	
75-09-2	Methylene chloride	ND	0.017	0.0058	mg/kg	
100-42-5	Styrene	ND	0.017	0.00079	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.017	0.0012	mg/kg	
127-18-4	Tetrachloroethene	ND	0.017	0.0014	mg/kg	
108-88-3	Toluene	0.0016	0.0034	0.00048	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.017	0.00071	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.017	0.00062	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.017	0.00098	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.017	0.0028	mg/kg	
79-01-6	Trichloroethene	ND	0.017	0.0012	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.017	0.00077	mg/kg	
75-01-4	Vinyl chloride	ND	0.017	0.0012	mg/kg	
	m,p-Xylene	ND	0.0034	0.0017	mg/kg	
95-47-6	o-Xylene	ND	0.0034	0.00061	mg/kg	
1330-20-7	Xylene (total)	ND	0.0034	0.00061	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		59-130%
17060-07-0	1,2-Dichloroethane-D4	96%		65-123%
2037-26-5	Toluene-D8	101%		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 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	321-PE-61		
Lab Sample ID:	JB68318-3	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	34.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64411.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
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	0.18	0.088	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.44	0.088	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.44	0.14	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.44	0.15	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.8	0.11	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.8	0.11	mg/kg	
95-48-7	2-Methylphenol	ND	0.18	0.10	mg/kg	
	3&4-Methylphenol	ND	0.18	0.11	mg/kg	
88-75-5	2-Nitrophenol	ND	0.44	0.093	mg/kg	
100-02-7	4-Nitrophenol	ND	0.88	0.15	mg/kg	
87-86-5	Pentachlorophenol	ND	0.88	0.15	mg/kg	
108-95-2	Phenol	ND	0.18	0.092	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.44	0.091	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.44	0.10	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.44	0.083	mg/kg	
83-32-9	Acenaphthene	ND	0.088	0.025	mg/kg	
208-96-8	Acenaphthylene	ND	0.088	0.028	mg/kg	
98-86-2	Acetophenone	ND	0.44	0.015	mg/kg	
120-12-7	Anthracene	ND	0.088	0.031	mg/kg	
1912-24-9	Atrazine	ND	0.18	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.088	0.029	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.088	0.027	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.088	0.029	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.088	0.033	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.088	0.033	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.18	0.032	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.18	0.051	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.18	0.010	mg/kg	
100-52-7	Benzaldehyde	ND	0.44	0.020	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.18	0.027	mg/kg	
106-47-8	4-Chloroaniline	ND	0.44	0.028	mg/kg	
86-74-8	Carbazole	ND	0.18	0.041	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:	321-PE-61		
Lab Sample ID:	JB68318-3	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	34.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.18	0.028	mg/kg	
218-01-9	Chrysene	ND	0.088	0.030	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.18	0.036	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.18	0.026	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.18	0.026	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.18	0.026	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.088	0.038	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.088	0.033	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.18	0.022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.088	0.057	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.088	0.030	mg/kg	
132-64-9	Dibenzofuran	ND	0.18	0.026	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.18	0.020	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.18	0.043	mg/kg	
84-66-2	Diethyl phthalate	ND	0.18	0.030	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.18	0.031	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.18	0.078	mg/kg	
206-44-0	Fluoranthene	ND	0.088	0.039	mg/kg	
86-73-7	Fluorene	ND	0.088	0.029	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.18	0.029	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.088	0.024	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.88	0.090	mg/kg	
67-72-1	Hexachloroethane	ND	0.44	0.024	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.088	0.030	mg/kg	
78-59-1	Isophorone	ND	0.18	0.024	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.18	0.049	mg/kg	
88-74-4	2-Nitroaniline	ND	0.44	0.039	mg/kg	
99-09-2	3-Nitroaniline	ND	0.44	0.035	mg/kg	
100-01-6	4-Nitroaniline	ND	0.44	0.034	mg/kg	
91-20-3	Naphthalene	ND	0.088	0.024	mg/kg	
98-95-3	Nitrobenzene	ND	0.18	0.025	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.18	0.021	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.44	0.052	mg/kg	
85-01-8	Phenanthrene	ND	0.088	0.040	mg/kg	
129-00-0	Pyrene	ND	0.088	0.034	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.44	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		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:	321-PE-61		
Lab Sample ID:	JB68318-3	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	34.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	63%		15-110%
118-79-6	2,4,6-Tribromophenol	74%		20-123%
4165-60-0	Nitrobenzene-d5	62%		10-110%
321-60-8	2-Fluorobiphenyl	63%		17-110%
1718-51-0	Terphenyl-d14	70%		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: 321-PE-61
Lab Sample ID: JB68318-3
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/02/14
Date Received: 06/03/14
Percent Solids: 34.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	24600	140	3.6	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.74 U	5.5	0.74	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Arsenic	6.9	5.5	0.80	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Barium	61.8	55	0.22	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.3	0.55	0.055	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.94 B	1.4	0.14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Calcium	3090	1400	8.3	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Chromium	39.3	2.8	0.19	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cobalt	13.5 B	14	0.17	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Copper	15.0	6.9	0.41	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Iron	35500	140	2.6	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Lead	23.2	5.5	0.58	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Magnesium	8720	1400	9.3	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Manganese	295	4.1	0.17	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.028 B	0.089	0.020	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	47.3	11	0.28	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Potassium	6000	2800	11	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.94 B	5.5	0.91	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Silver	1.1 B	1.4	0.39	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Sodium	3880	2800	5.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Thallium	1.1 U	2.8	1.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Vanadium	57.7	14	0.25	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Zinc	78.9	5.5	1.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34252
(3) Prep QC Batch: MP79902
(4) Prep QC Batch: MP80066

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	322-PE-40		
Lab Sample ID:	JB68318-4	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	41.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11532.D	1	06/07/14	TDN	n/a	n/a	V3V491
Run #2							

	Initial Weight
Run #1	4.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0696	0.028	0.013	mg/kg	
71-43-2	Benzene	ND	0.0028	0.00036	mg/kg	
74-97-5	Bromochloromethane	ND	0.014	0.0015	mg/kg	
75-27-4	Bromodichloromethane	ND	0.014	0.00080	mg/kg	
75-25-2	Bromoform	ND	0.014	0.00074	mg/kg	
74-83-9	Bromomethane	ND	0.014	0.0014	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.028	0.012	mg/kg	
75-15-0	Carbon disulfide	0.0214	0.014	0.00040	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.014	0.00071	mg/kg	
108-90-7	Chlorobenzene	ND	0.014	0.00056	mg/kg	
75-00-3	Chloroethane	ND	0.014	0.0028	mg/kg	
67-66-3	Chloroform	ND	0.014	0.00072	mg/kg	
74-87-3	Chloromethane	ND	0.014	0.00097	mg/kg	
110-82-7	Cyclohexane	0.0011	0.014	0.00073	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.028	0.0038	mg/kg	
124-48-1	Dibromochloromethane	ND	0.014	0.00069	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0028	0.0016	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.014	0.00096	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.014	0.00062	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.014	0.00071	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.014	0.0010	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.014	0.00089	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0028	0.00091	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.014	0.00081	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.014	0.00059	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.014	0.0012	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.014	0.0012	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.014	0.00064	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.014	0.00077	mg/kg	
100-41-4	Ethylbenzene	ND	0.0028	0.00050	mg/kg	
76-13-1	Freon 113	ND	0.014	0.0012	mg/kg	
591-78-6	2-Hexanone	ND	0.014	0.0050	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:	322-PE-40		
Lab Sample ID:	JB68318-4	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	41.0
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	0.014	0.00042	mg/kg	
79-20-9	Methyl Acetate	ND	0.014	0.0047	mg/kg	
108-87-2	Methylcyclohexane	ND	0.014	0.00047	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0028	0.00097	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.014	0.0037	mg/kg	
75-09-2	Methylene chloride	ND	0.014	0.0048	mg/kg	
100-42-5	Styrene	ND	0.014	0.00066	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.014	0.00097	mg/kg	
127-18-4	Tetrachloroethene	ND	0.014	0.0012	mg/kg	
108-88-3	Toluene	0.0013	0.0028	0.00040	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.014	0.00059	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.014	0.00051	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.014	0.00081	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.014	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.014	0.00099	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.014	0.00064	mg/kg	
75-01-4	Vinyl chloride	ND	0.014	0.00097	mg/kg	
	m,p-Xylene	ND	0.0028	0.0014	mg/kg	
95-47-6	o-Xylene	ND	0.0028	0.00050	mg/kg	
1330-20-7	Xylene (total)	ND	0.0028	0.00050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		59-130%
17060-07-0	1,2-Dichloroethane-D4	100%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	109%		71-132%

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	322-PE-40		
Lab Sample ID:	JB68318-4	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	41.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64412.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
Run #2							

	Initial Weight	Final Volume
Run #1	32.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.15	0.076	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.38	0.076	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.38	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.38	0.13	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.5	0.093	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.5	0.093	mg/kg	
95-48-7	2-Methylphenol	ND	0.15	0.087	mg/kg	
	3&4-Methylphenol	ND	0.15	0.096	mg/kg	
88-75-5	2-Nitrophenol	ND	0.38	0.081	mg/kg	
100-02-7	4-Nitrophenol	ND	0.76	0.13	mg/kg	
87-86-5	Pentachlorophenol	ND	0.76	0.13	mg/kg	
108-95-2	Phenol	ND	0.15	0.080	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.38	0.078	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.38	0.088	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.38	0.071	mg/kg	
83-32-9	Acenaphthene	ND	0.076	0.022	mg/kg	
208-96-8	Acenaphthylene	ND	0.076	0.024	mg/kg	
98-86-2	Acetophenone	ND	0.38	0.013	mg/kg	
120-12-7	Anthracene	ND	0.076	0.027	mg/kg	
1912-24-9	Atrazine	ND	0.15	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.076	0.025	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.076	0.023	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.076	0.025	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.076	0.028	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.076	0.029	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.15	0.028	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.15	0.044	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.15	0.0088	mg/kg	
100-52-7	Benzaldehyde	ND	0.38	0.017	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.15	0.024	mg/kg	
106-47-8	4-Chloroaniline	ND	0.38	0.024	mg/kg	
86-74-8	Carbazole	ND	0.15	0.035	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:	322-PE-40		
Lab Sample ID:	JB68318-4	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	41.0
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	0.15	0.024	mg/kg	
218-01-9	Chrysene	ND	0.076	0.026	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.15	0.031	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.15	0.023	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.15	0.023	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.15	0.023	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.076	0.033	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.076	0.029	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.15	0.019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.076	0.049	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.076	0.026	mg/kg	
132-64-9	Dibenzofuran	ND	0.15	0.023	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.15	0.017	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.15	0.037	mg/kg	
84-66-2	Diethyl phthalate	ND	0.15	0.026	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.15	0.027	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.15	0.067	mg/kg	
206-44-0	Fluoranthene	ND	0.076	0.034	mg/kg	
86-73-7	Fluorene	ND	0.076	0.025	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.15	0.025	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.076	0.021	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.76	0.078	mg/kg	
67-72-1	Hexachloroethane	ND	0.38	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.076	0.026	mg/kg	
78-59-1	Isophorone	ND	0.15	0.020	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.15	0.042	mg/kg	
88-74-4	2-Nitroaniline	ND	0.38	0.033	mg/kg	
99-09-2	3-Nitroaniline	ND	0.38	0.030	mg/kg	
100-01-6	4-Nitroaniline	ND	0.38	0.030	mg/kg	
91-20-3	Naphthalene	ND	0.076	0.021	mg/kg	
98-95-3	Nitrobenzene	ND	0.15	0.022	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.15	0.019	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.38	0.045	mg/kg	
85-01-8	Phenanthrene	ND	0.076	0.035	mg/kg	
129-00-0	Pyrene	ND	0.076	0.029	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.38	0.023	mg/kg	

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

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

Report of Analysis

Client Sample ID:	322-PE-40		
Lab Sample ID:	JB68318-4	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	41.0
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	66%		15-110%
118-79-6	2,4,6-Tribromophenol	74%		20-123%
4165-60-0	Nitrobenzene-d5	66%		10-110%
321-60-8	2-Fluorobiphenyl	66%		17-110%
1718-51-0	Terphenyl-d14	71%		30-124%

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

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

Report of Analysis

Client Sample ID: 322-PE-40
Lab Sample ID: JB68318-4
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/02/14
Date Received: 06/03/14
Percent Solids: 41.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	16700	120	3.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.64 U	4.7	0.64	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Arsenic	3.6 B	4.7	0.69	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Barium	43.0 B	47	0.19	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.88	0.47	0.047	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.52 B	1.2	0.12	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Calcium	2270	1200	7.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Chromium	28.2	2.4	0.17	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cobalt	8.1 B	12	0.14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Copper	12.4	5.9	0.36	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Iron	23900	120	2.3	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Lead	12.1	4.7	0.50	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6550	1200	8.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Manganese	261	3.6	0.14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.024 B	0.073	0.016	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	31.1	9.5	0.24	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Potassium	4260	2400	9.4	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.78 U	4.7	0.78	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Silver	0.95 B	1.2	0.33	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Sodium	2890	2400	4.5	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.97 U	2.4	0.97	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Vanadium	40.3	12	0.21	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Zinc	59.2	4.7	0.90	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34252
(3) Prep QC Batch: MP79902
(4) Prep QC Batch: MP80066

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	323-PE-63		
Lab Sample ID:	JB68318-5	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	42.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11533.D	1	06/07/14	TDN	n/a	n/a	V3V491
Run #2							

	Initial Weight
Run #1	3.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.124	0.031	0.014	mg/kg	
71-43-2	Benzene	ND	0.0031	0.00039	mg/kg	
74-97-5	Bromochloromethane	ND	0.015	0.0016	mg/kg	
75-27-4	Bromodichloromethane	ND	0.015	0.00086	mg/kg	
75-25-2	Bromoform	ND	0.015	0.00081	mg/kg	
74-83-9	Bromomethane	ND	0.015	0.0015	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.031	0.014	mg/kg	
75-15-0	Carbon disulfide	0.0412	0.015	0.00043	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.015	0.00077	mg/kg	
108-90-7	Chlorobenzene	ND	0.015	0.00061	mg/kg	
75-00-3	Chloroethane	ND	0.015	0.0031	mg/kg	
67-66-3	Chloroform	ND	0.015	0.00078	mg/kg	
74-87-3	Chloromethane	ND	0.015	0.0011	mg/kg	
110-82-7	Cyclohexane	0.0047	0.015	0.00079	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.031	0.0041	mg/kg	
124-48-1	Dibromochloromethane	ND	0.015	0.00074	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0031	0.0017	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.015	0.0010	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.015	0.00067	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.015	0.00077	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.015	0.0011	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.015	0.00097	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0031	0.00099	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.015	0.00088	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.015	0.00064	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.015	0.0013	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.015	0.0013	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.015	0.00070	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.015	0.00083	mg/kg	
100-41-4	Ethylbenzene	ND	0.0031	0.00054	mg/kg	
76-13-1	Freon 113	ND	0.015	0.0013	mg/kg	
591-78-6	2-Hexanone	ND	0.015	0.0055	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:	323-PE-63		
Lab Sample ID:	JB68318-5	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	42.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.015	0.00045	mg/kg	
79-20-9	Methyl Acetate	ND	0.015	0.0051	mg/kg	
108-87-2	Methylcyclohexane	ND	0.015	0.00050	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0031	0.0011	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.015	0.0041	mg/kg	
75-09-2	Methylene chloride	ND	0.015	0.0052	mg/kg	
100-42-5	Styrene	ND	0.015	0.00071	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.015	0.0011	mg/kg	
127-18-4	Tetrachloroethene	ND	0.015	0.0013	mg/kg	
108-88-3	Toluene	0.0022	0.0031	0.00044	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.015	0.00064	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.015	0.00056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.015	0.00088	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.015	0.0025	mg/kg	
79-01-6	Trichloroethene	ND	0.015	0.0011	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.015	0.00069	mg/kg	
75-01-4	Vinyl chloride	ND	0.015	0.0011	mg/kg	
	m,p-Xylene	ND	0.0031	0.0015	mg/kg	
95-47-6	o-Xylene	ND	0.0031	0.00055	mg/kg	
1330-20-7	Xylene (total)	ND	0.0031	0.00055	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		59-130%
17060-07-0	1,2-Dichloroethane-D4	95%		65-123%
2037-26-5	Toluene-D8	98%		77-125%
460-00-4	4-Bromofluorobenzene	117%		71-132%

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	323-PE-63		
Lab Sample ID:	JB68318-5	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	42.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64413.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
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	0.14	0.072	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.36	0.072	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.36	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.36	0.12	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.4	0.087	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.4	0.087	mg/kg	
95-48-7	2-Methylphenol	ND	0.14	0.082	mg/kg	
	3&4-Methylphenol	ND	0.14	0.091	mg/kg	
88-75-5	2-Nitrophenol	ND	0.36	0.076	mg/kg	
100-02-7	4-Nitrophenol	ND	0.72	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.72	0.12	mg/kg	
108-95-2	Phenol	ND	0.14	0.075	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.36	0.074	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.36	0.083	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.36	0.067	mg/kg	
83-32-9	Acenaphthene	ND	0.072	0.021	mg/kg	
208-96-8	Acenaphthylene	ND	0.072	0.023	mg/kg	
98-86-2	Acetophenone	ND	0.36	0.013	mg/kg	
120-12-7	Anthracene	ND	0.072	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.14	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.072	0.023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.072	0.022	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.072	0.024	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.072	0.027	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.072	0.027	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.14	0.026	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.14	0.041	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.14	0.0083	mg/kg	
100-52-7	Benzaldehyde	ND	0.36	0.016	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.14	0.022	mg/kg	
106-47-8	4-Chloroaniline	ND	0.36	0.023	mg/kg	
86-74-8	Carbazole	ND	0.14	0.033	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:	323-PE-63		
Lab Sample ID:	JB68318-5	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	42.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.14	0.023	mg/kg	
218-01-9	Chrysene	ND	0.072	0.024	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.14	0.029	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.14	0.022	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.14	0.021	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.14	0.022	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.072	0.031	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.072	0.027	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.14	0.018	mg/kg	
123-91-1	1,4-Dioxane	ND	0.072	0.047	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.072	0.024	mg/kg	
132-64-9	Dibenzofuran	ND	0.14	0.021	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.14	0.016	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.14	0.035	mg/kg	
84-66-2	Diethyl phthalate	ND	0.14	0.024	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.14	0.025	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.14	0.063	mg/kg	
206-44-0	Fluoranthene	ND	0.072	0.032	mg/kg	
86-73-7	Fluorene	ND	0.072	0.024	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.14	0.023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.072	0.020	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.72	0.073	mg/kg	
67-72-1	Hexachloroethane	ND	0.36	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.072	0.025	mg/kg	
78-59-1	Isophorone	ND	0.14	0.019	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.14	0.040	mg/kg	
88-74-4	2-Nitroaniline	ND	0.36	0.032	mg/kg	
99-09-2	3-Nitroaniline	ND	0.36	0.029	mg/kg	
100-01-6	4-Nitroaniline	ND	0.36	0.028	mg/kg	
91-20-3	Naphthalene	ND	0.072	0.020	mg/kg	
98-95-3	Nitrobenzene	ND	0.14	0.021	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.14	0.017	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.36	0.043	mg/kg	
85-01-8	Phenanthrene	ND	0.072	0.033	mg/kg	
129-00-0	Pyrene	ND	0.072	0.028	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.36	0.022	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:	323-PE-63		
Lab Sample ID:	JB68318-5	**Date Sampled:**	06/02/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	42.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	76%		15-110%
118-79-6	2,4,6-Tribromophenol	88%		20-123%
4165-60-0	Nitrobenzene-d5	76%		10-110%
321-60-8	2-Fluorobiphenyl	74%		17-110%
1718-51-0	Terphenyl-d14	81%		30-124%

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

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

Report of Analysis

Client Sample ID: 323-PE-63
Lab Sample ID: JB68318-5
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/02/14
Date Received: 06/03/14
Percent Solids: 42.8

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11500	110	3.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.61 U	4.5	0.61	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.6 B	4.5	0.66	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Barium	28.9 B	45	0.18	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.61	0.45	0.045	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.34 B	1.1	0.11	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Calcium	2490	1100	6.9	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Chromium	20.1	2.3	0.16	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cobalt	4.9 B	11	0.14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Copper	9.1	5.7	0.34	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Iron	13200	110	2.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Lead	10.0	4.5	0.48	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Magnesium	4500	1100	7.7	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Manganese	158	3.4	0.14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.026 B	0.075	0.017	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	21.6	9.1	0.23	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Potassium	2910	2300	9.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.75 U	4.5	0.75	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Silver	0.52 B	1.1	0.32	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Sodium	2330	2300	4.3	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.93 U	2.3	0.93	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Vanadium	32.8	11	0.20	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Zinc	38.6	4.5	0.86	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34252
(3) Prep QC Batch: MP79902
(4) Prep QC Batch: MP80066

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	324-FB-9		
Lab Sample ID:	JB68318-6	**Date Sampled:**	06/03/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/03/14
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	2C119288.D	1	06/09/14	TP	n/a	n/a	V2C5484
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:	324-FB-9		
Lab Sample ID:	JB68318-6	**Date Sampled:**	06/03/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/03/14
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	96%		79-120%
17060-07-0	1,2-Dichloroethane-D4	94%		72-123%
2037-26-5	Toluene-D8	109%		78-119%
460-00-4	4-Bromofluorobenzene	103%		74-119%

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	324-FB-9		
Lab Sample ID:	JB68318-6	**Date Sampled:**	06/03/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/03/14
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	3E61828.D	1	06/08/14	AD	06/06/14	OP75387	E3E2652
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	7.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.5	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.4	ug/l	
	3&4-Methylphenol	ND	2.2	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.0	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.61	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.7	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.33	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.22	ug/l	
98-86-2	Acetophenone	ND	2.2	0.40	ug/l	
120-12-7	Anthracene	ND	1.1	0.21	ug/l	
1912-24-9	Atrazine	ND	2.2	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.6	0.75	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.24	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.28	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.25	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.33	ug/l	
86-74-8	Carbazole	ND	1.1	0.19	ug/l	

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

Report of Analysis

Client Sample ID:	324-FB-9		
Lab Sample ID:	JB68318-6	**Date Sampled:**	06/03/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		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:	324-FB-9		
Lab Sample ID:	JB68318-6	**Date Sampled:**	06/03/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/03/14
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	24%		10-110%
118-79-6	2,4,6-Tribromophenol	90%		29-139%
4165-60-0	Nitrobenzene-d5	67%		28-131%
321-60-8	2-Fluorobiphenyl	67%		30-121%
1718-51-0	Terphenyl-d14	84%		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: 324-FB-9
Lab Sample ID: JB68318-6
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/03/14
Date Received: 06/03/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11 U	200	11	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Antimony	2.6 U	6.0	2.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Arsenic	2.6 U	3.0	2.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Barium	1.0 U	200	1.0	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Beryllium	0.40 U	1.0	0.40	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.70 U	3.0	0.70	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Calcium	75.1 B	5000	19	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.89 U	10	0.89	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Cobalt	0.83 U	50	0.83	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Copper	1.2 U	10	1.2	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Iron	12 U	100	12	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Lead	1.3 U	3.0	1.3	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Magnesium	41 U	5000	41	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Manganese	0.48 U	15	0.48	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Mercury	0.064 B	0.20	0.064	ug/l	1	06/16/14	06/16/14	JW	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.75 U	10	0.75	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Potassium	50 U	10000	50	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Selenium	3.6 U	10	3.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Silver	1.2 U	10	1.2	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Sodium	258 B	10000	19	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Thallium	1.8 U	2.0	1.8	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Vanadium	0.87 U	50	0.87	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Zinc	12.2 B	20	7.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA34208
(2) Instrument QC Batch: MA34250
(3) Prep QC Batch: MP79919
(4) Prep QC Batch: MP80089

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	325-TB-8		
Lab Sample ID:	JB68318-7	**Date Sampled:**	06/03/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/03/14
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	2C119289.D	1	06/09/14	TP	n/a	n/a	V2C5484
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:	325-TB-8		
Lab Sample ID:	JB68318-7	**Date Sampled:**	06/03/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/03/14
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	96%		79-120%
17060-07-0	1,2-Dichloroethane-D4	94%		72-123%
2037-26-5	Toluene-D8	109%		78-119%
460-00-4	4-Bromofluorobenzene	104%		74-119%

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

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	326-PE-59		
Lab Sample ID:	JB68318-8	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	27.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11534.D	1	06/07/14	TDN	n/a	n/a	V3V491
Run #2							

	Initial Weight
Run #1	3.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0995	0.058	0.027	mg/kg	
71-43-2	Benzene	ND	0.0058	0.00073	mg/kg	
74-97-5	Bromochloromethane	ND	0.029	0.0030	mg/kg	
75-27-4	Bromodichloromethane	ND	0.029	0.0016	mg/kg	
75-25-2	Bromoform	ND	0.029	0.0015	mg/kg	
74-83-9	Bromomethane	ND	0.029	0.0028	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.058	0.026	mg/kg	
75-15-0	Carbon disulfide	0.0589	0.029	0.00082	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.029	0.0015	mg/kg	
108-90-7	Chlorobenzene	ND	0.029	0.0011	mg/kg	
75-00-3	Chloroethane	ND	0.029	0.0058	mg/kg	
67-66-3	Chloroform	ND	0.029	0.0015	mg/kg	
74-87-3	Chloromethane	ND	0.029	0.0020	mg/kg	
110-82-7	Cyclohexane	0.0023	0.029	0.0015	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.058	0.0077	mg/kg	
124-48-1	Dibromochloromethane	ND	0.029	0.0014	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0058	0.0032	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.029	0.0020	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.029	0.0013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.029	0.0015	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.029	0.0021	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.029	0.0018	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0058	0.0019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.029	0.0017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.029	0.0012	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.029	0.0025	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.029	0.0025	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.029	0.0013	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.029	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0042	0.0058	0.0010	mg/kg	J
76-13-1	Freon 113	ND	0.029	0.0025	mg/kg	
591-78-6	2-Hexanone	ND	0.029	0.010	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:	326-PE-59		
Lab Sample ID:	JB68318-8	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	27.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.029	0.00086	mg/kg	
79-20-9	Methyl Acetate	ND	0.029	0.0097	mg/kg	
108-87-2	Methylcyclohexane	ND	0.029	0.00095	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0058	0.0020	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.029	0.0077	mg/kg	
75-09-2	Methylene chloride	ND	0.029	0.0099	mg/kg	
100-42-5	Styrene	ND	0.029	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.029	0.0020	mg/kg	
127-18-4	Tetrachloroethene	ND	0.029	0.0024	mg/kg	
108-88-3	Toluene	0.0058	0.0058	0.00083	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.029	0.0012	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.029	0.0011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.029	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.029	0.0048	mg/kg	
79-01-6	Trichloroethene	ND	0.029	0.0020	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.029	0.0013	mg/kg	
75-01-4	Vinyl chloride	ND	0.029	0.0020	mg/kg	
	m,p-Xylene	ND	0.0058	0.0028	mg/kg	
95-47-6	o-Xylene	ND	0.0058	0.0010	mg/kg	
1330-20-7	Xylene (total)	ND	0.0058	0.0010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		59-130%
17060-07-0	1,2-Dichloroethane-D4	97%		65-123%
2037-26-5	Toluene-D8	103%		77-125%
460-00-4	4-Bromofluorobenzene	109%		71-132%

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	326-PE-59		
Lab Sample ID:	JB68318-8	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64414.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.24	0.12	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	0.20	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	2.4	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2.4	0.14	mg/kg	
95-48-7	2-Methylphenol	ND	0.24	0.13	mg/kg	
	3&4-Methylphenol	ND	0.24	0.15	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	0.12	mg/kg	
100-02-7	4-Nitrophenol	ND	1.2	0.20	mg/kg	
87-86-5	Pentachlorophenol	ND	1.2	0.20	mg/kg	
108-95-2	Phenol	ND	0.24	0.12	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.59	0.12	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	0.14	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	0.11	mg/kg	
83-32-9	Acenaphthene	ND	0.12	0.034	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	0.038	mg/kg	
98-86-2	Acetophenone	ND	0.59	0.021	mg/kg	
120-12-7	Anthracene	ND	0.12	0.041	mg/kg	
1912-24-9	Atrazine	ND	0.24	0.023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.12	0.038	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.12	0.036	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.12	0.039	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.12	0.044	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.12	0.044	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.24	0.043	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.24	0.068	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.24	0.014	mg/kg	
100-52-7	Benzaldehyde	ND	0.59	0.027	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.24	0.036	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	0.038	mg/kg	
86-74-8	Carbazole	ND	0.24	0.054	mg/kg	

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

Report of Analysis

Client Sample ID:	326-PE-59		
Lab Sample ID:	JB68318-8	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.24	0.037	mg/kg	
218-01-9	Chrysene	ND	0.12	0.040	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.24	0.048	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.24	0.035	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.24	0.035	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.24	0.035	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.12	0.051	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.12	0.045	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.24	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	0.076	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	0.040	mg/kg	
132-64-9	Dibenzofuran	ND	0.24	0.035	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.24	0.026	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.24	0.057	mg/kg	
84-66-2	Diethyl phthalate	ND	0.24	0.040	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.24	0.041	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.24	0.10	mg/kg	
206-44-0	Fluoranthene	ND	0.12	0.052	mg/kg	
86-73-7	Fluorene	ND	0.12	0.039	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.24	0.038	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.12	0.033	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.2	0.12	mg/kg	
67-72-1	Hexachloroethane	ND	0.59	0.033	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.12	0.041	mg/kg	
78-59-1	Isophorone	ND	0.24	0.032	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.24	0.066	mg/kg	
88-74-4	2-Nitroaniline	ND	0.59	0.052	mg/kg	
99-09-2	3-Nitroaniline	ND	0.59	0.047	mg/kg	
100-01-6	4-Nitroaniline	ND	0.59	0.046	mg/kg	
91-20-3	Naphthalene	ND	0.12	0.032	mg/kg	
98-95-3	Nitrobenzene	ND	0.24	0.034	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.24	0.029	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.59	0.070	mg/kg	
85-01-8	Phenanthrene	ND	0.12	0.054	mg/kg	
129-00-0	Pyrene	ND	0.12	0.045	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.59	0.036	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:	326-PE-59		
Lab Sample ID:	JB68318-8	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	73%		15-110%
118-79-6	2,4,6-Tribromophenol	86%		20-123%
4165-60-0	Nitrobenzene-d5	74%		10-110%
321-60-8	2-Fluorobiphenyl	73%		17-110%
1718-51-0	Terphenyl-d14	80%		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: 326-PE-59
Lab Sample ID: JB68318-8
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/03/14
Date Received: 06/03/14
Percent Solids: 27.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9390	190	4.9	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Antimony	1.0 U	7.4	1.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Arsenic	7.1 B	7.4	1.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Barium	37.4 B	74	0.30	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.45 B	0.74	0.074	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.33 B	1.9	0.19	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Calcium	3950	1900	11	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Chromium	21.3	3.7	0.26	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Cobalt	5.1 B	19	0.22	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Copper	13.8	9.3	0.56	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Iron	13000	190	3.6	mg/kg	1	06/06/14	06/09/14	GT	SW846 6010C [2]	SW846 3050B [4]
Lead	125	7.4	0.78	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Magnesium	3020	1900	13	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Manganese	142	5.6	0.22	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.046	0.045	0.010	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [3]	SW846 7471B [5]
Nickel	25.9	15	0.37	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Potassium	2240 B	3700	15	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Selenium	1.2 U	7.4	1.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Silver	0.52 U	1.9	0.52	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Sodium	3010 B	3700	7.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Thallium	1.5 U	3.7	1.5	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Vanadium	37.8	19	0.33	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]
Zinc	31.7	7.4	1.4	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34195
(3) Instrument QC Batch: MA34252
(4) Prep QC Batch: MP79902
(5) Prep QC Batch: MP80066

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	327-PE-41		
Lab Sample ID:	JB68318-9	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	27.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11562.D	1	06/09/14	TDN	n/a	n/a	V3V492
Run #2							

	Initial Weight
Run #1	3.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0892	0.061	0.028	mg/kg	
71-43-2	Benzene	ND	0.0061	0.00077	mg/kg	
74-97-5	Bromochloromethane	ND	0.030	0.0032	mg/kg	
75-27-4	Bromodichloromethane	ND	0.030	0.0017	mg/kg	
75-25-2	Bromoform	ND	0.030	0.0016	mg/kg	
74-83-9	Bromomethane	ND	0.030	0.0029	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.061	0.027	mg/kg	
75-15-0	Carbon disulfide	0.0122	0.030	0.00086	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.030	0.0015	mg/kg	
108-90-7	Chlorobenzene	ND	0.030	0.0012	mg/kg	
75-00-3	Chloroethane	ND	0.030	0.0061	mg/kg	
67-66-3	Chloroform	ND	0.030	0.0015	mg/kg	
74-87-3	Chloromethane	ND	0.030	0.0021	mg/kg	
110-82-7	Cyclohexane	ND	0.030	0.0016	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.061	0.0081	mg/kg	
124-48-1	Dibromochloromethane	ND	0.030	0.0015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0061	0.0033	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.030	0.0021	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.030	0.0013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.030	0.0015	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.030	0.0021	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.030	0.0019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0061	0.0020	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.030	0.0017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.030	0.0013	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.030	0.0026	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.030	0.0027	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.030	0.0014	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.030	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0036	0.0061	0.0011	mg/kg	J
76-13-1	Freon 113	ND	0.030	0.0026	mg/kg	
591-78-6	2-Hexanone	ND	0.030	0.011	mg/kg	

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

Report of Analysis

Client Sample ID:	327-PE-41		
Lab Sample ID:	JB68318-9	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	27.4
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	0.030	0.00089	mg/kg	
79-20-9	Methyl Acetate	ND	0.030	0.010	mg/kg	
108-87-2	Methylcyclohexane	ND	0.030	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0061	0.0021	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.030	0.0080	mg/kg	
75-09-2	Methylene chloride	ND	0.030	0.010	mg/kg	
100-42-5	Styrene	ND	0.030	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.030	0.0021	mg/kg	
127-18-4	Tetrachloroethene	ND	0.030	0.0025	mg/kg	
108-88-3	Toluene	0.0040	0.0061	0.00086	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.030	0.0013	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.030	0.0011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.030	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.030	0.0050	mg/kg	
79-01-6	Trichloroethene	ND	0.030	0.0021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.030	0.0014	mg/kg	
75-01-4	Vinyl chloride	ND	0.030	0.0021	mg/kg	
	m,p-Xylene	ND	0.0061	0.0029	mg/kg	
95-47-6	o-Xylene	ND	0.0061	0.0011	mg/kg	
1330-20-7	Xylene (total)	ND	0.0061	0.0011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		59-130%
17060-07-0	1,2-Dichloroethane-D4	104%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	113%		71-132%

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	327-PE-41		
Lab Sample ID:	JB68318-9	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64415.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.24	0.12	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	0.20	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	2.4	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2.4	0.14	mg/kg	
95-48-7	2-Methylphenol	ND	0.24	0.13	mg/kg	
	3&4-Methylphenol	ND	0.24	0.15	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	0.12	mg/kg	
100-02-7	4-Nitrophenol	ND	1.2	0.20	mg/kg	
87-86-5	Pentachlorophenol	ND	1.2	0.20	mg/kg	
108-95-2	Phenol	ND	0.24	0.12	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.59	0.12	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	0.14	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	0.11	mg/kg	
83-32-9	Acenaphthene	ND	0.12	0.034	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	0.038	mg/kg	
98-86-2	Acetophenone	ND	0.59	0.021	mg/kg	
120-12-7	Anthracene	ND	0.12	0.041	mg/kg	
1912-24-9	Atrazine	ND	0.24	0.023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.12	0.038	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.12	0.036	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.12	0.039	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.12	0.044	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.12	0.044	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.24	0.043	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.24	0.068	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.24	0.014	mg/kg	
100-52-7	Benzaldehyde	ND	0.59	0.027	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.24	0.036	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	0.038	mg/kg	
86-74-8	Carbazole	ND	0.24	0.055	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:	327-PE-41		
Lab Sample ID:	JB68318-9	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.4
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	0.24	0.037	mg/kg	
218-01-9	Chrysene	ND	0.12	0.040	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.24	0.048	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.24	0.035	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.24	0.035	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.24	0.035	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.12	0.051	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.12	0.045	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.24	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	0.077	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	0.040	mg/kg	
132-64-9	Dibenzofuran	ND	0.24	0.035	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.24	0.026	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.24	0.057	mg/kg	
84-66-2	Diethyl phthalate	ND	0.24	0.040	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.24	0.041	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.24	0.10	mg/kg	
206-44-0	Fluoranthene	ND	0.12	0.052	mg/kg	
86-73-7	Fluorene	ND	0.12	0.039	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.24	0.038	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.12	0.033	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.2	0.12	mg/kg	
67-72-1	Hexachloroethane	ND	0.59	0.033	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.12	0.041	mg/kg	
78-59-1	Isophorone	ND	0.24	0.032	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.24	0.066	mg/kg	
88-74-4	2-Nitroaniline	ND	0.59	0.052	mg/kg	
99-09-2	3-Nitroaniline	ND	0.59	0.047	mg/kg	
100-01-6	4-Nitroaniline	ND	0.59	0.046	mg/kg	
91-20-3	Naphthalene	ND	0.12	0.032	mg/kg	
98-95-3	Nitrobenzene	ND	0.24	0.034	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.24	0.029	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.59	0.070	mg/kg	
85-01-8	Phenanthrene	ND	0.12	0.054	mg/kg	
129-00-0	Pyrene	ND	0.12	0.045	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.59	0.036	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:	327-PE-41		
Lab Sample ID:	JB68318-9	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.4
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	74%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		20-123%
4165-60-0	Nitrobenzene-d5	73%		10-110%
321-60-8	2-Fluorobiphenyl	72%		17-110%
1718-51-0	Terphenyl-d14	79%		30-124%

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

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

Report of Analysis

Client Sample ID:	327-PE-41		
Lab Sample ID:	JB68318-9	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
		Percent Solids:	27.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9940	190	4.9	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Antimony	1.0 U	7.4	1.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Arsenic	7.3 B	7.4	1.1	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Barium	34.3 B	74	0.30	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.45 B	0.74	0.074	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.22 B	1.9	0.19	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Calcium	3580	1900	11	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Chromium	24.0	3.7	0.26	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cobalt	2.3 B	19	0.22	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Copper	12.9	9.3	0.56	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Iron	7250	190	3.6	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Lead	291	7.4	0.78	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Magnesium	3360	1900	13	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Manganese	126	5.6	0.22	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.091	0.047	0.011	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	21.0	15	0.37	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Potassium	2750 B	3700	15	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Selenium	1.2 U	7.4	1.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Silver	0.52 U	1.9	0.52	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Sodium	3430 B	3700	7.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Thallium	1.5 U	3.7	1.5	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Vanadium	46.3	19	0.34	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Zinc	21.5	7.4	1.4	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34252
(3) Prep QC Batch: MP79902
(4) Prep QC Batch: MP80066

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	328-PE-44		
Lab Sample ID:	JB68318-10	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	27.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11563.D	1	06/09/14	TDN	n/a	n/a	V3V492
Run #2							

	Initial Weight
Run #1	3.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.241	0.050	0.023	mg/kg	
71-43-2	Benzene	ND	0.0050	0.00063	mg/kg	
74-97-5	Bromochloromethane	ND	0.025	0.0026	mg/kg	
75-27-4	Bromodichloromethane	ND	0.025	0.0014	mg/kg	
75-25-2	Bromoform	ND	0.025	0.0013	mg/kg	
74-83-9	Bromomethane	ND	0.025	0.0024	mg/kg	
78-93-3	2-Butanone (MEK)	0.0360	0.050	0.022	mg/kg	J
75-15-0	Carbon disulfide	0.0054	0.025	0.00071	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.025	0.0013	mg/kg	
108-90-7	Chlorobenzene	ND	0.025	0.00099	mg/kg	
75-00-3	Chloroethane	ND	0.025	0.0050	mg/kg	
67-66-3	Chloroform	ND	0.025	0.0013	mg/kg	
74-87-3	Chloromethane	ND	0.025	0.0017	mg/kg	
110-82-7	Cyclohexane	0.0037	0.025	0.0013	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.050	0.0067	mg/kg	
124-48-1	Dibromochloromethane	ND	0.025	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0050	0.0028	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.025	0.0017	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.025	0.0011	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.025	0.0013	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.025	0.0018	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.025	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0050	0.0016	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.025	0.0014	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.025	0.0010	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.025	0.0021	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.025	0.0022	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.025	0.0011	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.025	0.0014	mg/kg	
100-41-4	Ethylbenzene	ND	0.0050	0.00088	mg/kg	
76-13-1	Freon 113	ND	0.025	0.0022	mg/kg	
591-78-6	2-Hexanone	ND	0.025	0.0090	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:	328-PE-44		
Lab Sample ID:	JB68318-10	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8260C	**Percent Solids:**	27.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.025	0.00074	mg/kg	
79-20-9	Methyl Acetate	ND	0.025	0.0084	mg/kg	
108-87-2	Methylcyclohexane	0.0025	0.025	0.00083	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0050	0.0017	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.025	0.0066	mg/kg	
75-09-2	Methylene chloride	ND	0.025	0.0086	mg/kg	
100-42-5	Styrene	ND	0.025	0.0012	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.025	0.0017	mg/kg	
127-18-4	Tetrachloroethene	ND	0.025	0.0021	mg/kg	
108-88-3	Toluene	0.0043	0.0050	0.00071	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.025	0.0010	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.025	0.00091	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.025	0.0014	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.025	0.0041	mg/kg	
79-01-6	Trichloroethene	ND	0.025	0.0018	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.025	0.0011	mg/kg	
75-01-4	Vinyl chloride	ND	0.025	0.0017	mg/kg	
	m,p-Xylene	ND	0.0050	0.0024	mg/kg	
95-47-6	o-Xylene	ND	0.0050	0.00090	mg/kg	
1330-20-7	Xylene (total)	ND	0.0050	0.00090	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		59-130%
17060-07-0	1,2-Dichloroethane-D4	106%		65-123%
2037-26-5	Toluene-D8	103%		77-125%
460-00-4	4-Bromofluorobenzene	106%		71-132%

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

Accutest LabLink@815166 15:59 18-Sep-2014

Report of Analysis

Client Sample ID:	328-PE-44		
Lab Sample ID:	JB68318-10	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M64416.D	1	06/14/14	ALS	06/06/14	OP75376	E2M2732
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.23	0.12	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.58	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.58	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.58	0.19	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	2.3	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2.3	0.14	mg/kg	
95-48-7	2-Methylphenol	ND	0.23	0.13	mg/kg	
	3&4-Methylphenol	ND	0.23	0.15	mg/kg	
88-75-5	2-Nitrophenol	ND	0.58	0.12	mg/kg	
100-02-7	4-Nitrophenol	ND	1.2	0.20	mg/kg	
87-86-5	Pentachlorophenol	ND	1.2	0.20	mg/kg	
108-95-2	Phenol	ND	0.23	0.12	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.58	0.12	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.58	0.13	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.58	0.11	mg/kg	
83-32-9	Acenaphthene	ND	0.12	0.033	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	0.037	mg/kg	
98-86-2	Acetophenone	ND	0.58	0.020	mg/kg	
120-12-7	Anthracene	ND	0.12	0.040	mg/kg	
1912-24-9	Atrazine	ND	0.23	0.023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.12	0.038	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.12	0.035	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.12	0.039	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.12	0.043	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.12	0.043	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.23	0.042	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.23	0.067	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.23	0.013	mg/kg	
100-52-7	Benzaldehyde	ND	0.58	0.027	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.23	0.036	mg/kg	
106-47-8	4-Chloroaniline	ND	0.58	0.037	mg/kg	
86-74-8	Carbazole	ND	0.23	0.053	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:	328-PE-44		
Lab Sample ID:	JB68318-10	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.23	0.036	mg/kg	
218-01-9	Chrysene	ND	0.12	0.039	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.23	0.047	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.23	0.035	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.23	0.034	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.23	0.035	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.12	0.050	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.12	0.044	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.23	0.029	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	0.075	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	0.039	mg/kg	
132-64-9	Dibenzofuran	ND	0.23	0.034	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.23	0.026	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.23	0.056	mg/kg	
84-66-2	Diethyl phthalate	ND	0.23	0.039	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.23	0.041	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.23	0.10	mg/kg	
206-44-0	Fluoranthene	ND	0.12	0.051	mg/kg	
86-73-7	Fluorene	ND	0.12	0.038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.23	0.038	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.12	0.032	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.2	0.12	mg/kg	
67-72-1	Hexachloroethane	ND	0.58	0.032	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.12	0.040	mg/kg	
78-59-1	Isophorone	ND	0.23	0.031	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.23	0.064	mg/kg	
88-74-4	2-Nitroaniline	ND	0.58	0.051	mg/kg	
99-09-2	3-Nitroaniline	ND	0.58	0.046	mg/kg	
100-01-6	4-Nitroaniline	ND	0.58	0.045	mg/kg	
91-20-3	Naphthalene	ND	0.12	0.032	mg/kg	
98-95-3	Nitrobenzene	ND	0.23	0.033	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.23	0.028	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.58	0.069	mg/kg	
85-01-8	Phenanthrene	ND	0.12	0.053	mg/kg	
129-00-0	Pyrene	ND	0.12	0.044	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.58	0.035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		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:	328-PE-44		
Lab Sample ID:	JB68318-10	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/03/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		15-110%
118-79-6	2,4,6-Tribromophenol	65%		20-123%
4165-60-0	Nitrobenzene-d5	55%		10-110%
321-60-8	2-Fluorobiphenyl	55%		17-110%
1718-51-0	Terphenyl-d14	61%		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: 328-PE-44
Lab Sample ID: JB68318-10
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/03/14
Date Received: 06/03/14
Percent Solids: 27.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8480	180	4.6	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.95 U	7.0	0.95	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Arsenic	5.1 B	7.0	1.0	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Barium	32.0 B	70	0.28	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.39 B	0.70	0.070	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.21 B	1.8	0.18	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Calcium	4630	1800	11	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Chromium	21.2	3.5	0.25	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Cobalt	2.3 B	18	0.21	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Copper	18.6	8.8	0.53	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Iron	5860	180	3.4	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Lead	36.8	7.0	0.74	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Magnesium	2730	1800	12	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Manganese	85.6	5.3	0.21	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.098	0.045	0.010	mg/kg	1	06/16/14	06/16/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	19.3	14	0.35	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Potassium	2650 B	3500	14	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Selenium	1.2 U	7.0	1.2	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Silver	0.49 B	1.8	0.49	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Sodium	2540 B	3500	6.6	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Thallium	1.4 U	3.5	1.4	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Vanadium	28.8	18	0.32	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]
Zinc	31.2	7.0	1.3	mg/kg	1	06/06/14	06/06/14	ND	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34186
(2) Instrument QC Batch: MA34252
(3) Prep QC Batch: MP79902
(4) Prep QC Batch: MP80066

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

SCL
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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 # JB68318

Client / Reporting Information

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

Project Information

Project Name: Bond Street Redevelopment
Street: 305 Bond St
City: Brooklyn State: NY
Project #: 100287502 [illegible] 2
Client Purchase Order #:
Project Manager: MCCloskey

Billing Information (if different from Report to)

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

Requested Analysis (see TEST CODE sheet)

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs	SVOCs	TAL METALS	LAB USE ONLY
1	319-PE-62	—	6/2/14	1100	CBM	S	5					2	2	1		X	X	X	C62
2	320-DUP-4	—	6/2/14	—	CBM	S	5					2	2	1		X	X	X	P23
3	321-PE-61	—	6/2/14	1105	CBM	S	5					2	2	1		X	X	X	14M1
4	322-PE-40	—	6/2/14	1110	CBM	S	5					2	2	1		X	X	X	4904
5	323-PE-63	—	6/2/14	1505	CBM	S	5					2	2	1		X	X	X	
6	324-FB-9	—	6/3/14	0715	CBM	FB	6	3		1		2				X	X	X	E47
7	325-TB-8	—	6/3/14	—	CBM	TB	2	2								X			A13
8	326-PE-59	—	6/3/14	0750	CBM	S	5					2	2	1		X	X	X	V562
9	327-PE-41	—	6/3/14	0755	CBM	S	5					2	2	1		X	X	X	
10	328-PE-44	—	6/3/14	1035	CBM	S	5					2	2	1		X	X	X	

D.I. slurry voc vials frozen storage
Date: 6/3/14 Time: 1016 Initials:

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 Brownfield
- [ ] Other

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

Comments / Special Instructions

electronic copies only
all rep levels reported in ug/kg
and to MDL

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	6/3/2014 1215	Chris Laul	2 Chris Laul	6/3/14 1750	2
3		3	4		4
5		5	Custody Seal # [ ] Intact [ ] Not intact	Preserved where applicable [X]	On Ice [X] Cooler Temp. 4.0°C

2A/10L

IB

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB68318 **Client:** **Project:**

Date / Time Received: 6/3/2014 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (4/3.7); 0

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

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

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

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

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

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

Comments

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

JB68318: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68318

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68318-1	Collected: 02-JUN-14 11:00 By: CBM		Received: 03-JUN-14 By: AS			
319-PE-62						
JB68318-1	SM2540 G-97	06-JUN-14 15:00	NR			%SOL
JB68318-1	SW846 6010C	06-JUN-14 22:17	ND	06-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
JB68318-1	SW846 8260C	07-JUN-14 14:38	TDN			VC8260TCL20
JB68318-1	SW846 8270D	14-JUN-14 05:33	ALS	06-JUN-14	FN	AB8270TCL20
JB68318-1	SW846 7471B	16-JUN-14 16:53	DP	16-JUN-14	DP	HG
JB68318-2	Collected: 02-JUN-14 00:00 By: CBM		Received: 03-JUN-14 By: AS			
320-DUP-4						
JB68318-2	SM2540 G-97	06-JUN-14 15:00	NR			%SOL
JB68318-2	SW846 6010C	06-JUN-14 22:23	ND	06-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
JB68318-2	SW846 8260C	07-JUN-14 15:04	TDN			VC8260TCL20
JB68318-2	SW846 8270D	14-JUN-14 05:59	ALS	06-JUN-14	FN	AB8270TCL20
JB68318-2	SW846 7471B	16-JUN-14 16:54	DP	16-JUN-14	DP	HG
JB68318-3	Collected: 02-JUN-14 11:05 By: CBM		Received: 03-JUN-14 By: AS			
321-PE-61						
JB68318-3	SM2540 G-97	06-JUN-14 13:00	NR			%SOL
JB68318-3	SW846 6010C	06-JUN-14 22:29	ND	06-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
JB68318-3	SW846 8260C	07-JUN-14 15:31	TDN			VC8260TCL20
JB68318-3	SW846 8270D	14-JUN-14 06:25	ALS	06-JUN-14	FN	AB8270TCL20
JB68318-3	SW846 7471B	16-JUN-14 16:56	DP	16-JUN-14	DP	HG
JB68318-4	Collected: 02-JUN-14 11:10 By: CBM		Received: 03-JUN-14 By: AS			
322-PE-40						
JB68318-4	SM2540 G-97	06-JUN-14 13:00	NR			%SOL
JB68318-4	SW846 6010C	06-JUN-14 22:35	ND	06-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: JB68318

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68318-4	SW846 8260C	07-JUN-14 17:18	TDN			VC8260TCL20
JB68318-4	SW846 8270D	14-JUN-14 06:51	ALS	06-JUN-14	FN	AB8270TCL20
JB68318-4	SW846 7471B	16-JUN-14 16:57	DP	16-JUN-14	DP	HG
JB68318-5	Collected: 02-JUN-14 15:05 By: CBM		Received: 03-JUN-14 By: AS			
323-PE-63						
JB68318-5	SM2540 G-97	06-JUN-14 13:00	NR			%SOL
JB68318-5	SW846 6010C	06-JUN-14 22:41	ND	06-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
JB68318-5	SW846 8260C	07-JUN-14 17:44	TDN			VC8260TCL20
JB68318-5	SW846 8270D	14-JUN-14 07:17	ALS	06-JUN-14	FN	AB8270TCL20
JB68318-5	SW846 7471B	16-JUN-14 16:58	DP	16-JUN-14	DP	HG
JB68318-6	Collected: 03-JUN-14 07:15 By: CBM		Received: 03-JUN-14 By: AS			
324-FB-9						
JB68318-6	SW846 8270D	08-JUN-14 18:35	AD	06-JUN-14	RM	AB8270TCL20
JB68318-6	SW846 8260C	09-JUN-14 18:24	TP			VC8260TCL20
JB68318-6	SW846 6010C	11-JUN-14 01:21	RR	09-JUN-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB68318-6	SW846 7470A	16-JUN-14 21:16	JW	16-JUN-14	JW	HG
JB68318-7	Collected: 03-JUN-14 10:35 By: CBM		Received: 03-JUN-14 By: AS			
325-TB-8						
JB68318-7	SW846 8260C	09-JUN-14 18:53	TP			VC8260TCL20
JB68318-8	Collected: 03-JUN-14 07:50 By: CBM		Received: 03-JUN-14 By: AS			
326-PE-59						
JB68318-8	SM2540 G-97	06-JUN-14 13:00	NR			%SOL
JB68318-8	SW846 6010C	06-JUN-14 22:47	ND	06-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,K,MG,MN,NA,NI,PB,SB,SE, TL,V,ZN
JB68318-8	SW846 8260C	07-JUN-14 18:11	TDN			VC8260TCL20
JB68318-8	SW846 6010C	09-JUN-14 13:24	GT	06-JUN-14	GM	FE
JB68318-8	SW846 8270D	14-JUN-14 07:44	ALS	06-JUN-14	FN	AB8270TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68318

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68318-8	SW846 7471B	16-JUN-14 17:03	DP	16-JUN-14	DP	HG
JB68318-9	Collected: 03-JUN-14 07:55 By: CBM		Received: 03-JUN-14 By: AS			
327-PE-41						
JB68318-9	SM2540 G-97	06-JUN-14 13:00	NR			%SOL
JB68318-9	SW846 6010C	06-JUN-14 22:53	ND	06-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
JB68318-9	SW846 8260C	09-JUN-14 17:39	TDN			VC8260TCL20
JB68318-9	SW846 8270D	14-JUN-14 08:10	ALS	06-JUN-14	FN	AB8270TCL20
JB68318-9	SW846 7471B	16-JUN-14 17:04	DP	16-JUN-14	DP	HG
JB68318-10	Collected: 03-JUN-14 10:35 By: CBM		Received: 03-JUN-14 By: AS			
328-PE-44						
JB68318-10	SM2540 G-97	06-JUN-14 13:00	NR			%SOL
JB68318-10	SW846 6010C	06-JUN-14 22:58	ND	06-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
JB68318-10	SW846 8260C	09-JUN-14 18:05	TDN			VC8260TCL20
JB68318-10	SW846 8270D	14-JUN-14 08:36	ALS	06-JUN-14	FN	AB8270TCL20
JB68318-10	SW846 7471B	16-JUN-14 17:27	DP	16-JUN-14	DP	HG

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-1.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-1.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-1.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage
JB68318-1.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-1.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-1.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-1.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage
JB68318-1.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-1.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-1.1
JB68318-1.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-1.1
JB68318-1.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-1.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-1.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-1.1
JB68318-1.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-1.1
JB68318-1.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage
JB68318-1.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-1.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-1.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:56	Retrieve from Storage
JB68318-1.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage
JB68318-1.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-1.2	Secured Storage	Ana Maria Moreta	06/06/14 12:31	Retrieve from Storage
JB68318-1.2	Ana Maria Moreta	Secured Staging Area	06/06/14 12:31	Return to Storage
JB68318-1.2	Secured Staging Area	Nicole Reiff	06/06/14 12:35	Retrieve from Storage
JB68318-1.2	Nicole Reiff		06/06/14 14:21	Depleted
JB68318-1.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-1.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-1.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-1.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-1.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-1.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-1.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-1.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-1.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-1.5	VOA Prep Storage	Thien Nguyen	06/07/14 15:23	Retrieve from Storage
JB68318-1.5	Thien Nguyen	GCMS3V	06/07/14 15:23	Load on Instrument
JB68318-1.5	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-1.5	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-1.5	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-2.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-2.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-2.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage
JB68318-2.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-2.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-2.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-2.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage
JB68318-2.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-2.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-2.1
JB68318-2.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-2.1
JB68318-2.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-2.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-2.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-2.1
JB68318-2.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-2.1
JB68318-2.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage
JB68318-2.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-2.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-2.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:56	Retrieve from Storage
JB68318-2.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage
JB68318-2.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-2.2	Secured Storage	Ana Maria Moreta	06/06/14 12:31	Retrieve from Storage
JB68318-2.2	Ana Maria Moreta	Secured Staging Area	06/06/14 12:31	Return to Storage
JB68318-2.2	Secured Staging Area	Nicole Reiff	06/06/14 12:35	Retrieve from Storage
JB68318-2.2	Nicole Reiff		06/06/14 14:23	Depleted
JB68318-2.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-2.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-2.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-2.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-2.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-2.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-2.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-2.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-2.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-2.5	VOA Prep Storage	Thien Nguyen	06/07/14 15:23	Retrieve from Storage
JB68318-2.5	Thien Nguyen	GCMS3V	06/07/14 15:23	Load on Instrument
JB68318-2.5	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-2.5	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-2.5	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-3.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-3.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-3.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage
JB68318-3.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-3.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-3.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-3.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage
JB68318-3.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-3.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-3.1
JB68318-3.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-3.1
JB68318-3.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-3.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-3.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-3.1
JB68318-3.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-3.1
JB68318-3.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage
JB68318-3.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-3.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-3.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:56	Retrieve from Storage
JB68318-3.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage
JB68318-3.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-3.2	Ana Maria Moreta		06/06/14 12:57	Depleted
JB68318-3.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-3.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-3.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-3.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-3.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-3.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-3.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-3.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-3.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-3.5	VOA Prep Storage	Thien Nguyen	06/09/14 11:36	Retrieve from Storage
JB68318-3.5	Thien Nguyen	GCMS3V	06/09/14 11:36	Load on Instrument
JB68318-3.5	GCMS3V	Thien Nguyen	06/11/14 11:39	Unload from Instrument
JB68318-3.5	Thien Nguyen	Secured Storage	06/11/14 11:40	Return to Storage
JB68318-3.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-4.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-4.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-4.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-4.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-4.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-4.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-4.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage
JB68318-4.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-4.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-4.1
JB68318-4.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-4.1
JB68318-4.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-4.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-4.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-4.1
JB68318-4.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-4.1
JB68318-4.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage
JB68318-4.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-4.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-4.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:56	Retrieve from Storage
JB68318-4.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage
JB68318-4.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-4.2	Secured Storage	Alfredo Crespo	06/06/14 11:41	Retrieve from Storage
JB68318-4.2	Alfredo Crespo	Secured Staging Area	06/06/14 11:41	Return to Storage
JB68318-4.2	Secured Staging Area	Nicole Reiff	06/06/14 12:16	Retrieve from Storage
JB68318-4.2	Nicole Reiff		06/06/14 12:48	Depleted
JB68318-4.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-4.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-4.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-4.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-4.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-4.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-4.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-4.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-4.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-4.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-5.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-5.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-5.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage
JB68318-5.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-5.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-5.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-5.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-5.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-5.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-5.1
JB68318-5.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-5.1
JB68318-5.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-5.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-5.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-5.1
JB68318-5.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-5.1
JB68318-5.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage
JB68318-5.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-5.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-5.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:56	Retrieve from Storage
JB68318-5.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage
JB68318-5.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-5.2	Secured Storage	Alfredo Crespo	06/06/14 11:41	Retrieve from Storage
JB68318-5.2	Alfredo Crespo	Secured Staging Area	06/06/14 11:41	Return to Storage
JB68318-5.2	Secured Staging Area	Nicole Reiff	06/06/14 12:16	Retrieve from Storage
JB68318-5.2	Nicole Reiff		06/06/14 12:51	Depleted
JB68318-5.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-5.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-5.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-5.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-5.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-5.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-5.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-5.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-5.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-5.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-6.2	Secured Storage	Brian Johnson	06/06/14 03:44	Retrieve from Storage
JB68318-6.2	Brian Johnson		06/06/14 15:37	Depleted
JB68318-6.2.1	Brian Johnson	Organics Prep	06/06/14 04:03	Extract from JB68318-6.2
JB68318-6.2.1	Organics Prep	Raghava Marthi	06/06/14 12:36	Extract from JB68318-6.2
JB68318-6.2.1	Raghava Marthi	Extract Storage	06/06/14 12:36	Return to Storage
JB68318-6.2.1	Extract Storage	Ashley Dye	06/08/14 15:34	Retrieve from Storage
JB68318-6.2.1	Ashley Dye	GCMS3E	06/08/14 15:34	Load on Instrument
JB68318-6.2.1	GCMS3E	Olga Azarihn	06/09/14 11:01	Unload from Instrument
JB68318-6.2.1	Olga Azarihn	Extract Freezer	06/09/14 11:01	Return to Storage
JB68318-6.2.1	Extract Freezer		07/17/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-6.3	Secured Storage	Ana Maria Moreta	06/07/14 07:19	Retrieve from Storage
JB68318-6.3	Ana Maria Moreta	Secured Staging Area	06/07/14 07:19	Return to Storage
JB68318-6.3	Secured Staging Area	Masooda Sultani	06/07/14 09:56	Retrieve from Storage
JB68318-6.3	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB68318-6.3	Secured Storage	Gage Donahue	06/09/14 09:18	Retrieve from Storage
JB68318-6.3	Gage Donahue	Secured Storage	06/09/14 09:18	Return to Storage
JB68318-6.3	Secured Storage	Gage Donahue	06/09/14 09:44	Retrieve from Storage
JB68318-6.3	Gage Donahue	Secured Staging Area	06/09/14 09:44	Return to Storage
JB68318-6.3	Secured Staging Area	Amirah Hillman	06/09/14 09:45	Retrieve from Storage
JB68318-6.3	Amirah Hillman	Secured Storage	06/09/14 11:56	Return to Storage
JB68318-6.3	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-6.3.1	Amirah Hillman	Metals Digestion	06/09/14 11:49	Digestate from JB68318-6.3
JB68318-6.3.1	Metals Digestion	Amirah Hillman	06/09/14 11:54	Digestate from JB68318-6.3
JB68318-6.3.1	Amirah Hillman	Metals Digestate Storage	06/09/14 11:55	Return to Storage
JB68318-6.3.1	Metals Digestate Storage	Ryan Rebo	06/10/14 15:10	Retrieve from Storage
JB68318-6.3.1	Ryan Rebo	Metals Digestate Storage	06/10/14 15:12	Return to Storage
JB68318-6.3.1	Metals Digestate Storage	Samreen Bano	06/11/14 10:48	Retrieve from Storage
JB68318-6.3.1	Samreen Bano	Metals Digestate Storage	06/11/14 10:54	Return to Storage
JB68318-6.3.1	Metals Digestate Storage		08/18/14 09:00	Disposed
JB68318-6.5	Secured Storage	Toan Pham	06/09/14 12:47	Retrieve from Storage
JB68318-6.5	Toan Pham	GCMS2C	06/09/14 12:47	Load on Instrument
JB68318-6.5	GCMS2C	Toan Pham	06/10/14 13:37	Unload from Instrument
JB68318-6.5	Toan Pham	Secured Storage	06/10/14 13:37	Return to Storage
JB68318-6.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-7.2	Secured Storage	Toan Pham	06/09/14 12:47	Retrieve from Storage
JB68318-7.2	Toan Pham	GCMS2C	06/09/14 12:47	Load on Instrument
JB68318-7.2	GCMS2C	Toan Pham	06/10/14 13:37	Unload from Instrument
JB68318-7.2	Toan Pham	Secured Storage	06/10/14 13:37	Return to Storage
JB68318-7.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-8.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-8.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-8.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage
JB68318-8.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-8.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-8.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-8.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage
JB68318-8.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-8.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-8.1

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-8.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-8.1
JB68318-8.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-8.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-8.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-8.1
JB68318-8.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-8.1
JB68318-8.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage
JB68318-8.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-8.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-8.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:27	Retrieve from Storage
JB68318-8.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage
JB68318-8.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-8.2	Ana Maria Moreta		06/06/14 12:57	Depleted
JB68318-8.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-8.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-8.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-8.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-8.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-8.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-8.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-8.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-8.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-8.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-9.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-9.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-9.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage
JB68318-9.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-9.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-9.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-9.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage
JB68318-9.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-9.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-9.1
JB68318-9.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-9.1
JB68318-9.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-9.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-9.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-9.1
JB68318-9.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-9.1
JB68318-9.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-9.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-9.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-9.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:56	Retrieve from Storage
JB68318-9.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage
JB68318-9.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-9.2	Secured Storage	Alfredo Crespo	06/06/14 11:41	Retrieve from Storage
JB68318-9.2	Alfredo Crespo	Secured Staging Area	06/06/14 11:41	Return to Storage
JB68318-9.2	Secured Staging Area	Nicole Reiff	06/06/14 12:16	Retrieve from Storage
JB68318-9.2	Nicole Reiff		06/06/14 12:55	Depleted
JB68318-9.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-9.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-9.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-9.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-9.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-9.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-9.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-9.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-9.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-9.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-10.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68318-10.1	Mike Sikorsky	Gina Montenegro	06/06/14 10:15	Custody Transfer
JB68318-10.1	Gina Montenegro	Secured Storage	06/06/14 12:10	Return to Storage
JB68318-10.1	Secured Storage	Bernadette Vassilatos	06/16/14 09:47	Retrieve from Storage
JB68318-10.1	Bernadette Vassilatos	Secured Staging Area	06/16/14 09:47	Return to Storage
JB68318-10.1	Secured Staging Area	Darshananben Patel	06/16/14 09:49	Retrieve from Storage
JB68318-10.1	Darshananben Patel	Secured Storage	06/16/14 14:09	Return to Storage
JB68318-10.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-10.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:47	Extract from JB68318-10.1
JB68318-10.1.1	Organics Prep	Finley Nyaata	06/06/14 16:48	Extract from JB68318-10.1
JB68318-10.1.1	Finley Nyaata	Extract Storage	06/06/14 16:48	Return to Storage
JB68318-10.1.1	Extract Storage		07/17/14 09:00	Disposed
JB68318-10.1.2	Gina Montenegro	Metals Digestion	06/06/14 11:54	Digestate from JB68318-10.1
JB68318-10.1.2	Metals Digestion	Gina Montenegro	06/06/14 13:02	Digestate from JB68318-10.1
JB68318-10.1.2	Gina Montenegro	Metals Digestate Storage	06/06/14 13:02	Return to Storage
JB68318-10.1.2	Metals Digestate Storage	Nancy Duan	06/06/14 15:26	Retrieve from Storage
JB68318-10.1.2	Nancy Duan	Metals Digestate Storage	06/06/14 16:34	Return to Storage
JB68318-10.1.2	Metals Digestate Storage	Thomas Gabriel	06/09/14 11:56	Retrieve from Storage
JB68318-10.1.2	Thomas Gabriel	Metals Digestate Storage	06/09/14 16:57	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/03/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68318-10.1.2	Metals Digestate Storage		08/13/14 09:00	Disposed
JB68318-10.2	Secured Storage	Alfredo Crespo	06/06/14 11:41	Retrieve from Storage
JB68318-10.2	Alfredo Crespo	Secured Staging Area	06/06/14 11:41	Return to Storage
JB68318-10.2	Secured Staging Area	Nicole Reiff	06/06/14 12:16	Retrieve from Storage
JB68318-10.2	Nicole Reiff		06/06/14 12:45	Depleted
JB68318-10.4	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-10.4	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-10.4	VOA Prep Storage	Thien Nguyen	06/07/14 14:14	Retrieve from Storage
JB68318-10.4	Thien Nguyen	GCMS3V	06/07/14 14:14	Load on Instrument
JB68318-10.4	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument
JB68318-10.4	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68318-10.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68318-10.5	Secured Storage	Thien Nguyen	06/06/14 15:04	Retrieve from Storage
JB68318-10.5	Thien Nguyen	VOA Prep Storage	06/06/14 15:04	Return to Storage
JB68318-10.5	Shirley Grzybowski		07/07/14 08:45	Disposed

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JB68318
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
V3V491-MB	3V11523.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

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: JB68318
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
V3V491-MB	3V11523.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	1.7	ug/kg	
100-42-5	Styrene	ND	5.0	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.41	ug/kg	
108-88-3	Toluene	ND	1.0	0.14	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.29	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.82	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.35	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.23	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.34	ug/kg	
	m,p-Xylene	ND	1.0	0.48	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	88%	59-130%
17060-07-0	1,2-Dichloroethane-D4	92%	65-123%
2037-26-5	Toluene-D8	104%	77-125%
460-00-4	4-Bromofluorobenzene	107%	71-132%

Method Blank Summary

Job Number: JB68318
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
V2C5484-MB	2C119274.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68318-6, JB68318-7

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: JB68318
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
V2C5484-MB	2C119274.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68318-6, JB68318-7

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	98%	79-120%
17060-07-0	1,2-Dichloroethane-D4	97%	72-123%
2037-26-5	Toluene-D8	110%	78-119%
460-00-4	4-Bromofluorobenzene	106%	74-119%

Method Blank Summary

Job Number: JB68318
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
V3V492-MB1	3V11553.D	1	06/09/14	TDN	n/a	n/a	V3V492

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

JB68318-9, JB68318-10

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: JB68318
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
V3V492-MB1	3V11553.D	1	06/09/14	TDN	n/a	n/a	V3V492

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

JB68318-9, JB68318-10

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	90%	59-130%
17060-07-0	1,2-Dichloroethane-D4	93%	65-123%
2037-26-5	Toluene-D8	106%	77-125%
460-00-4	4-Bromofluorobenzene	113%	71-132%

Method Blank Summary

Job Number: JB68318
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
V3V491-MB2	3V11548.D	1	06/09/14	TDN	n/a	n/a	V3V491

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

JB68318-3DUP

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: JB68318
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
V3V491-MB2	3V11548.D	1	06/09/14	TDN	n/a	n/a	V3V491

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

JB68318-3DUP

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	90%	59-130%
17060-07-0	1,2-Dichloroethane-D4	96%	65-123%
2037-26-5	Toluene-D8	102%	77-125%
460-00-4	4-Bromofluorobenzene	105%	71-132%

Blank Spike Summary

Job Number: JB68318
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
V3V491-BS	3V11524.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	56.5	113	50-147
71-43-2	Benzene	50	55.8	112	75-122
74-97-5	Bromochloromethane	50	51.0	102	77-127
75-27-4	Bromodichloromethane	50	57.2	114	79-132
75-25-2	Bromoform	50	56.5	113	76-134
74-83-9	Bromomethane	50	53.8	108	56-151
78-93-3	2-Butanone (MEK)	50	56.3	113	68-137
75-15-0	Carbon disulfide	50	58.3	117	70-129
56-23-5	Carbon tetrachloride	50	57.9	116	71-148
108-90-7	Chlorobenzene	50	55.0	110	78-120
75-00-3	Chloroethane	50	57.8	116	64-145
67-66-3	Chloroform	50	50.2	100	75-124
74-87-3	Chloromethane	50	58.3	117	51-139
110-82-7	Cyclohexane	50	59.5	119	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	57.4	115	69-134
124-48-1	Dibromochloromethane	50	54.8	110	79-130
106-93-4	1,2-Dibromoethane	50	57.9	116	80-122
95-50-1	1,2-Dichlorobenzene	50	53.3	107	76-118
541-73-1	1,3-Dichlorobenzene	50	52.5	105	75-120
106-46-7	1,4-Dichlorobenzene	50	52.3	105	73-116
75-71-8	Dichlorodifluoromethane	50	57.9	116	34-161
75-34-3	1,1-Dichloroethane	50	57.5	115	78-128
107-06-2	1,2-Dichloroethane	50	58.5	117	75-139
75-35-4	1,1-Dichloroethene	50	51.4	103	73-128
156-59-2	cis-1,2-Dichloroethene	50	44.6	89	76-123
156-60-5	trans-1,2-Dichloroethene	50	47.9	96	74-123
78-87-5	1,2-Dichloropropane	50	58.2	116	78-125
10061-01-5	cis-1,3-Dichloropropene	50	56.3	113	75-115
10061-02-6	trans-1,3-Dichloropropene	50	55.9	112	80-125
100-41-4	Ethylbenzene	50	55.3	111	75-122
76-13-1	Freon 113	50	52.2	104	60-155
591-78-6	2-Hexanone	50	62.1	124	69-134
98-82-8	Isopropylbenzene	50	59.0	118	73-123
79-20-9	Methyl Acetate	50	53.0	106	59-133
108-87-2	Methylcyclohexane	50	54.5	109	63-142
1634-04-4	Methyl Tert Butyl Ether	100	112	112	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
V3V491-BS	3V11524.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	65.8	132* [a]	72-130
75-09-2	Methylene chloride	50	47.7	95	72-122
100-42-5	Styrene	50	59.0	118	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	57.2	114	70-117
127-18-4	Tetrachloroethene	50	55.2	110	70-136
108-88-3	Toluene	50	51.8	104	75-122
87-61-6	1,2,3-Trichlorobenzene	50	53.1	106	67-135
120-82-1	1,2,4-Trichlorobenzene	50	52.0	104	64-137
71-55-6	1,1,1-Trichloroethane	50	54.6	109	78-136
79-00-5	1,1,2-Trichloroethane	50	56.0	112	75-123
79-01-6	Trichloroethene	50	55.0	110	81-130
75-69-4	Trichlorofluoromethane	50	55.4	111	57-146
75-01-4	Vinyl chloride	50	57.7	115	55-133
	m,p-Xylene	100	107	107	75-122
95-47-6	o-Xylene	50	56.4	113	75-121
1330-20-7	Xylene (total)	150	163	109	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	88%	59-130%
17060-07-0	1,2-Dichloroethane-D4	92%	65-123%
2037-26-5	Toluene-D8	103%	77-125%
460-00-4	4-Bromofluorobenzene	105%	71-132%

(a) High percent recoveries and no associated positive found in the QC batch.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
V2C5484-BS	2C119275.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68318-6, JB68318-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	53.0	106	52-152
71-43-2	Benzene	50	50.2	100	80-121
74-97-5	Bromochloromethane	50	49.0	98	82-125
75-27-4	Bromodichloromethane	50	55.5	111	83-127
75-25-2	Bromoform	50	51.1	102	74-131
74-83-9	Bromomethane	50	42.4	85	45-155
78-93-3	2-Butanone (MEK)	50	52.0	104	67-136
75-15-0	Carbon disulfide	50	51.9	104	69-129
56-23-5	Carbon tetrachloride	50	53.2	106	77-138
108-90-7	Chlorobenzene	50	51.8	104	82-119
75-00-3	Chloroethane	50	53.4	107	61-151
67-66-3	Chloroform	50	47.6	95	79-124
74-87-3	Chloromethane	50	41.4	83	48-148
110-82-7	Cyclohexane	50	46.5	93	72-129
96-12-8	1,2-Dibromo-3-chloropropane	50	53.5	107	66-137
124-48-1	Dibromochloromethane	50	51.6	103	81-127
106-93-4	1,2-Dibromoethane	50	50.6	101	79-122
95-50-1	1,2-Dichlorobenzene	50	51.5	103	81-121
541-73-1	1,3-Dichlorobenzene	50	50.7	101	81-119
106-46-7	1,4-Dichlorobenzene	50	50.7	101	80-116
75-71-8	Dichlorodifluoromethane	50	36.6	73	33-161
75-34-3	1,1-Dichloroethane	50	51.9	104	78-129
107-06-2	1,2-Dichloroethane	50	54.6	109	75-133
75-35-4	1,1-Dichloroethene	50	48.1	96	74-128
156-59-2	cis-1,2-Dichloroethene	50	48.6	97	78-123
156-60-5	trans-1,2-Dichloroethene	50	45.7	91	75-122
78-87-5	1,2-Dichloropropane	50	52.9	106	80-124
10061-01-5	cis-1,3-Dichloropropene	50	53.4	107	75-114
10061-02-6	trans-1,3-Dichloropropene	50	53.1	106	78-123
100-41-4	Ethylbenzene	50	50.6	101	82-120
76-13-1	Freon 113	50	39.1	78	65-150
591-78-6	2-Hexanone	50	51.7	103	65-135
98-82-8	Isopropylbenzene	50	50.8	102	80-124
79-20-9	Methyl Acetate	50	40.5	81	53-137
108-87-2	Methylcyclohexane	50	39.2	78	62-142
1634-04-4	Methyl Tert Butyl Ether	100	95.6	96	74-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
V2C5484-BS	2C119275.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68318-6, JB68318-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	53.4	107	68-135
75-09-2	Methylene chloride	50	48.7	97	75-121
100-42-5	Styrene	50	51.6	103	81-123
79-34-5	1,1,2,2-Tetrachloroethane	50	49.4	99	71-123
127-18-4	Tetrachloroethene	50	49.1	98	69-141
108-88-3	Toluene	50	52.7	105	80-122
87-61-6	1,2,3-Trichlorobenzene	50	55.0	110	71-138
120-82-1	1,2,4-Trichlorobenzene	50	53.6	107	77-132
71-55-6	1,1,1-Trichloroethane	50	49.1	98	80-132
79-00-5	1,1,2-Trichloroethane	50	53.7	107	80-127
79-01-6	Trichloroethene	50	51.7	103	82-126
75-69-4	Trichlorofluoromethane	50	42.2	84	63-141
75-01-4	Vinyl chloride	50	42.7	85	53-135
	m,p-Xylene	100	100	100	81-121
95-47-6	o-Xylene	50	51.9	104	82-121
1330-20-7	Xylene (total)	150	152	101	82-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	79-120%
17060-07-0	1,2-Dichloroethane-D4	95%	72-123%
2037-26-5	Toluene-D8	109%	78-119%
460-00-4	4-Bromofluorobenzene	101%	74-119%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
V3V492-BS	3V11554.D	1	06/09/14	TDN	n/a	n/a	V3V492

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

JB68318-9, JB68318-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	44.1	88	50-147
71-43-2	Benzene	50	56.3	113	75-122
74-97-5	Bromochloromethane	50	50.9	102	77-127
75-27-4	Bromodichloromethane	50	57.8	116	79-132
75-25-2	Bromoform	50	53.1	106	76-134
74-83-9	Bromomethane	50	50.1	100	56-151
78-93-3	2-Butanone (MEK)	50	48.1	96	68-137
75-15-0	Carbon disulfide	50	58.1	116	70-129
56-23-5	Carbon tetrachloride	50	59.2	118	71-148
108-90-7	Chlorobenzene	50	54.5	109	78-120
75-00-3	Chloroethane	50	62.7	125	64-145
67-66-3	Chloroform	50	51.5	103	75-124
74-87-3	Chloromethane	50	52.7	105	51-139
110-82-7	Cyclohexane	50	57.7	115	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	50.7	101	69-134
124-48-1	Dibromochloromethane	50	54.0	108	79-130
106-93-4	1,2-Dibromoethane	50	51.6	103	80-122
95-50-1	1,2-Dichlorobenzene	50	53.5	107	76-118
541-73-1	1,3-Dichlorobenzene	50	51.5	103	75-120
106-46-7	1,4-Dichlorobenzene	50	52.2	104	73-116
75-71-8	Dichlorodifluoromethane	50	48.9	98	34-161
75-34-3	1,1-Dichloroethane	50	57.7	115	78-128
107-06-2	1,2-Dichloroethane	50	59.2	118	75-139
75-35-4	1,1-Dichloroethene	50	51.1	102	73-128
156-59-2	cis-1,2-Dichloroethene	50	44.4	89	76-123
156-60-5	trans-1,2-Dichloroethene	50	47.3	95	74-123
78-87-5	1,2-Dichloropropane	50	59.3	119	78-125
10061-01-5	cis-1,3-Dichloropropene	50	55.0	110	75-115
10061-02-6	trans-1,3-Dichloropropene	50	53.5	107	80-125
100-41-4	Ethylbenzene	50	54.7	109	75-122
76-13-1	Freon 113	50	50.1	100	60-155
591-78-6	2-Hexanone	50	52.1	104	69-134
98-82-8	Isopropylbenzene	50	59.7	119	73-123
79-20-9	Methyl Acetate	50	44.1	88	59-133
108-87-2	Methylcyclohexane	50	51.7	103	63-142
1634-04-4	Methyl Tert Butyl Ether	100	105	105	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
V3V492-BS	3V11554.D	1	06/09/14	TDN	n/a	n/a	V3V492

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

JB68318-9, JB68318-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	54.7	109	72-130
75-09-2	Methylene chloride	50	47.9	96	72-122
100-42-5	Styrene	50	56.3	113	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	54.2	108	70-117
127-18-4	Tetrachloroethene	50	53.5	107	70-136
108-88-3	Toluene	50	51.4	103	75-122
87-61-6	1,2,3-Trichlorobenzene	50	52.4	105	67-135
120-82-1	1,2,4-Trichlorobenzene	50	53.0	106	64-137
71-55-6	1,1,1-Trichloroethane	50	55.5	111	78-136
79-00-5	1,1,2-Trichloroethane	50	54.2	108	75-123
79-01-6	Trichloroethene	50	55.3	111	81-130
75-69-4	Trichlorofluoromethane	50	52.7	105	57-146
75-01-4	Vinyl chloride	50	53.2	106	55-133
	m,p-Xylene	100	106	106	75-122
95-47-6	o-Xylene	50	53.7	107	75-121
1330-20-7	Xylene (total)	150	160	107	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	59-130%
17060-07-0	1,2-Dichloroethane-D4	94%	65-123%
2037-26-5	Toluene-D8	102%	77-125%
460-00-4	4-Bromofluorobenzene	107%	71-132%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB68318
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
JB68318-1MS	3V11529.D	1	06/07/14	TDN	n/a	n/a	V3V491
JB68318-1	3V11526.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

CAS No.	Compound	JB68318-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	73.8		132	153	60	10-181
71-43-2	Benzene	ND		132	107	81	45-131
74-97-5	Bromochloromethane	ND		132	105	80	50-131
75-27-4	Bromodichloromethane	ND		132	117	89	44-138
75-25-2	Bromoform	ND		132	106	80	34-140
74-83-9	Bromomethane	ND		132	103	78	18-152
78-93-3	2-Butanone (MEK)	ND		132	103	78	25-156
75-15-0	Carbon disulfide	14.5		132	88.9	56	28-139
56-23-5	Carbon tetrachloride	ND		132	81.3	62	33-153
108-90-7	Chlorobenzene	ND		132	107	81	34-138
75-00-3	Chloroethane	ND		132	105	80	26-142
67-66-3	Chloroform	ND		132	102	77	51-129
74-87-3	Chloromethane	ND		132	106	80	34-134
110-82-7	Cyclohexane	ND		132	43.6	33	13-150
96-12-8	1,2-Dibromo-3-chloropropane	ND		132	91.1	69	22-145
124-48-1	Dibromochloromethane	ND		132	111	84	41-137
106-93-4	1,2-Dibromoethane	ND		132	111	84	41-133
95-50-1	1,2-Dichlorobenzene	ND		132	96.5	73	22-140
541-73-1	1,3-Dichlorobenzene	ND		132	96.5	73	21-141
106-46-7	1,4-Dichlorobenzene	ND		132	97.1	74	20-140
75-71-8	Dichlorodifluoromethane	ND		132	33.4	25	10-156
75-34-3	1,1-Dichloroethane	ND		132	111	84	50-130
107-06-2	1,2-Dichloroethane	ND		132	123	93	49-136
75-35-4	1,1-Dichloroethene	ND		132	72.7	55	32-143
156-59-2	cis-1,2-Dichloroethene	ND		132	90.0	68	46-129
156-60-5	trans-1,2-Dichloroethene	ND		132	86.2	65	41-131
78-87-5	1,2-Dichloropropane	ND		132	119	90	46-131
10061-01-5	cis-1,3-Dichloropropene	ND		132	107	81	40-134
10061-02-6	trans-1,3-Dichloropropene	ND		132	108	82	37-137
100-41-4	Ethylbenzene	ND		132	101	77	30-139
76-13-1	Freon 113	ND		132	37.4	28	16-157
591-78-6	2-Hexanone	ND		132	94.8	72	19-155
98-82-8	Isopropylbenzene	ND		132	101	77	26-141
79-20-9	Methyl Acetate	ND		132	125	95	17-179
108-87-2	Methylcyclohexane	ND		132	35.9	27	10-150
1634-04-4	Methyl Tert Butyl Ether	ND		132	120	91	45-130

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB68318
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
JB68318-1MS	3V11529.D	1	06/07/14	TDN	n/a	n/a	V3V491
JB68318-1	3V11526.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

CAS No.	Compound	JB68318-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		132	111	84	31-140
75-09-2	Methylene chloride	ND		132	99.6	76	44-127
100-42-5	Styrene	ND		132	110	83	30-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		132	116	88	30-131
127-18-4	Tetrachloroethene	ND		132	83.4	63	15-183
108-88-3	Toluene	1.1	J	132	96.7	73	38-135
87-61-6	1,2,3-Trichlorobenzene	ND		132	81.5	62	10-159
120-82-1	1,2,4-Trichlorobenzene	ND		132	82.3	62	10-161
71-55-6	1,1,1-Trichloroethane	ND		132	90.0	68	43-142
79-00-5	1,1,2-Trichloroethane	ND		132	113	86	37-135
79-01-6	Trichloroethene	ND		132	97.1	74	29-161
75-69-4	Trichlorofluoromethane	ND		132	51.8	39	14-160
75-01-4	Vinyl chloride	ND		132	84.7	64	31-140
	m,p-Xylene	ND		264	196	74	29-140
95-47-6	o-Xylene	ND		132	109	83	31-140
1330-20-7	Xylene (total)	ND		395	305	77	30-140

CAS No.	Surrogate Recoveries	MS	JB68318-1	Limits
1868-53-7	Dibromofluoromethane	90%	92%	59-130%
17060-07-0	1,2-Dichloroethane-D4	89%	97%	65-123%
2037-26-5	Toluene-D8	102%	102%	77-125%
460-00-4	4-Bromofluorobenzene	108%	115%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
JB68650-2MS	3V11559.D	1	06/09/14	TDN	n/a	n/a	V3V492
JB68650-2MSD	3V11560.D	1	06/09/14	TDN	n/a	n/a	V3V492
JB68650-2	3V11556.D	1	06/09/14	TDN	n/a	n/a	V3V492

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

JB68318-9, JB68318-10

CAS No.	Compound	JB68650-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		48.9	45.6	93	48.9	48.6	99	6	10-181/30
71-43-2	Benzene	0.24		48.9	49.2	100	48.9	50.9	104	3	45-131/22
74-97-5	Bromochloromethane	ND		48.9	42.8	88	48.9	43.8	90	2	50-131/21
75-27-4	Bromodichloromethane	ND		48.9	50.0	102	48.9	47.5	97	5	44-138/22
75-25-2	Bromoform	ND		48.9	44.0	90	48.9	46.8	96	6	34-140/24
74-83-9	Bromomethane	ND		48.9	48.7	100	48.9	49.2	101	1	18-152/31
78-93-3	2-Butanone (MEK)	ND		48.9	40.7	83	48.9	42.9	88	5	25-156/27
75-15-0	Carbon disulfide	ND		48.9	50.0	102	48.9	50.5	103	1	28-139/25
56-23-5	Carbon tetrachloride	ND		48.9	52.3	107	48.9	52.2	107	0	33-153/25
108-90-7	Chlorobenzene	ND		48.9	48.4	99	48.9	49.4	101	2	34-138/24
75-00-3	Chloroethane	ND		48.9	52.6	108	48.9	49.4	101	6	26-142/27
67-66-3	Chloroform	ND		48.9	45.8	94	48.9	46.0	94	0	51-129/21
74-87-3	Chloromethane	ND		48.9	51.7	106	48.9	52.1	107	1	34-134/24
110-82-7	Cyclohexane	ND		48.9	48.6	99	48.9	50.4	103	4	13-150/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		48.9	42.5	87	48.9	42.3	87	0	22-145/29
124-48-1	Dibromochloromethane	ND		48.9	47.2	97	48.9	49.1	100	4	41-137/22
106-93-4	1,2-Dibromoethane	ND		48.9	43.0	88	48.9	46.8	96	8	41-133/22
95-50-1	1,2-Dichlorobenzene	ND		48.9	47.4	97	48.9	48.3	99	2	22-140/27
541-73-1	1,3-Dichlorobenzene	ND		48.9	47.3	97	48.9	48.7	100	3	21-141/27
106-46-7	1,4-Dichlorobenzene	ND		48.9	46.7	96	48.9	47.9	98	3	20-140/27
75-71-8	Dichlorodifluoromethane	ND		48.9	47.2	97	48.9	50.3	103	6	10-156/30
75-34-3	1,1-Dichloroethane	ND		48.9	51.0	104	48.9	51.6	106	1	50-130/22
107-06-2	1,2-Dichloroethane	ND		48.9	50.2	103	48.9	51.8	106	3	49-136/21
75-35-4	1,1-Dichloroethene	ND		48.9	44.6	91	48.9	45.2	93	1	32-143/23
156-59-2	cis-1,2-Dichloroethene	ND		48.9	40.9	84	48.9	41.0	84	0	46-129/22
156-60-5	trans-1,2-Dichloroethene	ND		48.9	43.6	89	48.9	44.0	90	1	41-131/22
78-87-5	1,2-Dichloropropane	ND		48.9	50.3	103	48.9	46.7	96	7	46-131/21
10061-01-5	cis-1,3-Dichloropropene	ND		48.9	49.1	100	48.9	46.2	95	6	40-134/23
10061-02-6	trans-1,3-Dichloropropene	ND		48.9	47.1	96	48.9	45.9	94	3	37-137/23
100-41-4	Ethylbenzene	ND		48.9	48.0	98	48.9	50.2	103	4	30-139/26
76-13-1	Freon 113	ND		48.9	40.9	84	48.9	41.5	85	1	16-157/27
591-78-6	2-Hexanone	ND		48.9	43.6	89	48.9	41.4	85	5	19-155/29
98-82-8	Isopropylbenzene	ND		48.9	55.9	114	48.9	53.8	110	4	26-141/26
79-20-9	Methyl Acetate	ND		48.9	36.1	74	48.9	39.6	81	9	17-179/29
108-87-2	Methylcyclohexane	ND		48.9	44.6	91	48.9	41.9	86	6	10-150/30
1634-04-4	Methyl Tert Butyl Ether	ND		48.9	46.1	94	48.9	47.5	97	3	45-130/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
JB68650-2MS	3V11559.D	1	06/09/14	TDN	n/a	n/a	V3V492
JB68650-2MSD	3V11560.D	1	06/09/14	TDN	n/a	n/a	V3V492
JB68650-2	3V11556.D	1	06/09/14	TDN	n/a	n/a	V3V492

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

JB68318-9, JB68318-10

CAS No.	Compound	JB68650-2 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		48.9	41.3	85	48.9	40.2	82	3	31-140/25
75-09-2	Methylene chloride	1.9		48.9	43.0	84	48.9	43.2	85	0	44-127/21
100-42-5	Styrene	ND		48.9	51.5	105	48.9	52.9	108	3	30-143/26
79-34-5	1,1,2,2-Tetrachloroethane	ND		48.9	47.2	97	48.9	44.9	92	5	30-131/27
127-18-4	Tetrachloroethene	ND		48.9	51.5	105	48.9	53.3	109	3	15-183/26
108-88-3	Toluene	ND		48.9	44.7	91	48.9	42.6	87	5	38-135/23
87-61-6	1,2,3-Trichlorobenzene	ND		48.9	49.0	100	48.9	49.9	102	2	10-159/33
120-82-1	1,2,4-Trichlorobenzene	ND		48.9	48.5	99	48.9	50.0	102	3	10-161/33
71-55-6	1,1,1-Trichloroethane	ND		48.9	50.1	103	48.9	50.1	103	0	43-142/23
79-00-5	1,1,2-Trichloroethane	ND		48.9	44.2	90	48.9	42.5	87	4	37-135/25
79-01-6	Trichloroethene	ND		48.9	49.8	102	48.9	51.0	104	2	29-161/23
75-69-4	Trichlorofluoromethane	ND		48.9	48.3	99	48.9	48.8	100	1	14-160/29
75-01-4	Vinyl chloride	ND		48.9	49.6	102	48.9	47.3	97	5	31-140/24
	m,p-Xylene	ND		97.7	95.9	98	97.7	96.8	99	1	29-140/26
95-47-6	o-Xylene	ND		48.9	50.8	104	48.9	52.4	107	3	31-140/24
1330-20-7	Xylene (total)	ND		147	147	100	147	149	102	1	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB68650-2	Limits
1868-53-7	Dibromofluoromethane	91%	89%	92%	59-130%
17060-07-0	1,2-Dichloroethane-D4	90%	90%	97%	65-123%
2037-26-5	Toluene-D8	100%	94%	104%	77-125%
460-00-4	4-Bromofluorobenzene	112%	103%	105%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
JB68478-1MS	2C119285.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1MSD	2C119286.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1	2C119279.D	10	06/09/14	TP	n/a	n/a	V2C5484

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

JB68318-6, JB68318-7

CAS No.	Compound	JB68478-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	48.1	J	500	565	103	500	577	106	2	44-160/20
71-43-2	Benzene	ND		500	491	98	500	492	98	0	50-136/12
74-97-5	Bromochloromethane	ND		500	492	98	500	493	99	0	74-131/11
75-27-4	Bromodichloromethane	ND		500	557	111	500	555	111	0	74-132/11
75-25-2	Bromoform	ND		500	555	111	500	550	110	1	68-136/12
74-83-9	Bromomethane	ND		500	480	96	500	478	96	0	37-157/21
78-93-3	2-Butanone (MEK)	ND		500	512	102	500	506	101	1	60-145/15
75-15-0	Carbon disulfide	ND		500	397	79	500	394	79	1	37-143/17
56-23-5	Carbon tetrachloride	ND		500	530	106	500	524	105	1	46-152/17
108-90-7	Chlorobenzene	ND		500	548	110	500	550	110	0	70-127/12
75-00-3	Chloroethane	ND		500	505	101	500	497	99	2	44-147/16
67-66-3	Chloroform	ND		500	472	94	500	474	95	0	67-129/12
74-87-3	Chloromethane	ND		500	452	90	500	450	90	0	40-149/19
110-82-7	Cyclohexane	24.2	J	500	471	89	500	466	88	1	31-153/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	543	109	500	534	107	2	61-144/14
124-48-1	Dibromochloromethane	ND		500	563	113	500	567	113	1	74-131/10
106-93-4	1,2-Dibromoethane	ND		500	539	108	500	545	109	1	74-129/10
95-50-1	1,2-Dichlorobenzene	ND		500	542	108	500	549	110	1	73-126/11
541-73-1	1,3-Dichlorobenzene	ND		500	542	108	500	546	109	1	71-124/12
106-46-7	1,4-Dichlorobenzene	ND		500	536	107	500	541	108	1	71-123/12
75-71-8	Dichlorodifluoromethane	ND		500	454	91	500	452	90	0	20-161/25
75-34-3	1,1-Dichloroethane	ND		500	484	97	500	484	97	0	61-134/12
107-06-2	1,2-Dichloroethane	ND		500	536	107	500	528	106	2	68-137/11
75-35-4	1,1-Dichloroethene	ND		500	434	87	500	430	86	1	40-143/17
156-59-2	cis-1,2-Dichloroethene	ND		500	487	97	500	487	97	0	59-133/12
156-60-5	trans-1,2-Dichloroethene	ND		500	444	89	500	446	89	0	55-132/14
78-87-5	1,2-Dichloropropane	ND		500	525	105	500	528	106	1	70-128/11
10061-01-5	cis-1,3-Dichloropropene	ND		500	550	110	500	549	110	0	73-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		500	553	111	500	556	111	1	72-128/11
100-41-4	Ethylbenzene	167		500	713	109	500	715	110	0	49-137/13
76-13-1	Freon 113	ND		500	384	77	500	381	76	1	32-161/23
591-78-6	2-Hexanone	ND		500	563	113	500	564	113	0	59-145/14
98-82-8	Isopropylbenzene	15.6	J	500	559	109	500	567	110	1	57-136/14
79-20-9	Methyl Acetate	ND		500	429	86	500	420	84	2	46-148/15
108-87-2	Methylcyclohexane	54.3		500	522	94	500	531	95	2	30-155/21
1634-04-4	Methyl Tert Butyl Ether	ND		500	481	96	500	478	96	1	64-134/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
JB68478-1MS	2C119285.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1MSD	2C119286.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1	2C119279.D	10	06/09/14	TP	n/a	n/a	V2C5484

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

JB68318-6, JB68318-7

CAS No.	Compound	JB68478-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		500	555	111	500	552	110	1	63-144/13
75-09-2	Methylene chloride	ND		500	457	91	500	457	91	0	64-128/11
100-42-5	Styrene	ND		500	570	114	500	574	115	1	67-130/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	534	107	500	540	108	1	68-131/11
127-18-4	Tetrachloroethene	ND		500	549	110	500	549	110	0	48-143/15
108-88-3	Toluene	38.9		500	574	107	500	576	107	0	54-137/13
87-61-6	1,2,3-Trichlorobenzene	ND		500	579	116	500	588	118	2	62-143/13
120-82-1	1,2,4-Trichlorobenzene	ND		500	562	112	500	569	114	1	66-138/12
71-55-6	1,1,1-Trichloroethane	ND		500	488	98	500	486	97	0	52-145/16
79-00-5	1,1,2-Trichloroethane	ND		500	549	110	500	546	109	1	73-130/10
79-01-6	Trichloroethene	ND		500	531	106	500	534	107	1	54-141/13
75-69-4	Trichlorofluoromethane	ND		500	491	98	500	486	97	1	33-159/25
75-01-4	Vinyl chloride	ND		500	490	98	500	487	97	1	36-149/19
	m,p-Xylene	1920		1000	3030	111	1000	3040	112	0	50-137/12
95-47-6	o-Xylene	1270		500	1880	122	500	1890	124	1	60-134/12
1330-20-7	Xylene (total)	3180		1500	4910	115	1500	4930	117	0	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB68478-1	Limits
1868-53-7	Dibromofluoromethane	98%	96%	96%	79-120%
17060-07-0	1,2-Dichloroethane-D4	95%	94%	96%	72-123%
2037-26-5	Toluene-D8	109%	108%	110%	78-119%
460-00-4	4-Bromofluorobenzene	103%	104%	103%	74-119%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB68318
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
JB68318-3DUP	3V11551.D	1	06/09/14	TDN	n/a	n/a	V3V491
JB68318-3	3V11528.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

CAS No.	Compound	JB68318-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	81.5		114		33	39
71-43-2	Benzene	ND		ND		nc	24
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	30
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	30
78-93-3	2-Butanone (MEK)	ND		ND		nc	19
75-15-0	Carbon disulfide	18.2		31.7		54* [a]	21
56-23-5	Carbon tetrachloride	ND		ND		nc	30
108-90-7	Chlorobenzene	ND		ND		nc	30
75-00-3	Chloroethane	ND		ND		nc	30
67-66-3	Chloroform	ND		ND		nc	30
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	1.6	J	4.2	J	90* [a]	12
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	30
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	30
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	30
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	30
107-06-2	1,2-Dichloroethane	ND		ND		nc	30
75-35-4	1,1-Dichloroethene	ND		ND		nc	30
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	30
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	30
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	17
76-13-1	Freon 113	ND		ND		nc	30
591-78-6	2-Hexanone	ND		ND		nc	30
98-82-8	Isopropylbenzene	ND		ND		nc	17
79-20-9	Methyl Acetate	ND		ND		nc	30
108-87-2	Methylcyclohexane	ND		ND		nc	11
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	16

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB68318
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
JB68318-3DUP	3V11551.D	1	06/09/14	TDN	n/a	n/a	V3V491
JB68318-3	3V11528.D	1	06/07/14	TDN	n/a	n/a	V3V491

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

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8

CAS No.	Compound	JB68318-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	30
75-09-2	Methylene chloride	ND		ND		nc	60
100-42-5	Styrene	ND		ND		nc	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	30
127-18-4	Tetrachloroethene	ND		ND		nc	18
108-88-3	Toluene	1.6	J	1.9	J	17	33
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	30
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	30
79-01-6	Trichloroethene	ND		ND		nc	17
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	30
	m,p-Xylene	ND		ND		nc	22
95-47-6	o-Xylene	ND		ND		nc	19
1330-20-7	Xylene (total)	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JB68318-3	Limits
1868-53-7	Dibromofluoromethane	95%	93%	59-130%
17060-07-0	1,2-Dichloroethane-D4	98%	96%	65-123%
2037-26-5	Toluene-D8	99%	101%	77-125%
460-00-4	4-Bromofluorobenzene	108%	114%	71-132%

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

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: V2C5480-BFB
Lab File ID: 2C119185.D
Instrument ID: GCMS2C
Injection Date: 06/05/14
Injection Time: 15:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	23000	17.2		Pass
75	30.0 - 60.0% of mass 95	59576	44.6		Pass
95	Base peak, 100% relative abundance	133557	100.0		Pass
96	5.0 - 9.0% of mass 95	8454	6.33		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	131576	98.5		Pass
175	5.0 - 9.0% of mass 174	9938	7.44	(7.55) [a]	Pass
176	95.0 - 101.0% of mass 174	128570	96.3	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	8349	6.25	(6.49) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2C5480-IC5480	2C119186.D	06/05/14	16:19	00:47	Initial cal 0.2
V2C5480-IC5480	2C119187.D	06/05/14	16:48	01:16	Initial cal 0.5
V2C5480-IC5480	2C119188.D	06/05/14	17:16	01:44	Initial cal 1
V2C5480-IC5480	2C119189.D	06/05/14	17:45	02:13	Initial cal 2
V2C5480-IC5480	2C119190.D	06/05/14	18:14	02:42	Initial cal 5
V2C5480-IC5480	2C119191.D	06/05/14	18:43	03:11	Initial cal 10
V2C5480-IC5480	2C119192.D	06/05/14	19:11	03:39	Initial cal 20
V2C5480-ICC5480	2C119193.D	06/05/14	19:40	04:08	Initial cal 50
V2C5480-IC5480	2C119194.D	06/05/14	20:09	04:37	Initial cal 100
V2C5480-IC5480	2C119195.D	06/05/14	20:37	05:05	Initial cal 200
V2C5480-ICV5480	2C119198.D	06/05/14	22:03	06:31	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V2C5484-BFB	**Injection Date:**	06/09/14
Lab File ID:	2C119271.D	**Injection Time:**	10:02
Instrument ID:	GCMS2C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	16681	17.6		Pass
75	30.0 - 60.0% of mass 95	42837	45.3		Pass
95	Base peak, 100% relative abundance	94634	100.0		Pass
96	5.0 - 9.0% of mass 95	6073	6.42		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	95880	101.3		Pass
175	5.0 - 9.0% of mass 174	7129	7.53	(7.44) [a]	Pass
176	95.0 - 101.0% of mass 174	92506	97.8	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5981	6.32	(6.47) [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
V2C5484-CC5480	2C119272.D	06/09/14	10:30	00:28	Continuing cal 20
V2C5484-MB	2C119274.D	06/09/14	11:33	01:31	Method Blank
V2C5484-BS	2C119275.D	06/09/14	12:11	02:09	Blank Spike
JB68478-1	2C119279.D	06/09/14	14:05	04:03	(used for QC only; not part of job JB68318)
ZZZZZZ	2C119281.D	06/09/14	15:03	05:01	(unrelated sample)
ZZZZZZ	2C119282.D	06/09/14	15:31	05:29	(unrelated sample)
ZZZZZZ	2C119284.D	06/09/14	16:29	06:27	(unrelated sample)
JB68478-1MS	2C119285.D	06/09/14	16:58	06:56	Matrix Spike
JB68478-1MSD	2C119286.D	06/09/14	17:26	07:24	Matrix Spike Duplicate
JB68318-6	2C119288.D	06/09/14	18:24	08:22	324-FB-9
JB68318-7	2C119289.D	06/09/14	18:53	08:51	325-TB-8
ZZZZZZ	2C119290.D	06/09/14	19:21	09:19	(unrelated sample)
ZZZZZZ	2C119291.D	06/09/14	19:50	09:48	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12725	15.3		Pass
75	30.0 - 60.0% of mass 95	36133	43.3		Pass
95	Base peak, 100% relative abundance	83405	100.0		Pass
96	5.0 - 9.0% of mass 95	5637	6.76		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	76061	91.2		Pass
175	5.0 - 9.0% of mass 174	5852	7.02	(7.69) [a]	Pass
176	95.0 - 101.0% of mass 174	73779	88.5	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	4785	5.74	(6.49) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3V474-IC474	3V11183.D	05/22/14	10:20	00:38	Initial cal 0.2
V3V474-IC474	3V11184.D	05/22/14	10:47	01:05	Initial cal 0.5
V3V474-IC474	3V11185.D	05/22/14	11:14	01:32	Initial cal 1
V3V474-IC474	3V11186.D	05/22/14	11:41	01:59	Initial cal 2
V3V474-IC474	3V11187.D	05/22/14	12:08	02:26	Initial cal 5
V3V474-IC474	3V11188.D	05/22/14	12:34	02:52	Initial cal 10
V3V474-IC474	3V11189.D	05/22/14	13:01	03:19	Initial cal 20
V3V474-ICC474	3V11190.D	05/22/14	13:28	03:46	Initial cal 50
V3V474-IC474	3V11191.D	05/22/14	13:54	04:12	Initial cal 100
V3V474-IC474	3V11192.D	05/22/14	14:21	04:39	Initial cal 200
V3V474-ICV474	3V11195.D	05/22/14	15:41	05:59	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V491-BFB	**Injection Date:**	06/07/14
Lab File ID:	3V11520.D	**Injection Time:**	10:40
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11200	16.8		Pass
75	30.0 - 60.0% of mass 95	29909	44.8		Pass
95	Base peak, 100% relative abundance	66739	100.0		Pass
96	5.0 - 9.0% of mass 95	4607	6.90		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	61616	92.3		Pass
175	5.0 - 9.0% of mass 174	4843	7.26	(7.86) [a]	Pass
176	95.0 - 101.0% of mass 174	59611	89.3	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3755	5.63	(6.30) [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
V3V491-CC474	3V11522.D	06/07/14	12:29	01:49	Continuing cal 20
V3V491-MB	3V11523.D	06/07/14	13:06	02:26	Method Blank
V3V491-BS	3V11524.D	06/07/14	13:44	03:04	Blank Spike
JB68318-1	3V11526.D	06/07/14	14:38	03:58	319-PE-62
JB68318-2	3V11527.D	06/07/14	15:04	04:24	320-DUP-4
JB68318-3	3V11528.D	06/07/14	15:31	04:51	321-PE-61
JB68318-1MS	3V11529.D	06/07/14	15:58	05:18	Matrix Spike
JB68318-4	3V11532.D	06/07/14	17:18	06:38	322-PE-40
JB68318-5	3V11533.D	06/07/14	17:44	07:04	323-PE-63
JB68318-8	3V11534.D	06/07/14	18:11	07:31	326-PE-59

Instrument Performance Check (BFB)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V492-BFB	**Injection Date:**	06/09/14
Lab File ID:	3V11545.D	**Injection Time:**	08:31
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11954	17.3		Pass
75	30.0 - 60.0% of mass 95	31624	45.9		Pass
95	Base peak, 100% relative abundance	68949	100.0		Pass
96	5.0 - 9.0% of mass 95	4654	6.75		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	62107	90.1		Pass
175	5.0 - 9.0% of mass 174	4936	7.16	(7.95) [a]	Pass
176	95.0 - 101.0% of mass 174	60771	88.1	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3996	5.80	(6.58) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3V492-CC474	3V11546.D	06/09/14	09:30	00:59	Continuing cal 50
V3V491-MB2	3V11548.D	06/09/14	10:37	02:06	Method Blank
V3V491-BS2	3V11549.D	06/09/14	11:04	02:33	Blank Spike
JB68318-3DUP	3V11551.D	06/09/14	12:18	03:47	Duplicate
V3V492-MB1	3V11553.D	06/09/14	13:15	04:44	Method Blank
V3V492-BS	3V11554.D	06/09/14	14:05	05:34	Blank Spike
JB68650-2	3V11556.D	06/09/14	14:58	06:27	(used for QC only; not part of job JB68318)
ZZZZZZ	3V11557.D	06/09/14	15:25	06:54	(unrelated sample)
ZZZZZZ	3V11558.D	06/09/14	15:52	07:21	(unrelated sample)
JB68650-2MS	3V11559.D	06/09/14	16:18	07:47	Matrix Spike
JB68650-2MSD	3V11560.D	06/09/14	16:45	08:14	Matrix Spike Duplicate
JB68318-9	3V11562.D	06/09/14	17:39	09:08	327-PE-41
JB68318-10	3V11563.D	06/09/14	18:05	09:34	328-PE-44
ZZZZZZ	3V11564.D	06/09/14	18:32	10:01	(unrelated sample)
ZZZZZZ	3V11565.D	06/09/14	18:59	10:28	(unrelated sample)
ZZZZZZ	3V11566.D	06/09/14	19:26	10:55	(unrelated sample)
ZZZZZZ	3V11567.D	06/09/14	19:52	11:21	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V2C5484-CC5480	**Injection Date:**	06/09/14
Lab File ID:	2C119272.D	**Injection Time:**	10:30
Instrument ID:	GCMS2C	**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	201391	7.40	387807	9.88	453463	10.83	382162	13.91	206759	16.10
Upper Limit [a]	402782	7.90	775614	10.38	906926	11.33	764324	14.41	413518	16.60
Lower Limit [b]	100696	6.90	193904	9.38	226732	10.33	191081	13.41	103380	15.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2C5484-MB	190543	7.40	390188	9.88	449401	10.83	384980	13.91	200568	16.10
V2C5484-BS	196520	7.40	377319	9.88	436903	10.83	380167	13.91	201041	16.10
JB68478-1	192169	7.39	401137	9.88	457729	10.83	391758	13.91	209288	16.10
ZZZZZZ	192530	7.39	402921	9.88	464198	10.83	395614	13.91	212093	16.10
ZZZZZZ	200508	7.40	404403	9.88	463579	10.83	398828	13.91	212029	16.10
ZZZZZZ	197737	7.40	404732	9.88	461877	10.83	393967	13.91	210072	16.10
JB68478-1MS	198956	7.40	394199	9.88	458728	10.83	382173	13.91	209013	16.10
JB68478-1MSD	201592	7.40	410961	9.88	474643	10.83	391450	13.91	211611	16.10
JB68318-6	200394	7.40	427898	9.88	490340	10.83	418018	13.91	220357	16.10
JB68318-7	202848	7.40	426535	9.88	484363	10.83	413981	13.91	218912	16.10
ZZZZZZ	197936	7.40	413767	9.88	474516	10.83	404511	13.91	215048	16.10
ZZZZZZ	197160	7.40	403730	9.88	462348	10.83	397468	13.91	210522	16.10

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: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V491-CC474	**Injection Date:**	06/07/14
Lab File ID:	3V11522.D	**Injection Time:**	12:29
Instrument ID:	GCMS3V	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	91230	7.30	166979	9.78	239397	10.75	219114	13.96	137467	16.32
Upper Limit [a]	182460	7.80	333958	10.28	478794	11.25	438228	14.46	274934	16.82
Lower Limit [b]	45615	6.80	83490	9.28	119699	10.25	109557	13.46	68734	15.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3V491-MB	90948	7.31	163823	9.78	237213	10.75	223051	13.96	136107	16.32
V3V491-BS	102753	7.32	159993	9.79	231186	10.75	210823	13.96	131507	16.32
JB68318-1	103551	7.29	160244	9.79	228567	10.75	205437	13.96	115692	16.32
JB68318-2	101656	7.30	158584	9.79	227942	10.75	196517	13.96	122401	16.32
JB68318-3	81892	7.29	145981	9.79	208289	10.75	179257	13.97	99651	16.32
JB68318-1MS	69277	7.29	149004	9.79	213265	10.75	182963	13.96	112344	16.32
JB68318-4	80325	7.30	145946	9.79	208473	10.75	184090	13.96	102178	16.32
JB68318-5	54908	7.29	126136	9.78	176016	10.75	142866	13.96	73318	16.32
JB68318-8	67426	7.30	146722	9.79	208812	10.75	184978	13.97	100577	16.32

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

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

Volatile Internal Standard Area Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V492-CC474	**Injection Date:**	06/09/14
Lab File ID:	3V11546.D	**Injection Time:**	09:30
Instrument ID:	GCMS3V	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	82429	7.30	155317	9.78	222549	10.75	204652	13.96	128055	16.32
Upper Limit [a]	164858	7.80	310634	10.28	445098	11.25	409304	14.46	256110	16.82
Lower Limit [b]	41215	6.80	77659	9.28	111275	10.25	102326	13.46	64028	15.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3V491-MB2	86312	7.28	145603	9.78	211188	10.75	195582	13.96	124754	16.32
V3V491-BS2	96696	7.30	144161	9.78	206119	10.75	191220	13.96	122416	16.32
JB68318-3DUP	87831	7.28	133051	9.79	187302	10.75	149284	13.96	90739	16.32
V3V492-MB1	63639	7.31	149768	9.79	214492	10.75	193069	13.97	115458	16.32
V3V492-BS	72621	7.31	148075	9.79	213947	10.75	194201	13.96	119482	16.32
JB68650-2	84040	7.30	148489	9.78	215510	10.75	203175	13.97	128167	16.32
ZZZZZZ	85954	7.29	140307	9.78	203584	10.75	192154	13.96	122102	16.32
ZZZZZZ	75918	7.30	145180	9.78	210762	10.75	192389	13.96	120089	16.32
JB68650-2MS	63147	7.30	146285	9.79	210794	10.75	180774	13.97	107469	16.32
JB68650-2MSD	67632	7.29	145010	9.79	205173	10.75	169177	13.96	108140	16.32
JB68318-9	101044	7.30	138236	9.79	201278	10.75	179122	13.96	99870	16.32
JB68318-10	104035	7.30	136200	9.79	197488	10.75	178069	13.96	100999	16.32
ZZZZZZ	74666	7.30	142169	9.79	204672	10.75	186962	13.97	109932	16.32
ZZZZZZ	79931	7.30	143541	9.79	207368	10.75	196832	13.96	123220	16.32
ZZZZZZ	78925	7.29	142612	9.79	207360	10.75	178734	13.96	115118	16.32
ZZZZZZ	75049	7.28	136445	9.79	196199	10.75	180349	13.96	109618	16.32

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

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

Volatile Surrogate Recovery Summary

Job Number: JB68318
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
JB68318-6	2C119288.D	96	94	109	103
JB68318-7	2C119289.D	96	94	109	104
JB68478-1MS	2C119285.D	98	95	109	103
JB68478-1MSD	2C119286.D	96	94	108	104
V2C5484-BS	2C119275.D	98	95	109	101
V2C5484-MB	2C119274.D	98	97	110	106

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: JB68318
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
JB68318-1	3V11526.D	92	97	102	115
JB68318-2	3V11527.D	94	100	102	108
JB68318-3	3V11528.D	93	96	101	114
JB68318-4	3V11532.D	94	100	101	109
JB68318-5	3V11533.D	93	95	98	117
JB68318-8	3V11534.D	91	97	103	109
JB68318-9	3V11562.D	94	104	101	113
JB68318-10	3V11563.D	96	106	103	106
JB68318-1MS	3V11529.D	90	89	102	108
JB68318-3DUP	3V11551.D	95	98	99	108
JB68650-2MS	3V11559.D	91	90	100	112
JB68650-2MSD	3V11560.D	89	90	94	103
V3V491-BS	3V11524.D	88	92	103	105
V3V491-MB	3V11523.D	88	92	104	107
V3V492-BS	3V11554.D	91	94	102	107
V3V492-MB1	3V11553.D	90	93	106	113
V3V491-MB2	3V11548.D	90	96	102	105

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: JB68318 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\MSDCHEM\1\METHODS\M2C5480.M (RTE Integrator)
Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
Last Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Calibration Files
1 =2C119188.D 2 =2C119189.D 100 =2C119194.D 50 =2C119193.D
20 =2C119192.D 200 =2C119195.D 5 =2C119190.D 10 =2C119191.D
0.5 =2C119187.D 0.2 =2C119186.D = =

Compound	1	2	100	50	20	200	5	10	0.5	0.2	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------ISTD----------											
2) tertiary butyl alcohol	1.034	1.097	1.163	1.200	1.194	1.156	1.113	1.309			1.158	7.06
3) ethanol	0.065	0.070	0.069	0.065	0.070	0.048	0.067	0.076			0.066	12.28
4) 1,4-dioxane			0.087	0.075	0.080	0.061	0.070	0.089			0.077	13.57
5) I pentafluorobenzene	----------ISTD----------											
6) FREON 115											0.000#	-1.00
7) FREON 23											0.000#	-1.00
8) FREON 143A											0.000#	-1.00
9) FREON 152A											0.000#	-1.00
10) CHLOROTRIFLUOROETHENE											0.000#	-1.00
11) chlorodifluoromethane	0.343	0.364	0.408	0.421	0.409	0.400	0.365	0.471	0.303	0.334	0.382	12.95
12) dichlorodifluoromethane			0.339	0.395	0.429	0.415	0.399	0.395	0.468		0.406	9.72
13) FREON 114											0.000#	-1.00
14) FREON 142B											0.000#	-1.00
15) chloromethane	0.470	0.509	0.557	0.579	0.565	0.552	0.532	0.613	0.542		0.546	7.50
16) vinyl chloride	0.393	0.436	0.509	0.532	0.524	0.505	0.479	0.569	0.414		0.485	12.16
17) bromomethane	0.269	0.286	0.287	0.323	0.323	0.282	0.306	0.346	0.296	0.321	0.304	7.88
18) chloroethane	0.192	0.193	0.226	0.242	0.247	0.226	0.217	0.265	0.172		0.220	13.64
19) trichlorofluoromethane			0.420	0.536	0.558	0.544	0.531	0.490	0.594		0.525	10.64
20) pentane											0.000#	-1.00
21) ethyl ether			0.166	0.213	0.221	0.210	0.211	0.191	0.220		0.204	9.69
22) 2-CHLOROPROPANE	0.686	0.559	0.606	0.625	0.595	0.592	0.609	0.700			0.621	7.72
23) FREON 123												

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                                                                    0.000#  -1.00
24)  FREON 141B
                                                                    0.000#  -1.00
25)  FREON 123A
                                                                    0.000#  -1.00
26)  acrolein
      0.102 0.101       0.105 0.104       0.097 0.113               0.104    4.98
27)  1,1-dichloroethene
      0.248 0.276 0.326 0.337 0.319 0.320 0.300 0.354 0.242         0.302   12.97
28)  acetone
                  0.042 0.044 0.039 0.038 0.032 0.037               0.039   11.11
29)  allyl chloride
                  0.204 0.207 0.203 0.202 0.183 0.225               0.204    6.48
30)  acetonitrile
                  0.044 0.044 0.046 0.034 0.052 0.052               0.045   14.13
31)  iodomethane
            0.540 0.650 0.656 0.624 0.637 0.598 0.681               0.627    7.38
32)  iso-butyl alcohol
                  0.005 0.005 0.005 0.005 0.003 0.004               0.004#  23.46
            ----- Linear regression -----  Coefficient =  0.9951
              Response Ratio = 0.00143 + 0.00472 *A

33)  carbon disulfide
      0.893 1.000 1.123 1.167 1.097 1.102 1.056 1.193 0.896 0.964   1.049   10.16
34)  methylene chloride
      0.298 0.339 0.375 0.388 0.372 0.367 0.352 0.402 0.316 0.363   0.357    8.90
35)  1-CHLOROPROPANE
                  0.636 0.695 0.721 0.605 0.724 0.867               0.708   12.91
36)  methyl acetate
      0.359 0.357 0.391 0.391 0.384 0.364 0.359 0.392 0.299         0.366    8.01
37)  methyl tert butyl ether
      0.855 0.970 1.073 1.109 1.083 1.012 1.028 1.145 0.885 0.955   1.011    9.43
38)  trans-1,2-dichloroethene
      0.281 0.323 0.340 0.359 0.347 0.333 0.336 0.378 0.302         0.333    8.68
39)  di-isopropyl ether
      1.192 1.142 1.261 1.321 1.328 1.184 1.223 1.417 1.063 1.230   1.236    8.19
40)  2-butanone
                  0.058 0.056 0.053 0.053 0.043 0.054               0.053    9.92
41)  1,1-dichloroethane
      0.498 0.576 0.667 0.707 0.678 0.647 0.640 0.721 0.517 0.494   0.615   14.09
42)  chloroprene
            0.436 0.507 0.535 0.525 0.496 0.470 0.572               0.506    8.78
43)  acrylonitrile
      0.130 0.161 0.186 0.190 0.185 0.171 0.167 0.194               0.173   12.11
44)  vinyl acetate
                  0.071 0.070 0.067 0.069       0.062               0.068    5.50
45)  ethyl tert-butyl ether
      1.011 1.002 1.161 1.198 1.181 1.096 1.102 1.281 0.867 0.919   1.082   12.08
46)  ethyl acetate
            0.056 0.068 0.071 0.076 0.070 0.070 0.074               0.069    9.36
47)  2,2-dichloropropane
      0.390 0.430 0.434 0.462 0.451 0.414 0.438 0.499               0.440    7.39
48)  cis-1,2-dichloroethene
      0.280 0.334 0.385 0.402 0.390 0.375 0.372 0.412 0.322         0.363   11.83
49)  propionitrile
      0.054 0.063 0.074 0.073 0.073 0.065 0.068 0.078               0.068   11.18
50)  bromochloromethane
      0.134 0.167 0.203 0.206 0.202 0.197 0.187 0.211               0.188   13.80
51)  tetrahydrofuran
      0.204 0.179 0.177 0.176 0.170 0.158 0.182 0.194 0.166         0.178    7.89
```

Initial Calibration Summary

Job Number: JB68318 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

52) chloroform
0.502 0.561 0.606 0.640 0.620 0.590 0.592 0.665 0.550 0.685 0.601 9.17
53) t-butyl formate
0.262 0.266 0.318 0.324 0.330 0.295 0.287 0.344 0.303 10.05
54) dibromofluoromethane (s)
0.344 0.330 0.335 0.344 0.342 0.330 0.318 0.367 0.339 4.26
55) 1,2-dichloroethane-d4 (s)
0.398 0.393 0.389 0.400 0.399 0.375 0.378 0.431 0.395 4.34
56) freon 113
0.260 0.268 0.252 0.258 0.215 0.283 0.256 8.88
57) methacrylonitrile
0.239 0.257 0.301 0.302 0.284 0.287 0.253 0.297 0.277 8.82
58) 1,1,1-trichloroethane
0.391 0.440 0.489 0.511 0.487 0.475 0.464 0.533 0.376 0.463 11.33
59) Cyclohexane
0.377 0.425 0.482 0.497 0.478 0.468 0.452 0.493 0.459 8.88
60) tert amyl alcohol
0.000# -1.00

61) I 1,4-difluorobenzene ----------ISTD----------
62) Di-isobutylene
0.000# -1.00
63) epichlorohydrin
0.034 0.037 0.042 0.040 0.040 0.037 0.039 0.045 0.028 0.038 12.51
64) n-butyl alcohol
0.010 0.013 0.011 0.011 0.009 0.010 0.012 0.011 12.24
65) carbon tetrachloride
0.275 0.331 0.370 0.388 0.374 0.362 0.360 0.407 0.284 0.350 12.87
66) 1,1-dichloropropene
0.292 0.352 0.383 0.405 0.386 0.376 0.377 0.420 0.303 0.299 0.359 12.77
67) hexane
0.330 0.344 0.387 0.403 0.393 0.380 0.358 0.437 0.300 0.420 0.375 11.28
68) tert amyl ethyl ether
0.000# -1.00
69) iso-octane
0.688 0.792 0.759 0.815 0.835 0.717 0.783 0.964 0.680 0.647 0.768 12.07
70) benzene
0.944 1.054 1.111 1.179 1.134 1.072 1.109 1.247 0.985 1.208 1.104 8.59
71) tert-amyl methyl ether
0.188 0.180 0.198 0.204 0.207 0.188 0.197 0.230 0.132 0.192 13.84
72) heptane
0.224 0.271 0.326 0.329 0.323 0.327 0.267 0.356 0.303 14.58
73) isopropyl acetate
0.753 0.758 0.738 0.759 0.736 0.680 0.710 0.814 0.753 0.745 4.95
74) 1,2-dichloroethane
0.288 0.331 0.365 0.386 0.384 0.344 0.363 0.405 0.271 0.348 13.00
75) trichloroethene
0.230 0.252 0.288 0.297 0.284 0.284 0.266 0.310 0.221 0.270 11.18
76) 2-nitropropane
0.139 0.146 0.132 0.134 0.140 0.124 0.147 0.146 0.172 0.142 9.61
77) 2-chloroethyl vinyl ether
0.156 0.161 0.211 0.213 0.209 0.201 0.179 0.216 0.193 12.64
78) methyl methacrylate
0.067 0.091 0.093 0.090 0.088 0.081 0.093 0.086 10.86
79) 1,2-dichloropropane
0.241 0.281 0.307 0.324 0.308 0.296 0.297 0.338 0.211 0.289 13.90
80) dibromomethane
0.152 0.171 0.194 0.201 0.196 0.189 0.185 0.209 0.129 0.181 14.31
81) methylcyclohexane
0.385 0.405 0.466 0.486 0.477 0.451 0.409 0.527 0.451 10.71

Initial Calibration Summary

Job Number: JB68318 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

82)	bromodichloromethane												
	0.306	0.344	0.403	0.412	0.390	0.390	0.368	0.416	0.294	0.319	0.364		12.44
83)	cis-1,3-dichloropropene												
	0.367	0.438	0.506	0.522	0.503	0.492	0.467	0.531	0.368	0.403	0.460		13.54
84)	toluene-d8 (s)												
	0.918	0.916	0.949	1.001	0.984	0.918	0.916	1.082			0.961		6.18
85)	4-methyl-2-pentanone												
	0.125	0.132	0.160	0.159	0.151	0.149	0.140	0.161			0.147		9.07
86)	toluene												
	0.549	0.589	0.661	0.694	0.674	0.642	0.643	0.728	0.514	0.535	0.623		11.61
87)	3-methyl-1-butanol												
	0.015	0.016	0.017	0.016	0.016	0.013	0.016	0.018			0.016		9.25
88)	trans-1,3-dichloropropene												
	0.358	0.393	0.466	0.484	0.462	0.450	0.428	0.495	0.344	0.361	0.424		13.21
89)	ethyl methacrylate												
	0.329	0.358	0.441	0.456	0.428	0.418	0.401	0.454			0.411		11.17
90)	1,1,2-trichloroethane												
	0.183	0.208	0.240	0.245	0.238	0.232	0.230	0.246	0.178		0.222		11.82
91)	2-hexanone												
	0.117	0.147	0.147	0.141	0.135	0.147	0.145				0.140		7.75
92)	I chlorobenzene-d5	----------ISTD----------											
93)	tetrachloroethene												
	0.220	0.261	0.303	0.310	0.297	0.300	0.283	0.323	0.219		0.280		13.67
94)	1,3-dichloropropane												
	0.415	0.471	0.545	0.558	0.541	0.525	0.505	0.569	0.387	0.470	0.499		12.39
95)	butyl acetate												
	0.235	0.252	0.295	0.290	0.283	0.287	0.251	0.305			0.275		9.22
96)	3,3-dimethyl-1-butanol												
	0.040	0.042	0.047	0.044	0.044	0.039	0.040	0.046			0.043		6.94
97)	dibromochloromethane												
	0.299	0.345	0.420	0.421	0.397	0.418	0.358	0.408	0.278		0.372		14.66
98)	1,2-dibromoethane												
	0.269	0.299	0.375	0.375	0.356	0.371	0.327	0.370			0.343		11.76
99)	BUTYL ETHER												
											0.000#		-1.00
100)	chlorobenzene												
	0.678	0.773	0.894	0.917	0.883	0.887	0.832	0.930	0.704	0.768	0.827		10.94
101)	1,1,1,2-tetrachloroethane												
	0.253	0.298	0.348	0.353	0.339	0.342	0.321	0.357	0.288		0.322		11.02
102)	ethylbenzene												
	1.115	1.301	1.459	1.525	1.499	1.423	1.388	1.577	1.167	1.249	1.370		11.42
103)	m,p-xylene												
	0.444	0.503	0.575	0.589	0.570	0.567	0.528	0.607	0.436		0.535		11.67
104)	o-xylene												
	0.430	0.511	0.593	0.598	0.576	0.580	0.531	0.602	0.430	0.432	0.528		13.89
105)	styrene												
	0.700	0.799	0.987	1.022	0.981	0.953	0.879	1.023	0.698		0.893		14.69
106)	bromoform												
	0.251	0.283	0.355	0.347	0.320	0.348	0.296	0.333			0.317		11.63
107)	I 1,4-dichlorobenzene-d	----------ISTD----------											
108)	isopropylbenzene												
	2.134	2.449	2.698	2.855	2.769	2.670	2.590	2.924	2.245	2.247	2.558		10.79
109)	4-bromofluorobenzene (s)												
	0.845	0.788	0.780	0.813	0.807	0.777	0.777	0.868			0.807		4.19
110)	cyclohexanone												
	0.145	0.132	0.099	0.117	0.107		0.120	0.114	0.138		0.122		12.96
111)	bromobenzene												
	0.627	0.721	0.773	0.815	0.803	0.764	0.749	0.839	0.594	0.653	0.734		11.37

Initial Calibration Summary

Job Number: JB68318 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
112)  1,1,2,2-tetrachloroethane
       0.912 0.930 0.969 0.991 0.958 0.945 0.936 1.014 0.743 0.824  0.922    8.81
113)  trans-1,4-dichloro-2-butene
             0.106 0.131 0.134 0.126 0.130 0.115 0.125              0.124    8.09
114)  1,2,3-trichloropropane
       0.215 0.193 0.217 0.225 0.219 0.212 0.220 0.239              0.218    5.99
115)  n-propylbenzene
       2.447 2.803 2.964 3.181 3.133 2.917 2.950 3.354 2.334 2.753  2.884   10.97
116)  2-chlorotoluene
       0.545 0.612 0.684 0.710 0.679 0.686 0.626 0.718 0.543        0.645   10.39
117)  4-chlorotoluene
       1.702 1.778 1.955 2.037 1.987 1.936 1.879 2.136 1.661 1.712  1.878    8.48
118)  1,3,5-trimethylbenzene
       1.836 1.992 2.194 2.313 2.256 2.143 2.122 2.434 1.769 2.001  2.106    9.91
119)  tert-butylbenzene
       1.554 1.777 1.978 2.063 1.977 1.990 1.849 2.088 1.656 1.667  1.860   10.10
120)  pentachloroethane
       0.442 0.454 0.519 0.533 0.515 0.514 0.484 0.551 0.358        0.485   12.33
121)  1,2,4-trimethylbenzene
       1.798 2.045 2.166 2.286 2.259 2.111 2.063 2.377 1.740 1.870  2.071   10.32
122)  sec-butylbenzene
       2.438 2.715 2.959 3.104 3.016 2.911 2.792 3.254 2.459 2.429  2.808   10.45
123)  1,3-dichlorobenzene
       1.237 1.346 1.427 1.484 1.443 1.395 1.358 1.550 1.130 1.255  1.362    9.26
124)  p-isopropyltoluene
       2.023 2.253 2.526 2.651 2.517 2.448 2.305 2.681 1.816 2.040  2.326   12.52
125)  1,2,3-trimethylbenzene
                                                                    0.000#  -1.00
126)  1,4-dichlorobenzene
       1.236 1.376 1.421 1.468 1.421 1.390 1.336 1.509 1.065 1.392  1.361    9.36
127)  1,2-dichlorobenzene
       1.336 1.334 1.407 1.462 1.419 1.353 1.299 1.474 1.138 1.275  1.350    7.38
128)  n-butylbenzene
       1.031 1.158 1.292 1.348 1.279 1.239 1.198 1.367 0.916        1.203   12.34
129)  1,2-dibromo-3-chloropropane
       0.140 0.153 0.175 0.172 0.169 0.166 0.154 0.172              0.163    7.53
130)  1,3,5-trichlorobenzene
       1.016 1.057 1.207 1.264 1.213 1.170 1.089 1.281 0.884 1.090  1.127   10.96
131)  1,2,4-trichlorobenzene
       0.901 0.914 1.126 1.151 1.090 1.092 0.956 1.146              1.047   10.10
132)  hexachlorobutadiene
       0.458 0.543 0.593 0.629 0.623 0.574 0.590 0.659 0.453        0.569   12.72
133)  naphthalene
       2.356 2.345 2.588 2.631 2.498 2.457 2.200 2.566 1.838 2.812  2.429   11.07
134)  1,2,3-trichlorobenzene
       0.904 0.875 1.062 1.089 1.038 1.024 0.927 1.061 0.702 0.946  0.963   12.28
135)  hexachloroethane
       0.366 0.434 0.534 0.549 0.507 0.521 0.473 0.534              0.490   12.78
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M2C5480.M         Mon Jun 09 09:26:23 2014   RPT1
```

Initial Calibration Verification

Job Number: JB68318 **Sample:** V2C5480-ICV5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119198.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2C119198.D Vial: 14
Acq On : 5 Jun 2014 10:03 pm Operator: toanp
Sample : icv5480-50 Inst : Instrument #1
Misc : MS62067, V2C5480,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2C5480.M (RTE Integrator)
Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
Last Update : Mon Jun 09 09:24:56 2014
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	110	-0.01	7.40
2		tertiary butyl alcohol	1.158	1.236	-6.7	114	-0.01	7.54
3		ethanol	0.066	0.077	-16.7	131	0.00	6.02
4		1,4-dioxane	0.077	0.091	-18.2	135	0.00	11.57
5	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	9.88
6		FREON 115		----------NA----------				
7		FREON 23		----------NA----------				
8		FREON 143A		----------NA----------				
9		FREON 152A		----------NA----------				
10		CHLOROTRIFLUOROETHENE		----------NA----------				
11		chlorodifluoromethane	0.382	0.315	17.5	77	0.00	3.75
12		dichlorodifluoromethane	0.406	0.404	0.5	97	0.00	3.74
13		FREON 114		----------NA----------				
14		FREON 142B		----------NA----------				
15		chloromethane	0.546	0.567	-3.8	101	-0.02	4.05
16		vinyl chloride	0.485	0.518	-6.8	101	-0.03	4.32
17		bromomethane	0.304	0.307	-1.0	98	0.00	5.00
18		chloroethane	0.220	0.240	-9.1	103	0.00	5.18
19		trichlorofluoromethane	0.525	0.547	-4.2	102	0.00	5.72
20		pentane		----------NA----------				
21		ethyl ether	0.204	0.220	-7.8	103	0.00	6.17
22		2-CHLOROPROPANE	0.621	0.632	-1.8	104	0.00	6.36
23		FREON 123		----------NA----------				
24		FREON 141B		----------NA----------				
25		FREON 123A		----------NA----------				
26		acrolein	0.104	0.092	11.5	91	-0.02	6.43
27		1,1-dichloroethene	0.302	0.334	-10.6	102	0.00	6.63
28		acetone	0.039	0.043	-10.3	103	0.01	6.68
29		allyl chloride	0.204	0.240	-17.6	120	0.00	7.21
30		acetonitrile	0.045	0.045	0.0	105	0.01	7.16
31		iodomethane	0.627	0.652	-4.0	103	0.00	6.92
		----------	True	Calc.	% Drift	----------		
32		iso-butyl alcohol	500.000	536.115	-7.2	104	0.00	10.16
		----------	AvgRF	CCRF	% Dev	----------		
33		carbon disulfide	1.049	1.182	-12.7	105	-0.01	7.06
34		methylene chloride	0.357	0.377	-5.6	100	0.00	7.42
35		1-CHLOROPROPANE	0.708	0.656	7.3	98	0.00	7.46
36		methyl acetate	0.366	0.335	8.5	89	0.00	7.20
37		methyl tert butyl ether	1.011	1.043	-3.2	98	0.00	7.80

Initial Calibration Verification

Job Number: JB68318 **Sample:** V2C5480-ICV5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119198.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		trans-1,2-dichloroethene	0.333	0.341	-2.4	98	0.00	7.85
39		di-isopropyl ether	1.236	1.273	-3.0	100	0.00	8.49
40		2-butanone	0.053	0.056	-5.7	103	0.00	9.27
41		1,1-dichloroethane	0.615	0.692	-12.5	101	0.00	8.48
42		chloroprene	0.506	0.455	10.1	88	0.00	8.60
43		acrylonitrile	0.173	0.185	-6.9	101	0.00	7.79
44		vinyl acetate	0.068	0.074	-8.8	109	0.00	8.49
45		ethyl tert-butyl ether	1.082	1.135	-4.9	98	0.00	9.00
46		ethyl acetate	0.069	0.076	-10.1	111	0.00	9.31
47		2,2-dichloropropane	0.440	0.434	1.4	97	0.00	9.29
48		cis-1,2-dichloroethene	0.363	0.392	-8.0	101	0.00	9.30
49		propionitrile	0.068	0.075	-10.3	105	0.00	9.36
50		bromochloromethane	0.188	0.203	-8.0	102	0.00	9.63
51		tetrahydrofuran	0.178	0.173	2.8	102	0.00	9.67
52		chloroform	0.601	0.622	-3.5	101	0.00	9.70
53		t-butyl formate	0.303	0.324	-6.9	104	0.00	9.73
54	S	dibromofluoromethane (s)	0.339	0.335	1.2	101	0.00	9.91
55	S	1,2-dichloroethane-d4 (s)	0.395	0.388	1.8	100	0.00	10.35
56		freon 113	0.256	0.248	3.1	96	0.00	6.60
57		methacrylonitrile	0.277	0.289	-4.3	99	0.00	9.56
58		1,1,1-trichloroethane	0.463	0.502	-8.4	102	0.00	9.96
59		Cyclohexane	0.459	0.491	-7.0	102	0.00	10.04
60		tert amyl alcohol		----------NA----------				
61	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	10.83
62		Di-isobutylene		----------NA----------				
63		epichlorohydrin	0.038	0.043	-13.2	110	0.00	12.08
64		n-butyl alcohol	0.011	0.013	-18.2	123	0.00	10.98
65		carbon tetrachloride	0.350	0.386	-10.3	102	0.00	10.18
66		1,1-dichloropropene	0.359	0.383	-6.7	97	0.00	10.16
67		hexane	0.375	0.446	-18.9	114	0.00	8.20
68		tert amyl ethyl ether		----------NA----------				
69		iso-octane	0.768	0.689	10.3	87	0.00	10.45
70		benzene	1.104	1.160	-5.1	101	0.00	10.43
71		tert-amyl methyl ether	0.192	0.198	-3.1	100	0.00	10.49
72		heptane	0.303	0.280	7.6	87	0.00	10.64
73		isopropyl acetate	0.745	0.792	-6.3	107	0.00	10.38
74		1,2-dichloroethane	0.348	0.377	-8.3	100	0.00	10.44
75		trichloroethene	0.270	0.296	-9.6	102	0.00	11.18
76		2-nitropropane	0.142	0.136	4.2	105	0.00	11.94
77		2-chloroethyl vinyl ether	0.193	0.211	-9.3	102	0.00	11.97
78		methyl methacrylate	0.086	0.093	-8.1	103	0.00	11.46
79		1,2-dichloropropane	0.289	0.318	-10.0	101	0.00	11.43
80		dibromomethane	0.181	0.194	-7.2	99	0.00	11.59
81		methylcyclohexane	0.451	0.414	8.2	87	0.00	11.40
82		bromodichloromethane	0.364	0.409	-12.4	102	0.00	11.73
83		cis-1,3-dichloropropene	0.460	0.503	-9.3	99	0.00	12.18
84	S	toluene-d8 (s)	0.961	0.989	-2.9	101	0.00	12.47
85		4-methyl-2-pentanone	0.147	0.161	-9.5	104	0.00	12.28
86		toluene	0.623	0.681	-9.3	101	0.00	12.54
87		3-methyl-1-butanol	0.016	0.018	-12.5	116	0.00	12.32
88		trans-1,3-dichloropropene	0.424	0.453	-6.8	96	0.00	12.73
89		ethyl methacrylate	0.411	0.441	-7.3	99	0.00	12.73
90		1,1,2-trichloroethane	0.222	0.241	-8.6	101	0.00	12.93
91		2-hexanone	0.140	0.150	-7.1	105	0.00	13.11
92	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	13.91
93		tetrachloroethene	0.280	0.298	-6.4	102	0.00	13.10
94		1,3-dichloropropane	0.499	0.531	-6.4	101	0.00	13.11
95		butyl acetate	0.275	0.282	-2.5	103	0.00	13.19

Initial Calibration Verification

Job Number: JB68318 **Sample:** V2C5480-ICV5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119198.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

96		3,3-dimethyl-1-butanol	0.043	0.045	-4.7	109	0.00	13.28
97		dibromochloromethane	0.372	0.394	-5.9	100	0.00	13.36
98		1,2-dibromoethane	0.343	0.354	-3.2	100	0.00	13.50
99		BUTYL ETHER		----------NA----------				
100		chlorobenzene	0.827	0.891	-7.7	103	0.00	13.95
101		1,1,1,2-tetrachloroethane	0.322	0.334	-3.7	101	0.00	14.00
102		ethylbenzene	1.370	1.448	-5.7	101	0.00	14.00
103		m,p-xylene	0.535	0.557	-4.1	101	0.00	14.10
104		o-xylene	0.528	0.572	-8.3	102	0.00	14.50
105		styrene	0.893	0.972	-8.8	101	0.00	14.51
106		bromoform	0.317	0.329	-3.8	101	0.00	14.75
107	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	16.10
108		isopropylbenzene	2.558	2.803	-9.6	101	0.00	14.82
109	S	4-bromofluorobenzene (s)	0.807	0.812	-0.6	103	0.00	15.01
110		cyclohexanone	0.122	0.072	41.0#	63	0.00	14.96
111		bromobenzene	0.734	0.805	-9.7	102	0.00	15.19
112		1,1,2,2-tetrachloroethane	0.922	0.954	-3.5	99	0.00	15.10
113		trans-1,4-dichloro-2-bute	0.124	0.129	-4.0	99	0.00	15.14
114		1,2,3-trichloropropane	0.218	0.220	-0.9	100	0.00	15.17
115		n-propylbenzene	2.884	3.260	-13.0	106	0.00	15.20
116		2-chlorotoluene	0.645	0.699	-8.4	101	0.00	15.34
117		4-chlorotoluene	1.878	1.995	-6.2	101	0.00	15.43
118		1,3,5-trimethylbenzene	2.106	2.261	-7.4	101	0.00	15.35
119		tert-butylbenzene	1.860	2.047	-10.1	102	0.00	15.67
120		pentachloroethane	0.485	0.525	-8.2	101	0.00	15.74
121		1,2,4-trimethylbenzene	2.071	2.367	-14.3	107	0.00	15.71
122		sec-butylbenzene	2.808	3.052	-8.7	101	0.00	15.87
123		1,3-dichlorobenzene	1.362	1.460	-7.2	101	0.00	16.05
124		p-isopropyltoluene	2.326	2.604	-12.0	101	0.00	15.99
125		1,2,3-trimethylbenzene		----------NA----------				
126		1,4-dichlorobenzene	1.361	1.443	-6.0	101	0.00	16.12
127		1,2-dichlorobenzene	1.350	1.451	-7.5	102	0.00	16.49
128		n-butylbenzene	1.203	1.362	-13.2	104	0.00	16.37
129		1,2-dibromo-3-chloropropa	0.163	0.174	-6.7	104	0.00	17.22
130		1,3,5-trichlorobenzene	1.127	1.284	-13.9	105	0.00	17.42
131		1,2,4-trichlorobenzene	1.047	1.151	-9.9	103	0.00	18.04
132		hexachlorobutadiene	0.569	0.619	-8.8	101	0.00	18.16
133		naphthalene	2.429	2.576	-6.1	101	0.00	18.32
134		1,2,3-trichlorobenzene	0.963	1.070	-11.1	101	0.00	18.57
135		hexachloroethane	0.490	0.536	-9.4	101	0.00	16.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2C119193.D M2C5480.M Mon Jun 09 09:28:51 2014 RPT1

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V2C5484-CC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119272.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2c\v2c5484-5485\2C119272.D Vial: 2
Acq On : 9 Jun 2014 10:30 am Operator: toanp
Sample : cc5480-20 Inst : Instrument #1
Misc : MS68694,V2C5484,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2C5480.M (RTE Integrator)
Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
Last Update : Mon Jun 09 09:24:56 2014
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	114	-0.01	7.40
2		tertiary butyl alcohol	1.158	1.240	-7.1	118	0.00	7.54
3		ethanol	0.066	0.074	-12.1	119	0.03	6.05
4		1,4-dioxane	0.077	0.104	-35.1#	147	0.00	11.57
5	I	pentafluorobenzene	1.000	1.000	0.0	105	0.00	9.88
6		FREON 115		----------NA----------				
7		FREON 23		----------NA----------				
8		FREON 143A		----------NA----------				
9		FREON 152A		----------NA----------				
10		CHLOROTRIFLUOROETHENE		----------NA----------				
11		chlorodifluoromethane	0.382	0.327	14.4	84	0.00	3.75
12		dichlorodifluoromethane	0.406	0.403	0.7	102	0.00	3.74
13		FREON 114		----------NA----------				
14		FREON 142B		----------NA----------				
15		chloromethane	0.546	0.542	0.7	101	-0.03	4.05
16		vinyl chloride	0.485	0.483	0.4	97	-0.03	4.31
17		bromomethane	0.304	0.314	-3.3	102	0.00	5.00
18		chloroethane	0.220	0.226	-2.7	96	0.01	5.20
19		trichlorofluoromethane	0.525	0.495	5.7	96	0.00	5.72
20		pentane		----------NA----------				
21		ethyl ether	0.204	0.205	-0.5	102	0.00	6.17
22		2-CHLOROPROPANE	0.621	0.587	5.5	104	0.00	6.37
23		FREON 123		----------NA----------				
24		FREON 141B		----------NA----------				
25		FREON 123A		----------NA----------				
26		acrolein	0.104	0.077	26.0#	78	-0.01	6.43
27		1,1-dichloroethene	0.302	0.297	1.7	98	0.00	6.64
28		acetone	0.039	0.051	-30.8#	139	0.03	6.70
29		allyl chloride	0.204	0.189	7.4	97	0.00	7.21
30		acetonitrile	0.045	0.047	-4.4	109	0.04	7.19
31		iodomethane	0.627	0.604	3.7	102	0.00	6.92
		----------	True	Calc.	% Drift	----------		
32		iso-butyl alcohol	200.000	110.139	44.9#	61	0.00	10.15
		----------	AvgRF	CCRF	% Dev	----------		
33		carbon disulfide	1.049	1.063	-1.3	102	0.00	7.06
34		methylene chloride	0.357	0.358	-0.3	101	0.00	7.43
35		1-CHLOROPROPANE	0.708	0.688	2.8	100	0.00	7.46
36		methyl acetate	0.366	0.351	4.1	96	0.01	7.21
37		methyl tert butyl ether	1.011	1.061	-4.9	103	0.00	7.81

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V2C5484-CC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119272.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		trans-1,2-dichloroethene	0.333	0.329	1.2	100	0.00	7.85
39		di-isopropyl ether	1.236	1.238	-0.2	98	0.00	8.48
40		2-butanone	0.053	0.059	-11.3	116	0.02	9.28
41		1,1-dichloroethane	0.615	0.645	-4.9	100	0.00	8.48
42		chloroprene	0.506	0.465	8.1	93	0.00	8.60
43		acrylonitrile	0.173	0.180	-4.0	102	0.01	7.79
44		vinyl acetate	0.068	0.060	11.8	94	0.00	8.49
45		ethyl tert-butyl ether	1.082	1.125	-4.0	100	0.00	9.00
46		ethyl acetate	0.069	0.077	-11.6	106	0.00	9.31
47		2,2-dichloropropane	0.440	0.455	-3.4	106	0.00	9.30
48		cis-1,2-dichloroethene	0.363	0.374	-3.0	101	0.00	9.30
49		propionitrile	0.068	0.074	-8.8	108	0.00	9.36
50		bromochloromethane	0.188	0.195	-3.7	101	0.00	9.63
51		tetrahydrofuran	0.178	0.177	0.6	109	0.01	9.68
52		chloroform	0.601	0.608	-1.2	103	0.00	9.70
53		t-butyl formate	0.303	0.304	-0.3	97	0.00	9.74
54	S	dibromofluoromethane (s)	0.339	0.331	2.4	102	0.00	9.91
55	S	1,2-dichloroethane-d4 (s)	0.395	0.387	2.0	102	0.00	10.35
56		freon 113	0.256	0.222	13.3	93	0.00	6.61
57		methacrylonitrile	0.277	0.280	-1.1	104	0.01	9.57
58		1,1,1-trichloroethane	0.463	0.466	-0.6	100	0.00	9.97
59		Cyclohexane	0.459	0.435	5.2	96	0.00	10.04
60		tert amyl alcohol		----------NA----------				
61	I	1,4-difluorobenzene	1.000	1.000	0.0	99	0.00	10.83
62		Di-isobutylene		----------NA----------				
63		epichlorohydrin	0.038	0.044	-15.8	108	0.00	12.09
64		n-butyl alcohol	0.011	0.014	-27.3#	124	0.00	10.99
65		carbon tetrachloride	0.350	0.377	-7.7	99	0.00	10.18
66		1,1-dichloropropene	0.359	0.378	-5.3	96	0.00	10.16
67		hexane	0.375	0.345	8.0	86	0.00	8.20
68		tert amyl ethyl ether		----------NA----------				
69		iso-octane	0.768	0.818	-6.5	97	0.00	10.44
70		benzene	1.104	1.149	-4.1	100	0.00	10.43
71		tert-amyl methyl ether	0.192	0.216	-12.5	103	0.00	10.49
72		heptane	0.303	0.302	0.3	92	0.00	10.64
73		isopropyl acetate	0.745	0.764	-2.6	102	0.00	10.38
74		1,2-dichloroethane	0.348	0.404	-16.1	104	0.00	10.45
75		trichloroethene	0.270	0.287	-6.3	100	0.00	11.18
76		2-nitropropane	0.142	0.143	-0.7	101	0.00	11.94
77		2-chloroethyl vinyl ether	0.193	0.210	-8.8	99	0.00	11.97
78		methyl methacrylate	0.086	0.091	-5.8	100	0.00	11.47
79		1,2-dichloropropane	0.289	0.322	-11.4	103	0.00	11.43
80		dibromomethane	0.181	0.206	-13.8	103	0.00	11.59
81		methylcyclohexane	0.451	0.441	2.2	91	0.00	11.39
82		bromodichloromethane	0.364	0.415	-14.0	105	0.00	11.73
83		cis-1,3-dichloropropene	0.460	0.529	-15.0	104	0.00	12.18
84	S	toluene-d8 (s)	0.961	1.042	-8.4	104	0.00	12.46
85		4-methyl-2-pentanone	0.147	0.162	-10.2	106	0.00	12.28
86		toluene	0.623	0.683	-9.6	100	0.00	12.54
87		3-methyl-1-butanol	0.016	0.019	-18.7	117	0.00	12.32
88		trans-1,3-dichloropropene	0.424	0.499	-17.7	106	0.00	12.73
89		ethyl methacrylate	0.411	0.443	-7.8	102	0.00	12.73
90		1,1,2-trichloroethane	0.222	0.248	-11.7	103	0.00	12.93
91		2-hexanone	0.140	0.154	-10.0	108	0.00	13.11
92	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	13.91
93		tetrachloroethene	0.280	0.295	-5.4	99	0.00	13.11
94		1,3-dichloropropane	0.499	0.570	-14.2	105	0.00	13.11
95		butyl acetate	0.275	0.293	-6.5	104	0.00	13.19

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V2C5484-CC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119272.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

96		3,3-dimethyl-1-butanol	0.043	0.048	-11.6	110	0.00	13.27
97		dibromochloromethane	0.372	0.420	-12.9	106	0.00	13.36
98		1,2-dibromoethane	0.343	0.372	-8.5	105	0.00	13.50
99		BUTYL ETHER		----------NA----------				
100		chlorobenzene	0.827	0.926	-12.0	105	0.00	13.95
101		1,1,1,2-tetrachloroethane	0.322	0.361	-12.1	106	0.00	14.00
102		ethylbenzene	1.370	1.526	-11.4	102	0.00	14.00
103		m,p-xylene	0.535	0.588	-9.9	103	0.00	14.10
104		o-xylene	0.528	0.592	-12.1	103	0.00	14.50
105		styrene	0.893	1.008	-12.9	103	0.00	14.51
106		bromoform	0.317	0.353	-11.4	110	0.00	14.75
107	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	16.10
108		isopropylbenzene	2.558	2.798	-9.4	102	0.00	14.82
109	S	4-bromofluorobenzene (s)	0.807	0.824	-2.1	103	0.00	15.01
110		cyclohexanone	0.122	0.185	-51.6#	175	0.00	14.96
111		bromobenzene	0.734	0.826	-12.5	104	0.00	15.19
112		1,1,2,2-tetrachloroethane	0.922	1.033	-12.0	109	0.00	15.10
113		trans-1,4-dichloro-2-bute	0.124	0.138	-11.3	111	0.00	15.14
114		1,2,3-trichloropropane	0.218	0.243	-11.5	112	0.00	15.17
115		n-propylbenzene	2.884	3.145	-9.0	102	0.00	15.20
116		2-chlorotoluene	0.645	0.706	-9.5	105	0.00	15.34
117		4-chlorotoluene	1.878	2.088	-11.2	106	0.00	15.43
118		1,3,5-trimethylbenzene	2.106	2.322	-10.3	104	0.00	15.35
119		tert-butylbenzene	1.860	2.007	-7.9	103	0.00	15.67
120		pentachloroethane	0.485	0.540	-11.3	106	0.00	15.74
121		1,2,4-trimethylbenzene	2.071	2.321	-12.1	104	0.00	15.71
122		sec-butylbenzene	2.808	3.028	-7.8	102	0.00	15.87
123		1,3-dichlorobenzene	1.362	1.541	-13.1	108	0.00	16.04
124		p-isopropyltoluene	2.326	2.581	-11.0	104	0.00	15.99
125		1,2,3-trimethylbenzene		----------NA----------				
126		1,4-dichlorobenzene	1.361	1.500	-10.2	107	0.00	16.12
127		1,2-dichlorobenzene	1.350	1.509	-11.8	108	0.00	16.49
128		n-butylbenzene	1.203	1.309	-8.8	104	0.00	16.37
129		1,2-dibromo-3-chloropropa	0.163	0.181	-11.0	108	0.00	17.22
130		1,3,5-trichlorobenzene	1.127	1.294	-14.8	108	0.00	17.42
131		1,2,4-trichlorobenzene	1.047	1.156	-10.4	107	0.00	18.04
132		hexachlorobutadiene	0.569	0.632	-11.1	103	0.00	18.16
133		naphthalene	2.429	2.665	-9.7	108	0.00	18.32
134		1,2,3-trichlorobenzene	0.963	1.103	-14.5	108	0.00	18.56
135		hexachloroethane	0.490	0.532	-8.6	106	0.00	16.73

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

2C119192.D M2C5480.M Tue Jun 10 15:02:46 2014 RPT1

Initial Calibration Summary

Job Number: JB68318 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3V

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

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

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

Initial Calibration Summary

Job Number: JB68318 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

22)	carbon disulfide										
		2.381	2.519	2.626	2.606	2.086	2.573	2.751	2.312	2.626	2.498	8.16
23)	methylene chloride										
		0.827	0.734	0.740		0.745	0.794	0.940	0.785	0.795		9.11
24)	1-chloropropane										
		1.415	0.938	0.925		0.893	1.130		1.190	1.082		18.76
25)	methyl acetate										
		0.064	0.071	0.074		0.069	0.079		0.067	0.071		7.46
26)	methyl tert butyl ether										
		1.442	1.652	1.708	1.736	1.318	1.757	1.855	1.506	1.678	1.628	10.54
27)	trans-1,2-dichloroethene										
		0.817	0.715	0.697	0.693	0.693	0.683	0.743	0.692	0.715	0.716	5.83
28)	di-isopropyl ether										
		1.584	1.774	1.808	1.850	1.401	1.828	1.787	1.548	1.816	1.711	9.28
29)	ethyl tert-butyl ether										
		1.437	1.733	1.850	1.927	1.426	1.922	1.819	1.519	1.809	1.716	11.76
30)	2-butanone										
		0.042	0.055	0.059		0.061	0.066		0.051	0.056		15.43
31)	1,1-dichloroethane										
		0.925	1.162	1.154	1.163	0.866	1.158	1.238	1.016	1.191	1.097	11.77
32)	chloroprene										
		0.727	0.781	0.808	0.526	0.771	0.769	0.648	0.760	0.724		12.88
33)	acrylonitrile										
		0.160	0.161	0.162		0.157	0.189	0.139	0.160	0.161		9.00
34)	vinyl acetate										
		0.049	0.066	0.071		0.068	0.067		0.054	0.062		13.90
35)	ethyl acetate										
		0.051	0.053	0.056		0.052	0.061		0.056	0.055		6.65
36)	2,2-dichloropropane										
		0.982	1.141	1.178	1.158	0.903	1.155	1.218	1.076	1.176	1.110	9.34
37)	cis-1,2-dichloroethene										
		1.098	0.783	0.751	0.752	0.843	0.762	0.807	0.820	0.734	0.817	13.65
38)	propionitrile										
		0.072	0.069	0.069		0.067	0.082		0.069	0.071		7.45
39)	methyl acrylate										
		0.454	0.451	0.465		0.457	0.524		0.443	0.466		6.36
40)	bromochloromethane										
		0.344	0.352	0.364	0.240	0.366	0.380	0.307	0.342	0.337		13.28
41)	tetrahydrofuran										
		0.140	0.145	0.146		0.139	0.171		0.151	0.149		7.78
42)	chloroform										
		1.347	1.186	1.179	1.179	1.084	1.201	1.241	1.111	1.194	1.191	6.32
43)	dibromofluoromethane (s)										
		0.805	0.585	0.620	0.624	0.595	0.644	0.628	0.570	0.622	0.633	10.87
44)	1,2-dichloroethane-d4 (s)										
		0.697	0.510	0.541	0.542	0.509	0.550	0.564	0.524	0.550	0.554	10.23
45)	freon 113										
		0.614	0.623	0.637		0.588	0.617	0.504	0.645	0.604		7.90
46)	methacrylonitrile										
		0.228	0.227	0.232		0.229	0.259	0.221	0.221	0.231		5.57
47)	1,1,1-trichloroethane										
		1.002	1.112	1.182	1.173	0.911	1.164	1.218	1.039	1.180	1.109	9.29
48)	tert-amyl methyl ether										
		1.709	1.729	1.781	1.880	1.395	1.884	1.793	1.493	1.763	1.714	9.69
49)	I 1,4-difluorobenzene	----------ISTD----------										
50)	epichlorohydrin										
		0.028	0.027	0.028		0.027	0.030		0.027	0.028		3.66
51)	n-butyl alcohol										
		0.011	0.011	0.012		0.011	0.013	0.009	0.011	0.011		9.92

Initial Calibration Summary

Job Number: JB68318 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

52)	cyclohexane											
		0.677	0.695	0.694	0.496	0.679	0.715	0.562	0.698	0.652	12.07	
53)	carbon tetrachloride											
		0.566	0.680	0.721	0.710	0.529	0.694	0.724	0.612	0.711	0.661	11.04
54)	1,1-dichloropropene											
		0.465	0.521	0.554	0.552	0.432	0.550	0.565	0.478	0.554	0.519	9.34
55)	hexane											
		0.428	0.427	0.441	0.367	0.406	0.428	0.364	0.443	0.413	7.60	
56)	ISOOCTANE											
		1.372	1.585	1.687		1.654	1.444	1.113	1.449	1.472	13.37	
57)	benzene											
	1.518	1.530	1.596	1.610	1.608	1.376	1.616	1.654	1.466	1.609	1.558	5.50
58)	heptane											
		0.266	0.271	0.276	0.175	0.257	0.278	0.222	0.271	0.252	14.28	
59)	isopropyl acetate											
		0.736	0.749	0.764		0.720	0.773	0.667	0.740	0.736	4.77	
60)	1,2-dichloroethane											
		0.403	0.457	0.461	0.465	0.352	0.464	0.485	0.395	0.451	0.437	10.01
61)	trichloroethene											
		0.376	0.417	0.433	0.431	0.335	0.431	0.444	0.364	0.429	0.407	9.44
62)	ethyl acrylate											
											0.000	-1.00
63)	2-nitropropane											
		0.515	0.522	0.532		0.510	0.543		0.499	0.520	2.99	
64)	2-chloroethyl vinyl ether											
		0.126	0.150	0.156	0.160	0.107	0.154	0.159	0.125	0.148	0.143	13.00
65)	methyl methacrylate											
		0.271	0.272	0.274	0.222	0.256	0.266	0.232	0.273	0.258	7.85	
66)	1,2-dichloropropane											
		0.344	0.387	0.397	0.393	0.305	0.403	0.411	0.347	0.385	0.375	9.37
67)	methylcyclohexane											
		0.672	0.733	0.749	0.507	0.707	0.692	0.596	0.713	0.671	12.07	
68)	dibromomethane											
		0.243	0.250	0.252	0.171	0.251	0.263	0.213	0.242	0.236	12.57	
69)	bromodichloromethane											
		0.459	0.501	0.537	0.541	0.395	0.554	0.544	0.440	0.514	0.498	11.08
70)	cis-1,3-dichloropropene											
		0.481	0.554	0.601	0.602	0.436	0.626	0.610	0.503	0.573	0.554	11.97
71)	toluene-d8 (s)											
		1.467	1.153	1.270	1.248	1.099	1.274	1.249	1.117	1.268	1.238	8.89
72)	4-methyl-2-pentanone											
		0.110	0.117	0.119		0.116	0.133	0.101	0.111	0.115	8.59	
73)	toluene											
	1.038	0.943	0.873	0.922	0.911	0.786	0.930	0.939	0.845	0.909	0.910	7.32
74)	3-methyl-1-butanol											
		0.009	0.010	0.011		0.010	0.011	0.008	0.009	0.010	11.34	
75)	trans-1,3-dichloropropene											
		0.382	0.491	0.514	0.512	0.365	0.528	0.536	0.432	0.481	0.471	13.46
76)	ethyl methacrylate											
		0.333	0.362	0.371		0.377	0.388	0.293	0.334	0.351	9.38	
77)	1,1,2-trichloroethane											
		0.206	0.271	0.271	0.267	0.206	0.277	0.282	0.247	0.265	0.255	11.51
78)	2-hexanone											
		0.098	0.102	0.103		0.109	0.121		0.097	0.105	8.44	
79)	I chlorobenzene-d5	----------ISTD----------										
80)	tetrachloroethene											
		0.398	0.472	0.489	0.501	0.375	0.490	0.514	0.453	0.484	0.464	10.20
81)	1,3-dichloropropane											
		0.392	0.488	0.498	0.495	0.365	0.505	0.536	0.458	0.490	0.470	11.93

Initial Calibration Summary

Job Number: JB68318 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB68318 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Verification

Job Number: JB68318 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

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

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	105	-0.01	7.30
2		1,4-dioxane	0.127	0.140	-10.2	111	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.384	-3.4	108	-0.02	7.44
5	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	9.79
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	50.000	39.671	20.7	85	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.382	-4.1	108	0.00	3.54
8		chloromethane	1.143	1.190	-4.1	110	0.02	3.87
9		vinyl chloride	1.231	1.303	-5.8	110	0.00	4.13
10		bromomethane	0.781	0.767	1.8	105	0.01	4.82
11		chloroethane	0.406	0.419	-3.2	108	0.00	4.99
12		trichlorofluoromethane	1.355	1.417	-4.6	110	0.00	5.51
13		ethyl ether	0.251	0.257	-2.4	109	0.00	5.96
14		2-chloropropane	0.971	0.933	3.9	103	0.01	6.19
15		acrolein	0.101	0.097	4.0	115	0.00	6.29
16		1,1-dichloroethene	0.677	0.644	4.9	104	0.00	6.44
17		acetone	0.177	0.127	28.2	90	0.00	6.55
18		allyl chloride	0.309	0.338	-9.4	119	0.00	7.05
19		acetonitrile	0.044	0.043	2.3	110	0.00	7.06
20		iodomethane	1.414	1.398	1.1	102	0.00	6.75
21		iso-butyl alcohol	0.019	0.019	0.0	113	0.00	10.15
22		carbon disulfide	2.498	2.538	-1.6	104	0.00	6.86
23		methylene chloride	0.795	0.718	9.7	105	0.00	7.29
24		1-chloropropane	1.082	0.911	15.8	105	0.00	7.30
25		methyl acetate	0.071	0.063	11.3	96	0.00	7.05
26		methyl tert butyl ether	1.628	1.645	-1.7	104	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.658	8.1	102	0.00	7.70
28		di-isopropyl ether	1.711	1.795	-4.9	107	0.00	8.34
29		ethyl tert-butyl ether	1.716	1.802	-5.0	105	0.00	8.86
30		2-butanone	0.056	0.052	7.1	102	0.01	9.19
31	M	1,1-dichloroethane	1.097	1.143	-4.2	107	0.00	8.36
32		chloroprene	0.724	0.682	5.8	94	0.00	8.48
33		acrylonitrile	0.161	0.158	1.9	106	0.00	7.70
34		vinyl acetate	0.062	0.069	-11.3	114	0.00	8.37
35		ethyl acetate	0.055	0.053	3.6	107	0.00	9.20
36		2,2-dichloropropane	1.110	1.141	-2.8	104	0.00	9.19
37		cis-1,2-dichloroethene	0.817	0.720	11.9	103	0.00	9.20

Initial Calibration Verification

Job Number: JB68318 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Verification

Job Number: JB68318 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V3V491-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11522.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11522.D Vial: 3
Acq On : 7 Jun 2014 12:29 pm Operator: thienn
Sample : cc474-20 Inst : MS3V
Misc : MS68397,V3V491,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	90	0.00	7.30
2		1,4-dioxane	0.127	0.130	-2.4	96	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.375	-2.7	92	-0.02	7.43
5	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	20.000	16.695	16.5	100	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.346	-1.4	106	0.00	3.54
8		chloromethane	1.143	1.251	-9.4	119	0.00	3.85
9		vinyl chloride	1.231	1.300	-5.6	113	0.00	4.12
10		bromomethane	0.781	0.795	-1.8	107	0.00	4.80
11		chloroethane	0.406	0.431	-6.2	107	0.00	4.99
12		trichlorofluoromethane	1.355	1.270	6.3	98	0.00	5.51
13		ethyl ether	0.251	0.268	-6.8	105	0.00	5.97
14		2-chloropropane	0.971	1.091	-12.4	117	0.00	6.18
15		acrolein	0.101	0.112	-10.9	113	0.00	6.28
16		1,1-dichloroethene	0.677	0.635	6.2	97	0.00	6.42
17		acetone	0.177	0.192	-8.5	97	0.00	6.54
18		allyl chloride	0.309	0.294	4.9	96	0.00	7.05
19		acetonitrile	0.044	0.048	-9.1	110	0.00	7.06
20		iodomethane	1.414	1.391	1.6	98	0.00	6.74
21		iso-butyl alcohol	0.019	0.021	-10.5	103	-0.02	10.13
22		carbon disulfide	2.498	2.563	-2.6	102	0.00	6.86
23		methylene chloride	0.795	0.776	2.4	107	0.00	7.28
24		1-chloropropane	1.082	1.118	-3.3	108	0.00	7.30
25		methyl acetate	0.071	0.070	1.4	96	0.00	7.05
26		methyl tert butyl ether	1.628	1.754	-7.7	103	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.664	7.3	97	0.00	7.69
28		di-isopropyl ether	1.711	1.899	-11.0	116	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.800	-4.9	108	0.00	8.86
30		2-butanone	0.056	0.053	5.4	87	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.212	-10.5	107	0.00	8.36
32		chloroprene	0.724	0.744	-2.8	105	0.00	8.47
33		acrylonitrile	0.161	0.182	-13.0	105	0.00	7.70
34		vinyl acetate	0.062	0.059	4.8	96	0.00	8.36
35		ethyl acetate	0.055	0.057	-3.6	102	-0.01	9.19
36		2,2-dichloropropane	1.110	1.099	1.0	98	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.712	12.9	96	0.00	9.19

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V3V491-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11522.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.076	-7.0	101	-0.01	9.31
39		methyl acrylate	0.466	0.497	-6.7	103	0.00	9.28
40		bromochloromethane	0.337	0.329	2.4	95	0.00	9.54
41		tetrahydrofuran	0.149	0.168	-12.8	107	0.00	9.57
42		chloroform	1.191	1.144	3.9	100	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.547	13.6	95	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.489	11.7	95	0.00	10.28
45		freon 113	0.604	0.544	9.9	96	0.00	6.41
46		methacrylonitrile	0.231	0.260	-12.6	110	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.104	0.5	99	0.00	9.85
48		tert-amyl methyl ether	1.714	1.647	3.9	100	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	10.75
50		epichlorohydrin	0.028	0.030	-7.1	102	0.00	12.07
51		n-butyl alcohol	0.011	0.012	-9.1	94	0.00	10.94
52	M	cyclohexane	0.652	0.693	-6.3	98	0.00	9.91
53		carbon tetrachloride	0.661	0.695	-5.1	97	0.00	10.06
54		1,1-dichloropropene	0.519	0.563	-8.5	101	0.00	10.04
55		hexane	0.413	0.444	-7.5	105	0.00	8.02
56		ISOOCTANE	1.472	1.424	3.3	100	0.00	10.30
57	M	benzene	1.558	1.677	-7.6	103	0.00	10.33
58		heptane	0.252	0.266	-5.6	97	0.00	10.50
59		isopropyl acetate	0.736	0.787	-6.9	103	0.00	10.29
60		1,2-dichloroethane	0.437	0.489	-11.9	102	0.00	10.37
61		trichloroethene	0.407	0.431	-5.9	98	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.678	-30.4#	127	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.192	-34.3#	123	0.00	11.94
65		methyl methacrylate	0.258	0.295	-14.3	113	0.00	11.28
66		1,2-dichloropropane	0.375	0.424	-13.1	105	0.00	11.37
67		methylcyclohexane	0.671	0.681	-1.5	100	0.00	11.28
68		dibromomethane	0.236	0.251	-6.4	97	0.00	11.54
69		bromodichloromethane	0.498	0.542	-8.8	101	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.621	-12.1	103	0.00	12.15
71	S	toluene-d8 (s)	1.238	1.283	-3.6	104	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.131	-13.9	100	0.00	12.25
73		toluene	0.910	0.938	-3.1	101	0.00	12.49
74		3-methyl-1-butanol	0.010	0.010	0.0	88	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.538	-14.2	102	0.00	12.72
76		ethyl methacrylate	0.351	0.394	-12.3	103	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.274	-7.5	98	0.00	12.94
78		2-hexanone	0.105	0.115	-9.5	97	0.00	13.12
79	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	13.96
80		tetrachloroethene	0.464	0.479	-3.2	93	0.00	13.07
81		1,3-dichloropropane	0.470	0.542	-15.3	101	0.00	13.12
82		butyl acetate	0.194	0.219	-12.9	96	0.00	13.18
83		dibromochloromethane	0.430	0.456	-6.0	97	0.00	13.39
84		1,2-dibromoethane	0.336	0.376	-11.9	97	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.245	-10.5	100	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.497	-7.6	98	0.00	14.07
88		ethylbenzene	1.964	2.157	-9.8	103	0.00	14.05
89		m,p-xylene	0.770	0.814	-5.7	100	0.00	14.16
90		o-xylene	0.748	0.843	-12.7	101	0.00	14.60
91		styrene	1.141	1.331	-16.7	101	0.00	14.61
92		bromoform	0.314	0.333	-6.1	94	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	16.32
94		isopropylbenzene	3.160	3.565	-12.8	99	0.00	14.94

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V3V491-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11522.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.922	-5.1	101	0.00	15.17
96		bromobenzene	0.872	0.945	-8.4	97	0.00	15.36
97		cyclohexanone	0.123	0.088	28.5#	52	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.938	-15.0	97	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.222	-22.0#	107	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.203	-15.3	97	0.00	15.36
101		n-propylbenzene	3.811	4.409	-15.7	102	0.00	15.36
102		2-chlorotoluene	0.819	0.928	-13.3	98	0.00	15.51
103		4-chlorotoluene	2.362	2.698	-14.2	102	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.117	-13.8	100	0.00	15.52
105		tert-butylbenzene	2.254	2.290	-1.6	94	0.00	15.86
106		pentachloroethane	0.587	0.603	-2.7	96	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.209	-10.7	100	0.00	15.91
108		sec-butylbenzene	3.759	4.107	-9.3	97	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.990	-7.8	97	0.00	16.27
110		p-isopropyltoluene	3.109	3.497	-12.5	97	0.00	16.19
111		1,4-dichlorobenzene	1.863	1.957	-5.0	96	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.943	-6.6	96	0.00	16.73
113		n-butylbenzene	1.776	1.984	-11.7	96	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.189	-3.3	94	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.917	-5.1	95	0.00	17.62
116		1,2,4-trichlorobenzene	1.708	1.779	-4.2	95	0.00	18.21
117		hexachlorobutadiene	0.890	0.886	0.4	89	0.00	18.30
118		naphthalene	3.405	3.539	-3.9	92	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.649	-3.3	93	0.00	18.69
120		hexachloroethane	0.672	0.672	0.0	97	0.00	16.96
121		Benzyl chloride	1.615	1.587	1.7	89	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11189.D M3V474.M Tue Jun 10 16:41:51 2014 GCMS3V

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V3V492-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11546.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11546.D Vial: 2
Acq On : 9 Jun 2014 9:30 am Operator: thienn
Sample : cc474-50 Inst : MS3V
Misc : MS68601,V3V492,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	99	-0.01	7.30
2		1,4-dioxane	0.127	0.120	5.5	89	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.321	1.3	96	-0.02	7.44
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	50.000	54.655	-9.3	107	0.02	3.56
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.231	7.3	90	0.01	3.55
8		chloromethane	1.143	1.138	0.4	99	0.02	3.87
9		vinyl chloride	1.231	1.224	0.6	97	0.02	4.14
10		bromomethane	0.781	0.762	2.4	98	0.02	4.82
11		chloroethane	0.406	0.512	-26.1#	125	0.00	4.99
12		trichlorofluoromethane	1.355	1.354	0.1	99	0.00	5.52
13		ethyl ether	0.251	0.252	-0.4	101	0.00	5.97
14		2-chloropropane	0.971	1.110	-14.3	116	0.00	6.18
15		acrolein	0.101	0.115	-13.9	128	0.00	6.28
16		1,1-dichloroethene	0.677	0.638	5.8	97	0.00	6.43
17		acetone	0.177	0.183	-3.4	123	0.00	6.55
18		allyl chloride	0.309	0.295	4.5	98	0.00	7.05
19		acetonitrile	0.044	0.045	-2.3	108	0.00	7.06
20		iodomethane	1.414	1.382	2.3	95	0.00	6.74
21		iso-butyl alcohol	0.019	0.019	0.0	106	0.00	10.14
22		carbon disulfide	2.498	2.635	-5.5	102	0.00	6.86
23		methylene chloride	0.795	0.740	6.9	102	0.00	7.28
24		1-chloropropane	1.082	1.071	1.0	116	0.00	7.30
25		methyl acetate	0.071	0.070	1.4	101	0.00	7.05
26		methyl tert butyl ether	1.628	1.742	-7.0	104	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.665	7.1	97	0.00	7.70
28		di-isopropyl ether	1.711	1.919	-12.2	108	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.839	-7.2	101	0.00	8.86
30		2-butanone	0.056	0.058	-3.6	106	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.205	-9.8	106	0.00	8.36
32		chloroprene	0.724	0.804	-11.0	105	0.00	8.47
33		acrylonitrile	0.161	0.177	-9.9	112	0.00	7.69
34		vinyl acetate	0.062	0.058	6.5	90	0.00	8.37
35		ethyl acetate	0.055	0.057	-3.6	108	0.00	9.20
36		2,2-dichloropropane	1.110	1.219	-9.8	105	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.711	13.0	96	0.00	9.19

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V3V492-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11546.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.074	-4.2	109	-0.01	9.31
39		methyl acrylate	0.466	0.485	-4.1	109	0.00	9.28
40		bromochloromethane	0.337	0.335	0.6	97	0.00	9.54
41		tetrahydrofuran	0.149	0.162	-8.7	114	0.00	9.57
42		chloroform	1.191	1.168	1.9	101	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.576	9.0	94	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.517	6.7	97	0.00	10.28
45		freon 113	0.604	0.566	6.3	92	0.00	6.41
46		methacrylonitrile	0.231	0.253	-9.5	113	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.164	-5.0	100	0.00	9.85
48		tert-amyl methyl ether	1.714	1.685	1.7	96	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	10.75
50		epichlorohydrin	0.028	0.029	-3.6	103	0.00	12.07
51		n-butyl alcohol	0.011	0.012	-9.1	98	0.00	10.93
52	M	cyclohexane	0.652	0.721	-10.6	100	0.00	9.91
53		carbon tetrachloride	0.661	0.739	-11.8	99	0.00	10.06
54		1,1-dichloropropene	0.519	0.579	-11.6	101	0.00	10.04
55		hexane	0.413	0.477	-15.5	108	0.00	8.02
56		ISOOCTANE	1.472	1.656	-12.5	101	0.00	10.31
57	M	benzene	1.558	1.674	-7.4	101	0.00	10.33
58		heptane	0.252	0.287	-13.9	102	0.00	10.50
59		isopropyl acetate	0.736	0.820	-11.4	106	0.00	10.29
60		1,2-dichloroethane	0.437	0.499	-14.2	105	0.00	10.37
61		trichloroethene	0.407	0.435	-6.9	97	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.675	-29.8#	125	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.192	-34.3#	119	0.00	11.94
65		methyl methacrylate	0.258	0.312	-20.9#	111	0.00	11.29
66		1,2-dichloropropane	0.375	0.424	-13.1	103	0.00	11.37
67		methylcyclohexane	0.671	0.733	-9.2	97	0.00	11.29
68		dibromomethane	0.236	0.253	-7.2	98	0.00	11.54
69		bromodichloromethane	0.498	0.552	-10.8	99	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.622	-12.3	100	0.00	12.15
71	S	toluene-d8 (s)	1.238	1.287	-4.0	98	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.126	-9.6	104	0.00	12.25
73		toluene	0.910	0.922	-1.3	97	0.00	12.49
74		3-methyl-1-butanol	0.010	0.009	10.0	89	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.544	-15.5	102	0.00	12.72
76		ethyl methacrylate	0.351	0.391	-11.4	105	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.274	-7.5	98	0.00	12.94
78		2-hexanone	0.105	0.116	-10.5	110	0.00	13.12
79	I	chlorobenzene-d5	1.000	1.000	0.0	95	0.00	13.96
80		tetrachloroethene	0.464	0.486	-4.7	95	0.00	13.07
81		1,3-dichloropropane	0.470	0.529	-12.6	101	0.00	13.12
82		butyl acetate	0.194	0.208	-7.2	101	0.00	13.18
83		dibromochloromethane	0.430	0.459	-6.7	95	0.00	13.39
84		1,2-dibromoethane	0.336	0.367	-9.2	97	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.207	-7.1	96	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.504	-9.1	95	0.00	14.07
88		ethylbenzene	1.964	2.121	-8.0	99	0.00	14.05
89		m,p-xylene	0.770	0.798	-3.6	95	0.00	14.16
90		o-xylene	0.748	0.833	-11.4	95	0.00	14.60
91		styrene	1.141	1.314	-15.2	97	0.00	14.61
92		bromoform	0.314	0.340	-8.3	97	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	92	0.00	16.32
94		isopropylbenzene	3.160	3.633	-15.0	97	0.00	14.94

Continuing Calibration Summary

Job Number: JB68318 **Sample:** V3V492-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11546.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.923	-5.2	98	0.00	15.17
96		bromobenzene	0.872	0.934	-7.1	94	0.00	15.36
97		cyclohexanone	0.123	0.118	4.1	102	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.900	-10.3	98	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.221	-21.4#	113	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.190	-8.0	96	0.00	15.36
101		n-propylbenzene	3.811	4.363	-14.5	98	0.00	15.36
102		2-chlorotoluene	0.819	0.915	-11.7	94	0.00	15.51
103		4-chlorotoluene	2.362	2.603	-10.2	98	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.150	-15.0	96	0.00	15.52
105		tert-butylbenzene	2.254	2.418	-7.3	93	0.00	15.86
106		pentachloroethane	0.587	0.639	-8.9	94	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.198	-10.4	97	0.00	15.91
108		sec-butylbenzene	3.759	4.249	-13.0	95	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.944	-5.3	94	0.00	16.27
110		p-isopropyltoluene	3.109	3.595	-15.6	95	0.00	16.19
111		1,4-dichlorobenzene	1.863	1.937	-4.0	94	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.925	-5.6	95	0.00	16.73
113		n-butylbenzene	1.776	2.039	-14.8	98	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.187	-2.2	99	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.933	-6.0	93	0.00	17.62
116		1,2,4-trichlorobenzene	1.708	1.784	-4.4	91	0.00	18.21
117		hexachlorobutadiene	0.890	0.948	-6.5	90	0.00	18.30
118		naphthalene	3.405	3.493	-2.6	93	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.657	-3.8	90	0.00	18.69
120		hexachloroethane	0.672	0.735	-9.4	96	0.00	16.96
121		Benzyl chloride	1.615	1.766	-9.3	98	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11190.D M3V474.M Tue Jun 10 17:02:48 2014 GCMS3V

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11526.D
Acq On : 7 Jun 2014 2:38 pm
Operator : thienn
Sample : jb68318-1
Misc : MS68601,V3V491,4.1,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 10 16:44:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

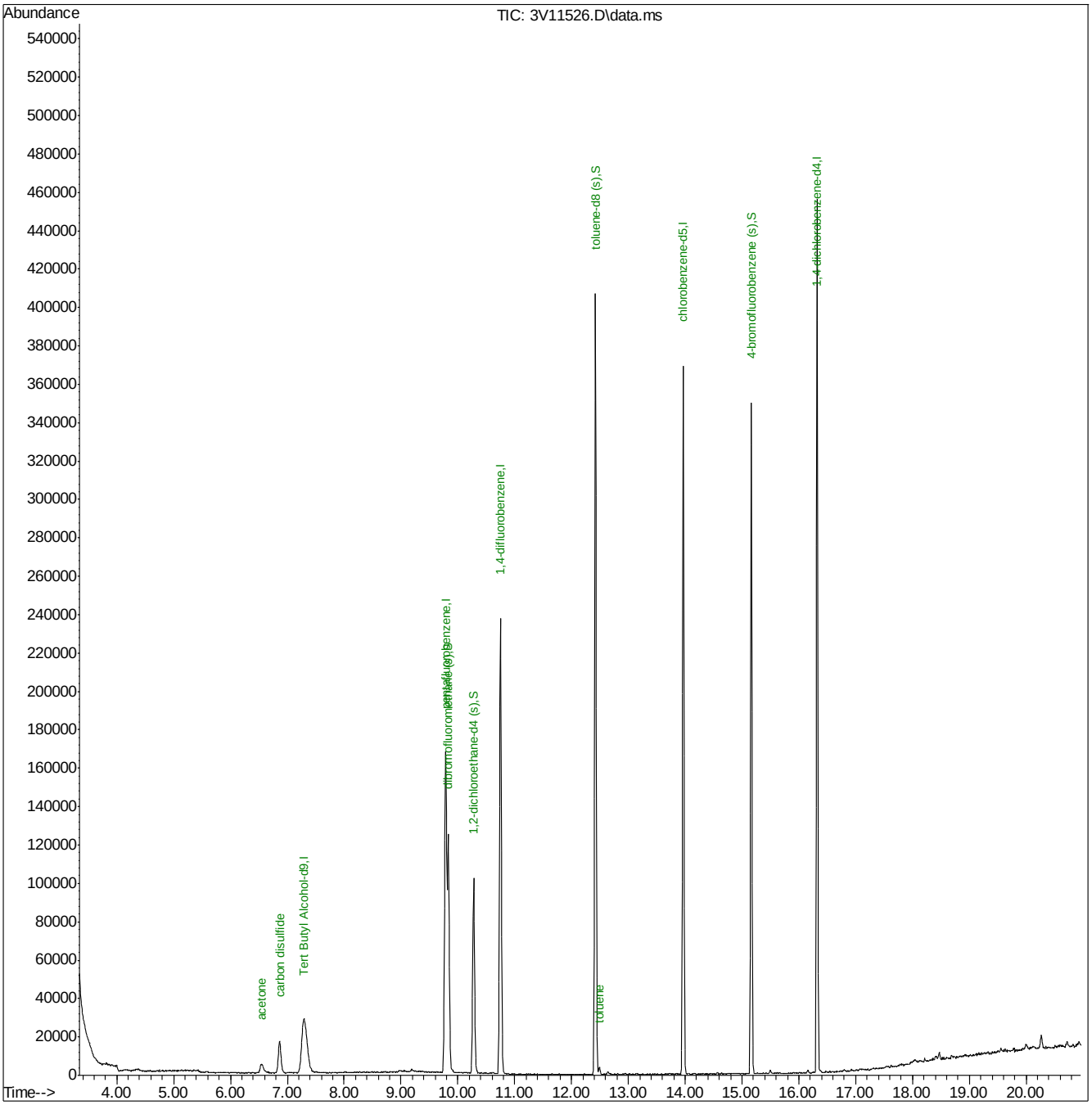
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	103551	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	160244	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	228567	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	205437	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	115692	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	93268	46.00	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 92.00%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	86303	48.61	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 97.22%			
71) toluene-d8 (s)	12.418	98	287820	50.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.68%			
95) 4-bromofluorobenzene (s)	15.165	95	116865	57.61	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.22%			
Target Compounds						Qvalue
17) acetone	6.551	43	14792	26.08	ug/L	96
22) carbon disulfide	6.865	76	41065	5.13	ug/L	100
73) toluene	12.491	92	1667	0.40	ug/L	94

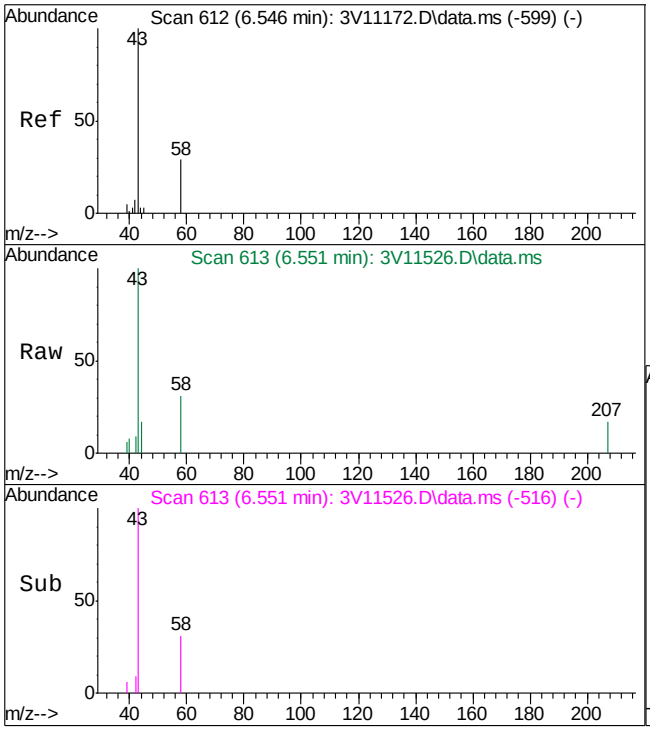
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11526.D
Acq On : 7 Jun 2014 2:38 pm
Operator : thienn
Sample : jb68318-1
Misc : MS68601,V3V491,4.1,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 10 16:44:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

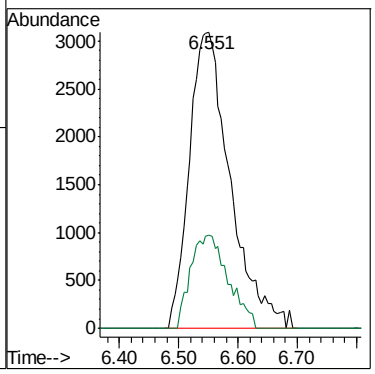


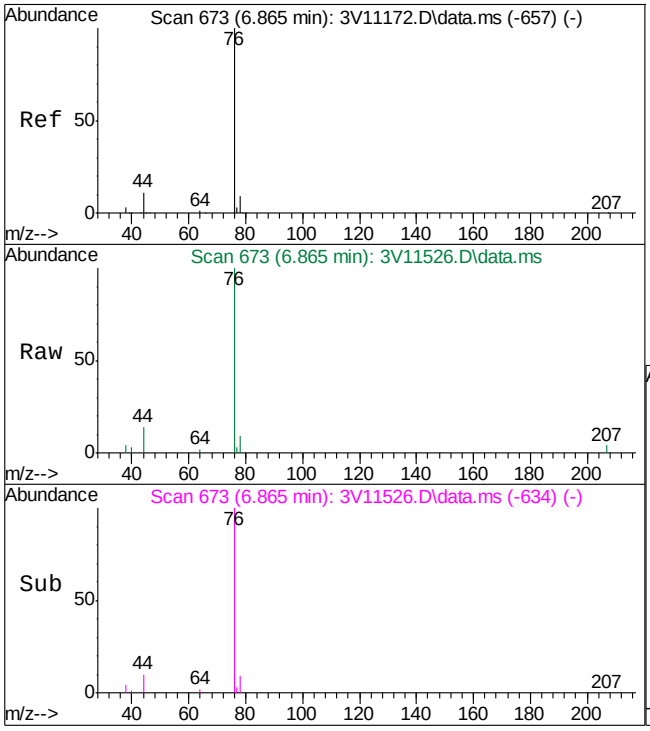


#17
acetone
Concen: 26.08 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11526.D
Acq: 7 Jun 2014 2:38 pm

Tgt Ion: 43 Resp: 14792

Ion	Ratio	Lower	Upper
43	100		
58	31.5	3.8	63.8

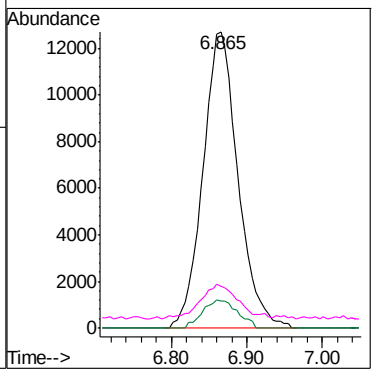


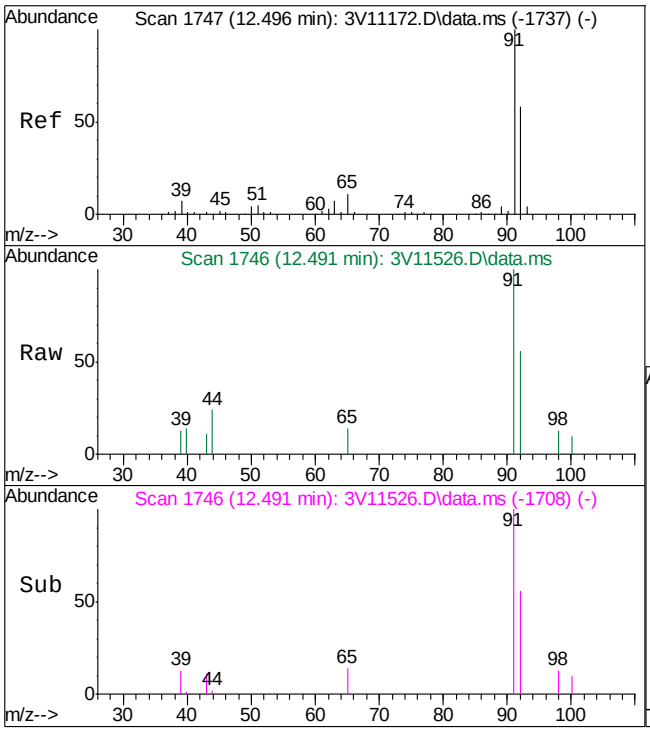


#22
carbon disulfide
Concen: 5.13 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11526.D
Acq: 7 Jun 2014 2:38 pm

Tgt Ion: 76 Resp: 41065

Ion	Ratio	Lower	Upper
76	100		
78	9.0	0.0	39.0
44	10.6	0.0	40.7

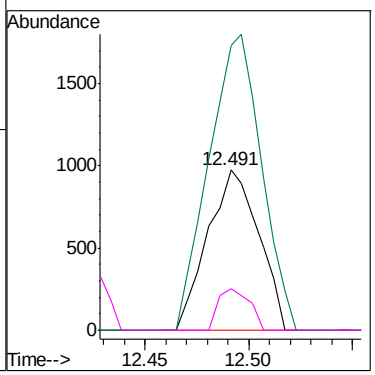




#73
toluene
Concen: 0.40 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11526.D
Acq: 7 Jun 2014 2:38 pm

Tgt Ion: 92 Resp: 1667

Ion	Ratio	Lower	Upper
92	100		
91	178.4	141.7	201.7
65	25.8	0.0	48.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11527.D
Acq On : 7 Jun 2014 3:04 pm
Operator : thienn
Sample : jb68318-2
Misc : MS68601,V3V491,4.1,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 10 16:45:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

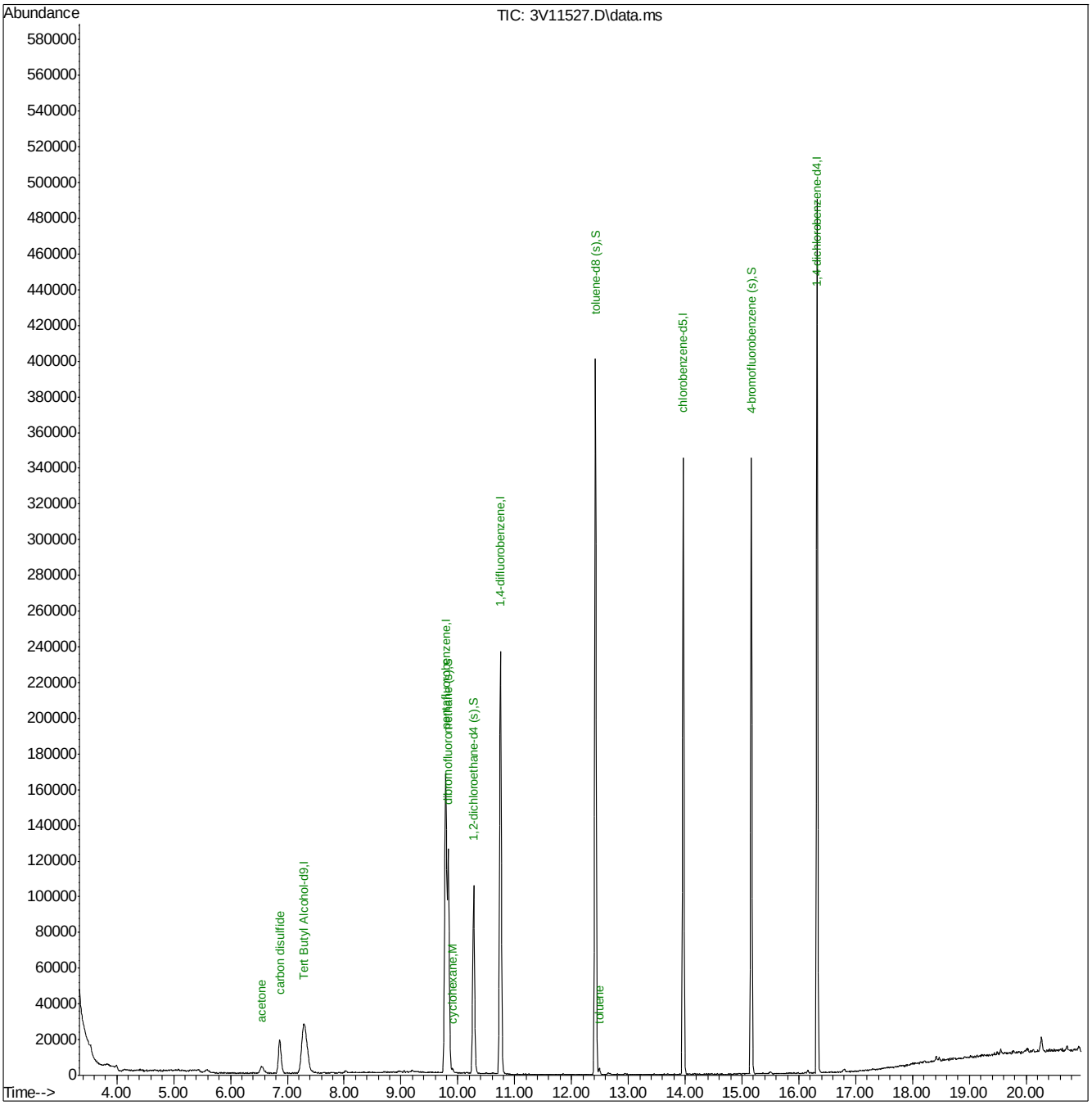
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	101656	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	158584	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	227942	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	196517	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	122401	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	94222	46.96	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.92%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	88009	50.09	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.18%			
71) toluene-d8 (s)	12.418	98	286863	50.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.62%			
95) 4-bromofluorobenzene (s)	15.165	95	116058	54.08	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.16%			
Target Compounds						Qvalue
17) acetone	6.546	43	12028	21.43	ug/L	97
22) carbon disulfide	6.865	76	47479	5.99	ug/L	98
52) cyclohexane	9.906	84	1248	0.42	ug/L	74
73) toluene	12.491	92	1446	0.35	ug/L	98

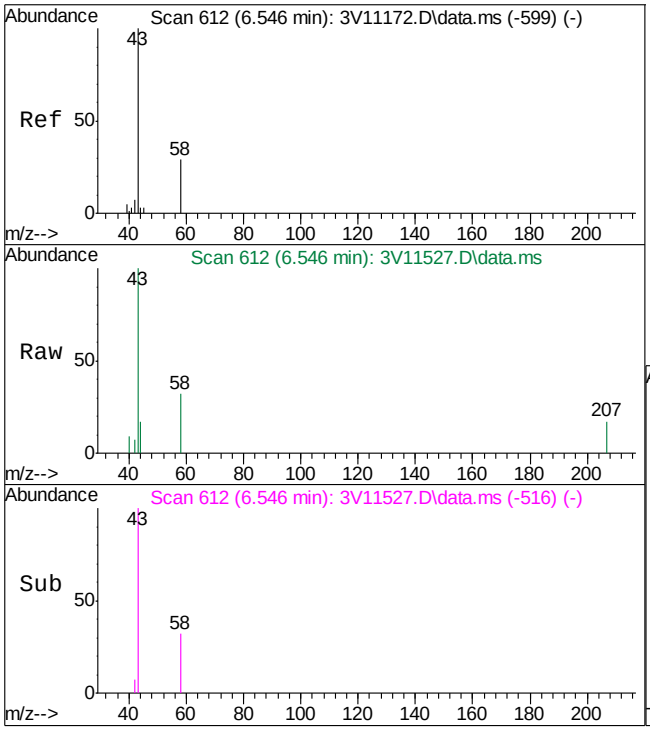
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11527.D
Acq On : 7 Jun 2014 3:04 pm
Operator : thienn
Sample : jb68318-2
Misc : MS68601,V3V491,4.1,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 10 16:45:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

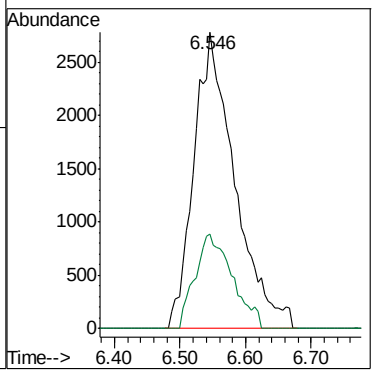


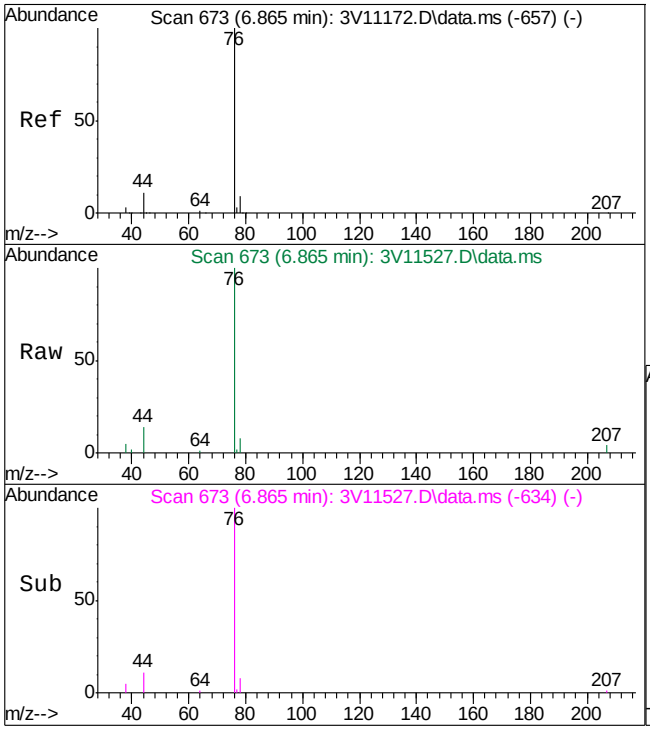


#17
acetone
Concen: 21.43 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11527.D
Acq: 7 Jun 2014 3:04 pm

Tgt Ion: 43 Resp: 12028

Ion	Ratio	Lower	Upper
43	100		
58	31.9	3.8	63.8

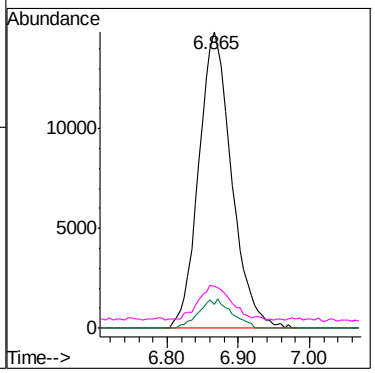


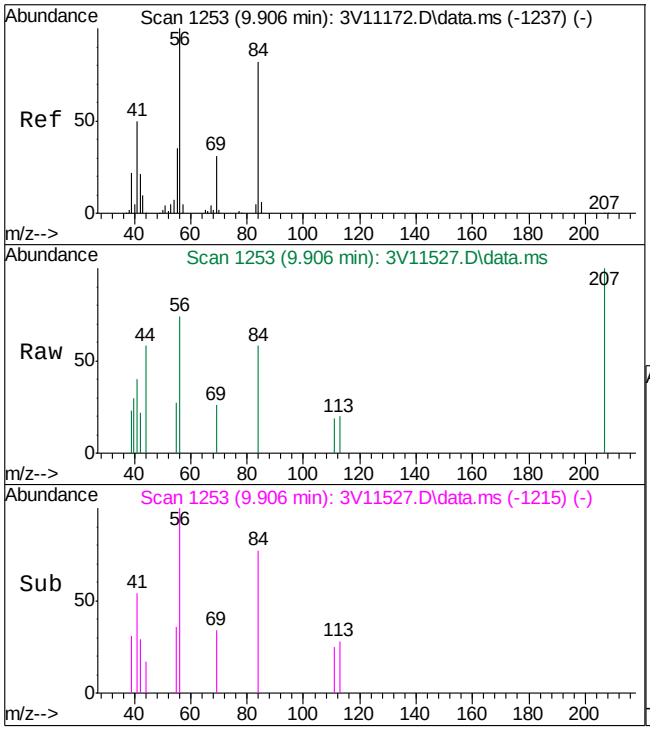


#22
carbon disulfide
Concen: 5.99 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11527.D
Acq: 7 Jun 2014 3:04 pm

Tgt Ion: 76 Resp: 47479

Ion	Ratio	Lower	Upper
76	100		
78	7.9	0.0	39.0
44	11.4	0.0	40.7

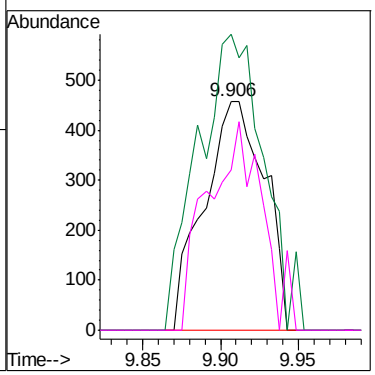


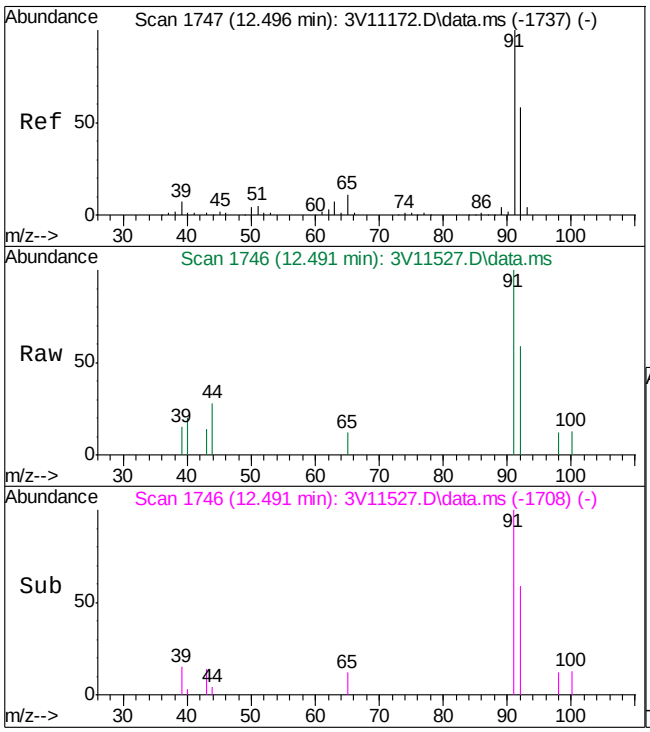


#52
cyclohexane
Concen: 0.42 ug/L
RT: 9.906 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 3V11527.D
Acq: 7 Jun 2014 3:04 pm

Tgt Ion: 84 Resp: 1248

Ion	Ratio	Lower	Upper
84	100		
56	140.1	86.7	146.7
41	81.7	25.3	85.3

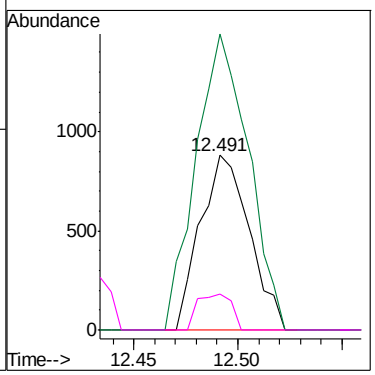




#73
toluene
Concen: 0.35 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11527.D
Acq: 7 Jun 2014 3:04 pm

Tgt Ion: 92 Resp: 1446

Ion	Ratio	Lower	Upper
92	100		
91	169.3	141.7	201.7
65	20.9	0.0	48.2



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 06/11/14 03:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11528.D
Acq On : 7 Jun 2014 3:31 pm
Operator : thienn
Sample : jb68318-3
Misc : MS68601,V3V491,4.2,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 10 16:46:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

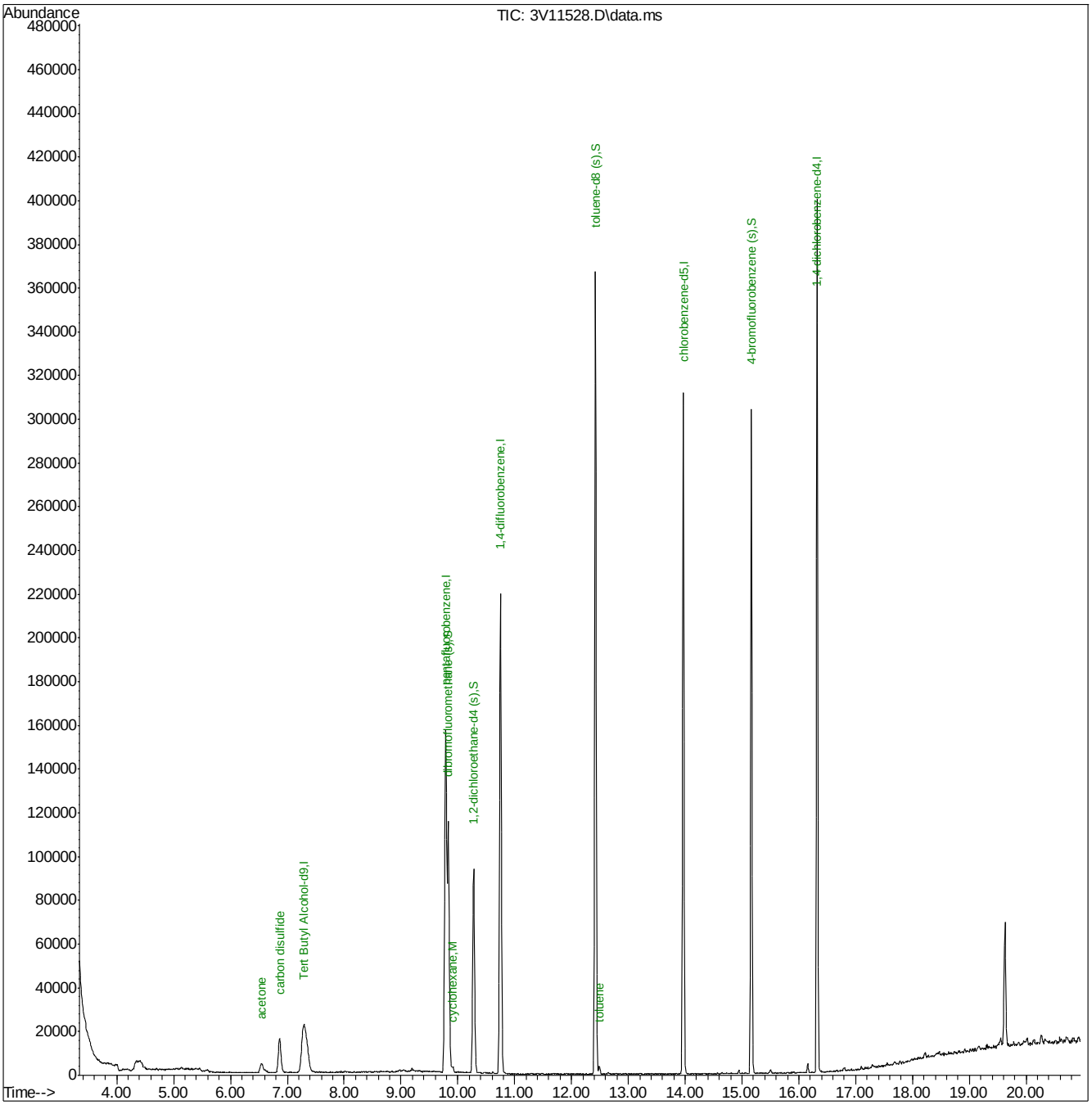
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	81892	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	145981	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	208289	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	179257	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	99651	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	85876	46.49	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 92.98%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	77573	47.97	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 95.94%			
71) toluene-d8 (s)	12.418	98	259445	50.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.58%			
95) 4-bromofluorobenzene (s)	15.165	95	99875	57.16	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 114.32%			
Target Compounds						Qvalue
17) acetone	6.546	43	12343	23.89	ug/L	95
22) carbon disulfide	6.865	76	38961	5.34	ug/L	99
52) cyclohexane	9.912	84	1239m	0.46	ug/L	
73) toluene	12.491	92	1738	0.46	ug/L	86

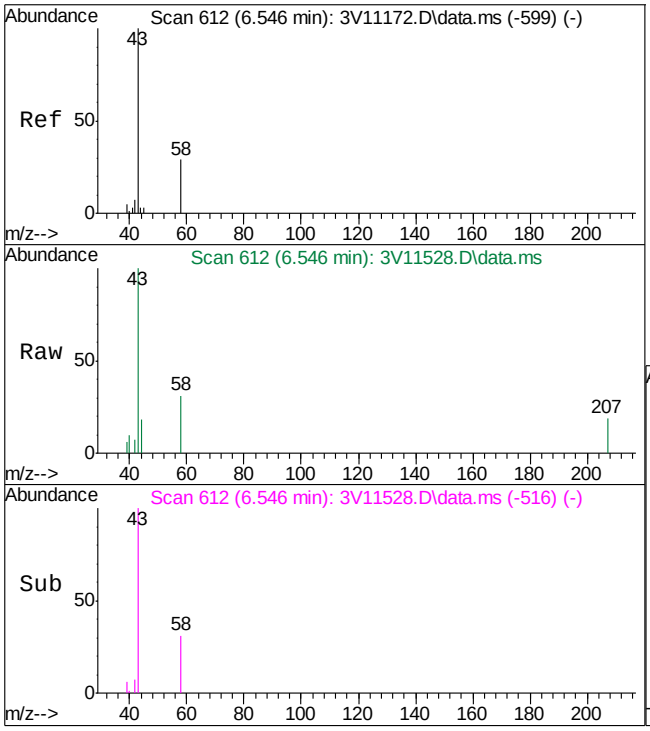
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11528.D
Acq On : 7 Jun 2014 3:31 pm
Operator : thienn
Sample : jb68318-3
Misc : MS68601,V3V491,4.2,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 10 16:46:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

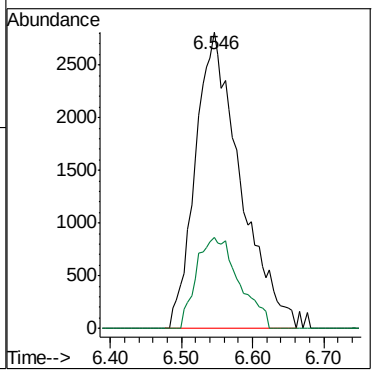


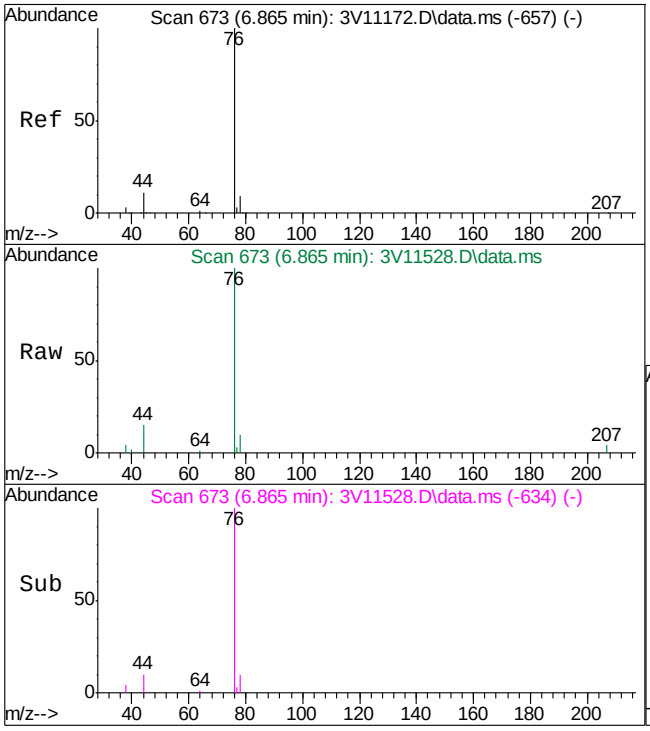


#17
acetone
Concen: 23.89 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11528.D
Acq: 7 Jun 2014 3:31 pm

Tgt Ion: 43 Resp: 12343

Ion	Ratio	Lower	Upper
43	100		
58	30.8	3.8	63.8

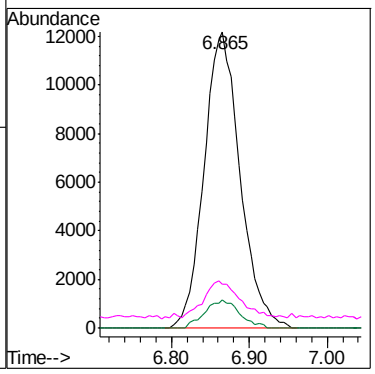


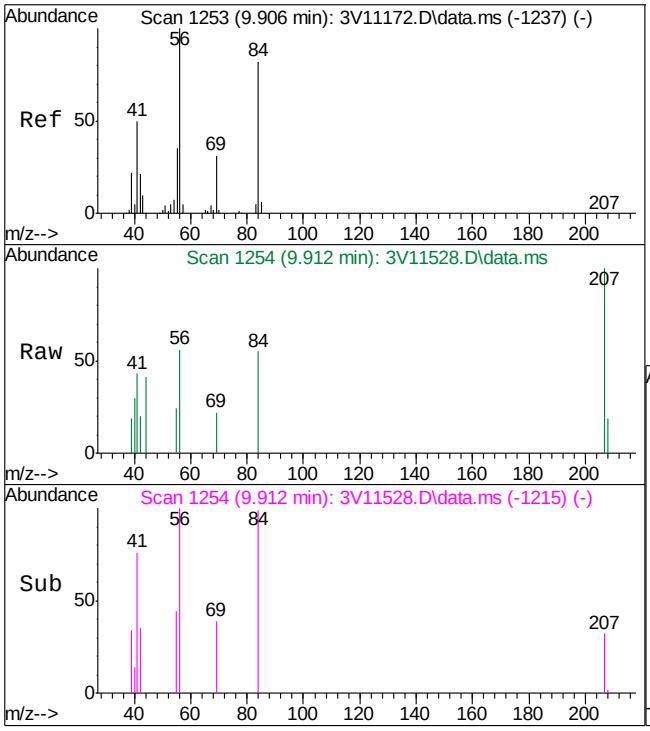


#22
carbon disulfide
Concen: 5.34 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11528.D
Acq: 7 Jun 2014 3:31 pm

Tgt Ion: 76 Resp: 38961

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.0
44	11.3	0.0	40.7

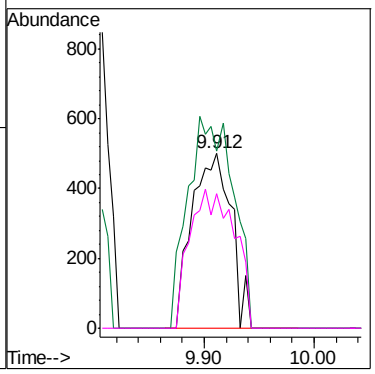


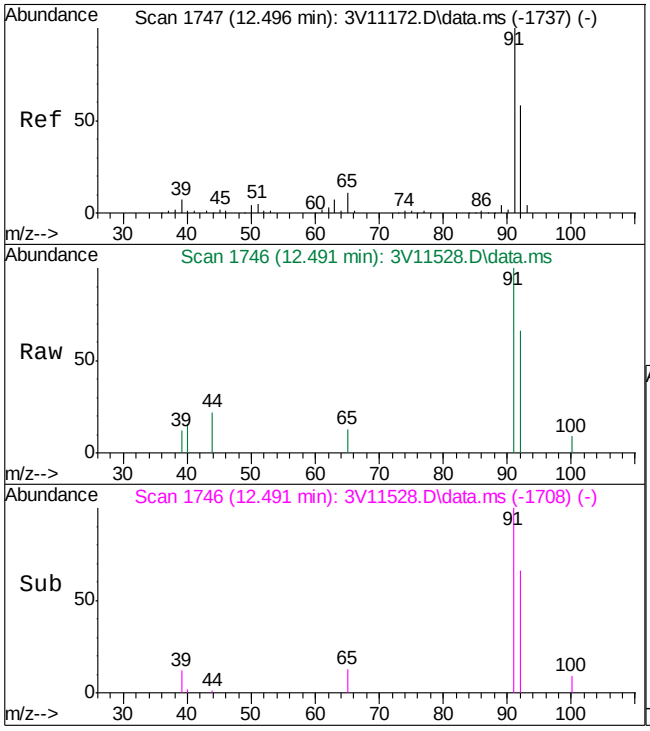


#52
cyclohexane
Concen: 0.46 ug/L m
RT: 9.912 min Scan# 1254
Delta R.T. 0.005 min
Lab File: 3V11528.D
Acq: 7 Jun 2014 3:31 pm

Tgt Ion: 84 Resp: 1239

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.7	146.7#
41	0.0	25.3	85.3#

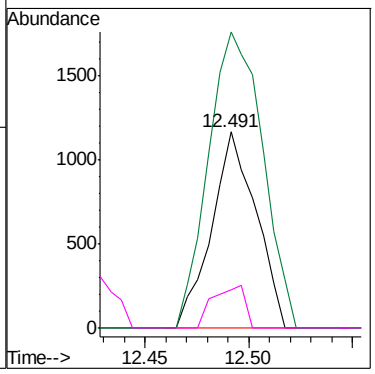




#73
toluene
Concen: 0.46 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11528.D
Acq: 7 Jun 2014 3:31 pm

Tgt Ion: 92 Resp: 1738

Ion	Ratio	Lower	Upper
92	100		
91	151.0	141.7	201.7
65	19.5	0.0	48.2



Manual Integration Approval Summary

Sample Number:	JB68318-3	**Method:**	SW846 8260C
Lab FileID:	3V11528.D	**Analyst approved:**	06/10/14 17:15 Ying Li
Injection Time:	06/07/14 15:31	**Supervisor approved:**	06/11/14 03:00 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Cyclohexane	110-82-7		9.91	Split peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11532.D
Acq On : 7 Jun 2014 5:18 pm
Operator : thienn
Sample : jb68318-4
Misc : MS68601,V3V491,4.3,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 10 16:48:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

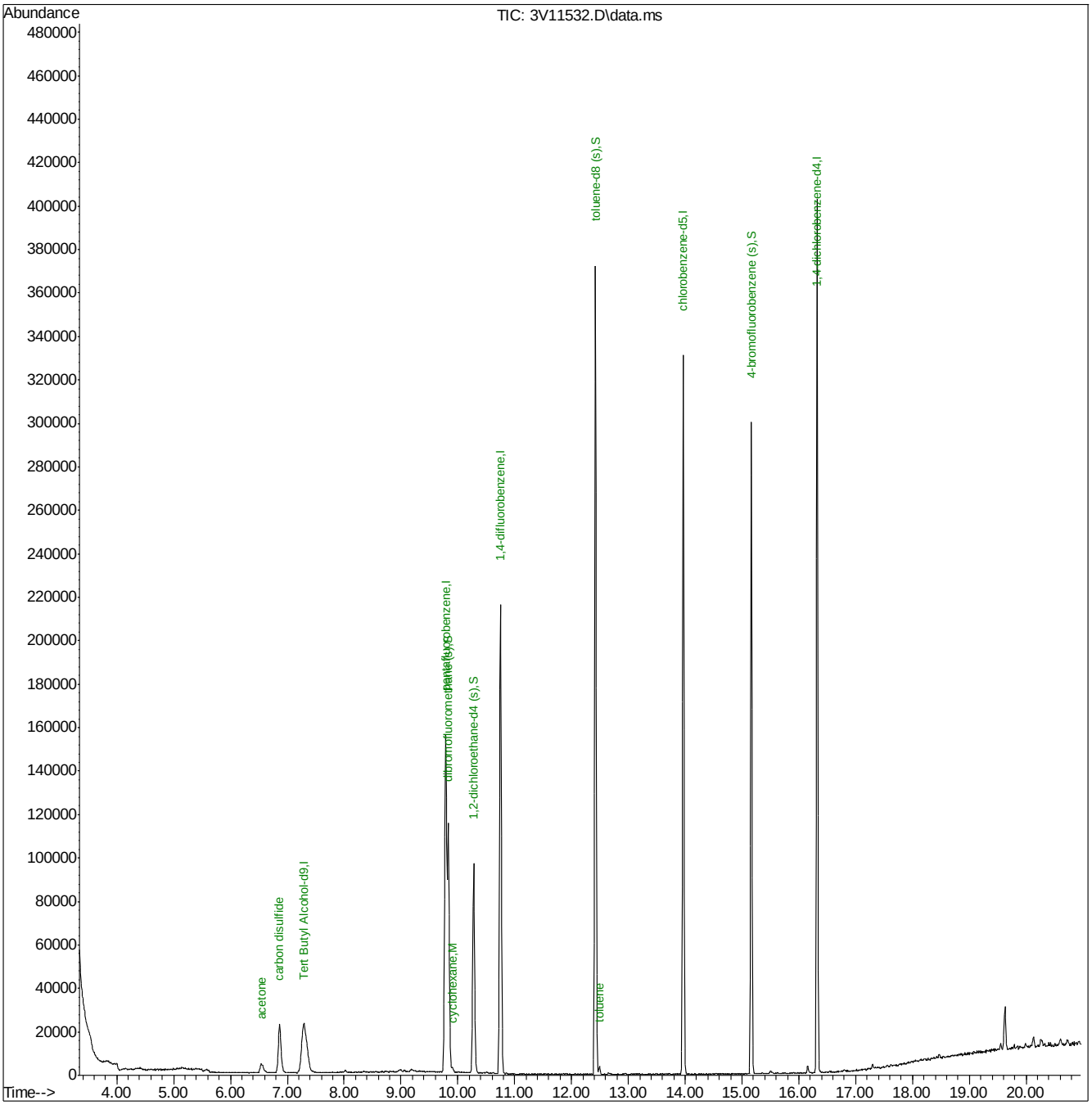
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	80325	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	145946	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	208473	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	184090	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	102178	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	86434	46.80	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.60%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	81164	50.20	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.40%			
71) toluene-d8 (s)	12.418	98	259559	50.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.54%			
95) 4-bromofluorobenzene (s)	15.165	95	97884	54.64	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 109.28%			
Target Compounds						Qvalue
17) acetone	6.540	43	12672	24.53	ug/L	93
22) carbon disulfide	6.860	76	55082	7.56	ug/L	99
52) cyclohexane	9.906	84	1033	0.38	ug/L #	63
73) toluene	12.491	92	1683	0.44	ug/L	90

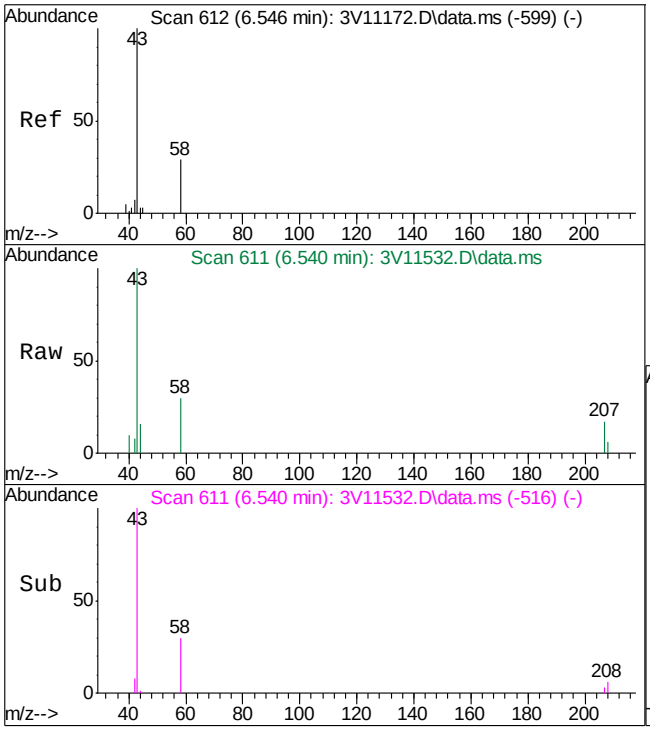
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11532.D
Acq On : 7 Jun 2014 5:18 pm
Operator : thienn
Sample : jb68318-4
Misc : MS68601,V3V491,4.3,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 10 16:48:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

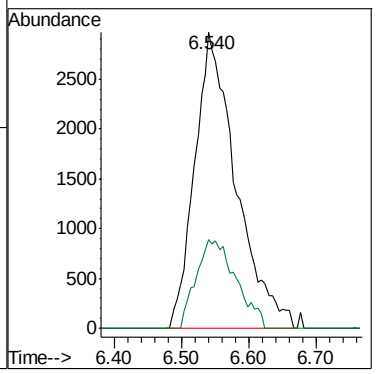


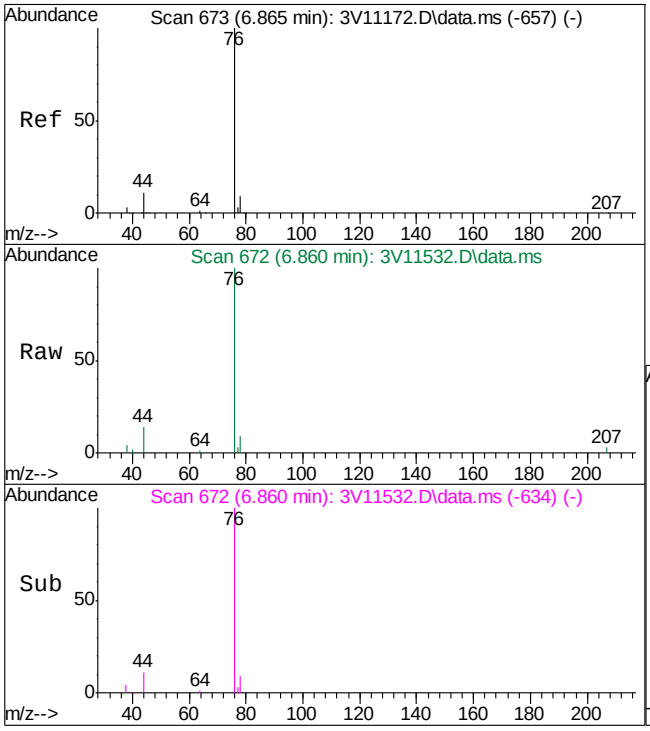


#17
acetone
Concen: 24.53 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11532.D
Acq: 7 Jun 2014 5:18 pm

Tgt Ion: 43 Resp: 12672

Ion	Ratio	Lower	Upper
43	100		
58	30.0	3.8	63.8

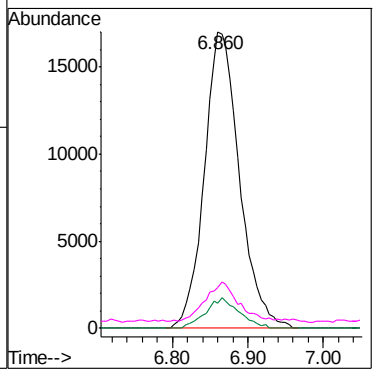


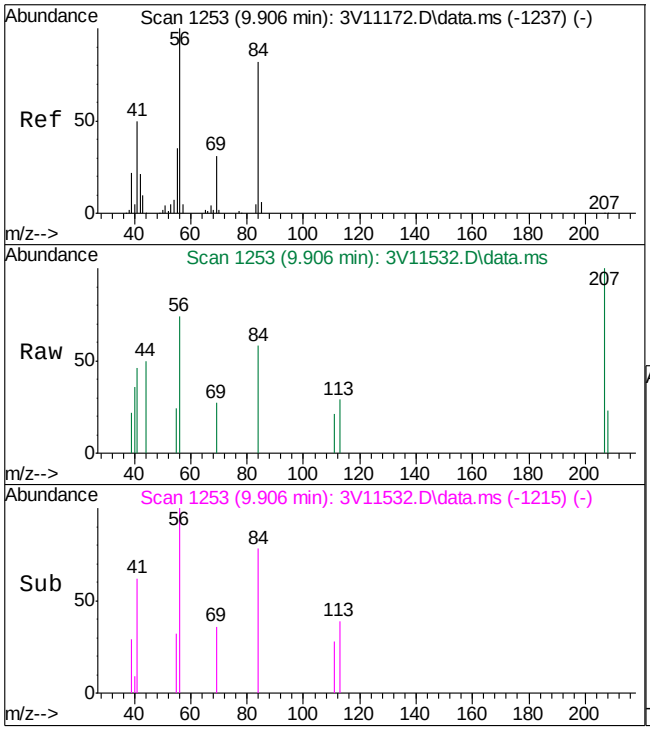


#22
carbon disulfide
Concen: 7.56 ug/L
RT: 6.860 min Scan# 672
Delta R.T. 0.000 min
Lab File: 3V11532.D
Acq: 7 Jun 2014 5:18 pm

Tgt Ion: 76 Resp: 55082

Ion	Ratio	Lower	Upper
76	100		
78	8.5	0.0	39.0
44	11.1	0.0	40.7

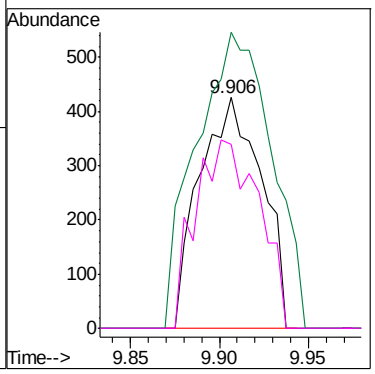


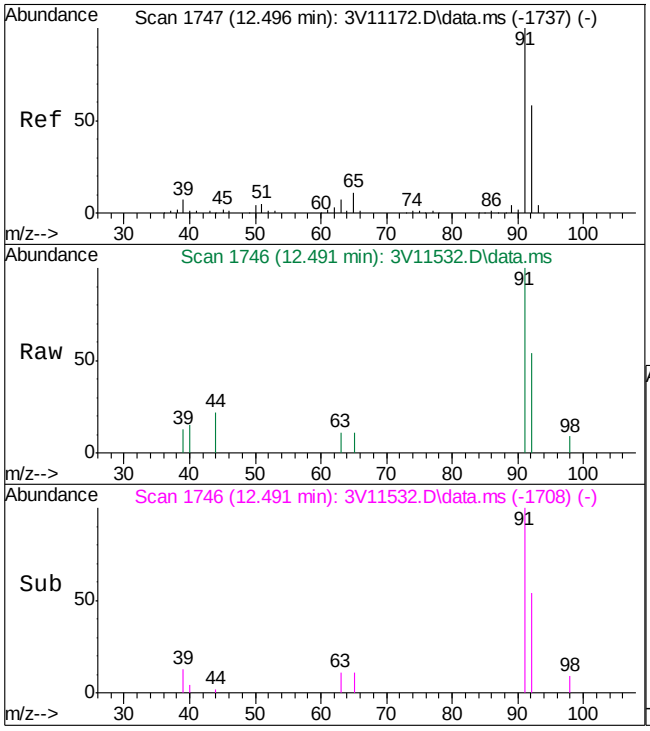


#52
cyclohexane
Concen: 0.38 ug/L
RT: 9.906 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 3V11532.D
Acq: 7 Jun 2014 5:18 pm

Tgt Ion: 84 Resp: 1033

Ion	Ratio	Lower	Upper
84	100		
56	155.9	86.7	146.7#
41	83.7	25.3	85.3

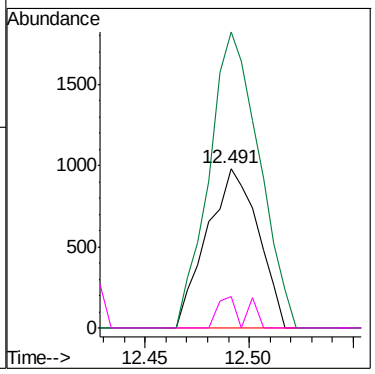




#73
toluene
Concen: 0.44 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11532.D
Acq: 7 Jun 2014 5:18 pm

Tgt Ion: 92 Resp: 1683

Ion	Ratio	Lower	Upper
92	100		
91	185.6	141.7	201.7
65	20.0	0.0	48.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11533.D
Acq On : 7 Jun 2014 5:44 pm
Operator : thienn
Sample : jb68318-5
Misc : MS68601,V3V491,3.8,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 10 16:49:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

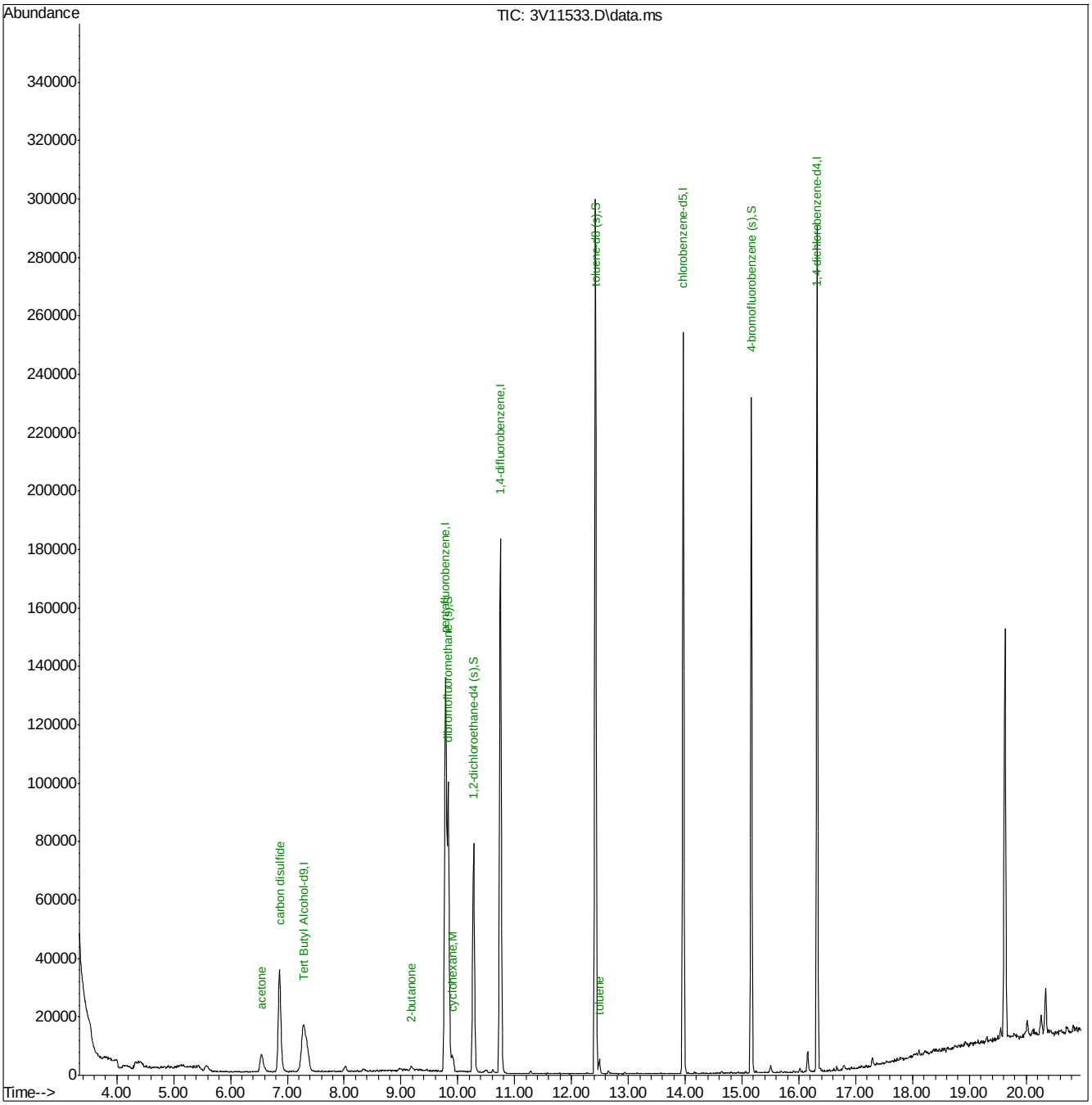
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	54908	500.00	ug/L	#-0.02
5) pentafluorobenzene	9.781	168	126136	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	176016	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	142866	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	73318	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	74395	46.61	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.22%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	66120	47.32	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.64%			
71) toluene-d8 (s)	12.418	98	213398	48.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 97.90%			
95) 4-bromofluorobenzene (s)	15.165	95	75400	58.65	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 117.30%			
Target Compounds						Qvalue
17) acetone	6.546	43	17982	40.28	ug/L	89
22) carbon disulfide	6.865	76	84525	13.41	ug/L	98
30) 2-butanone	9.178	72	557	3.96	ug/L #	10
52) cyclohexane	9.906	84	3496	1.52	ug/L	84
73) toluene	12.491	92	2298	0.72	ug/L	95

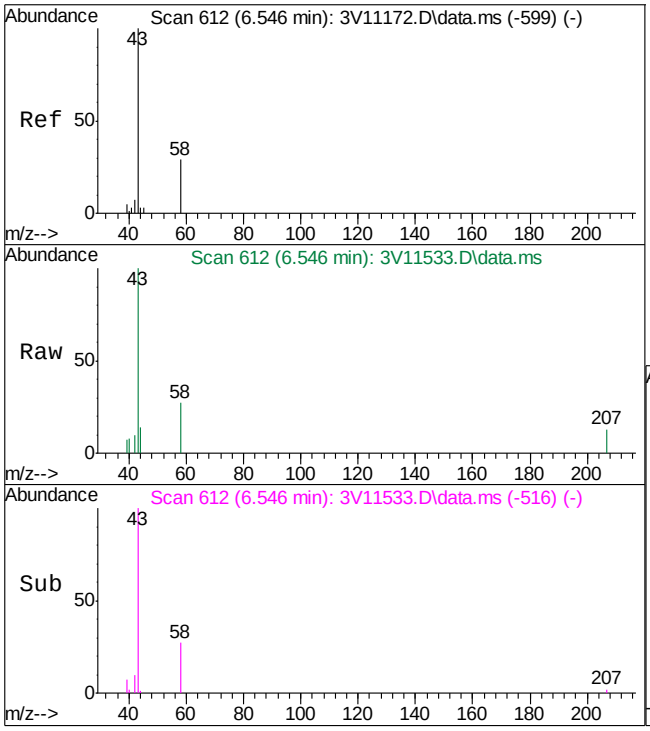
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11533.D
Acq On : 7 Jun 2014 5:44 pm
Operator : thienn
Sample : jb68318-5
Misc : MS68601,V3V491,3.8,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 10 16:49:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

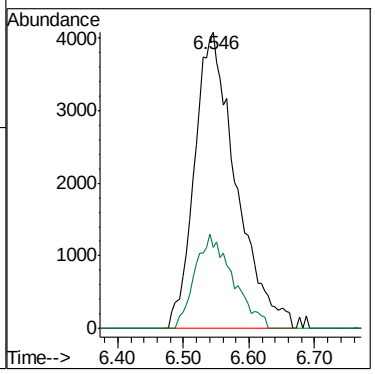


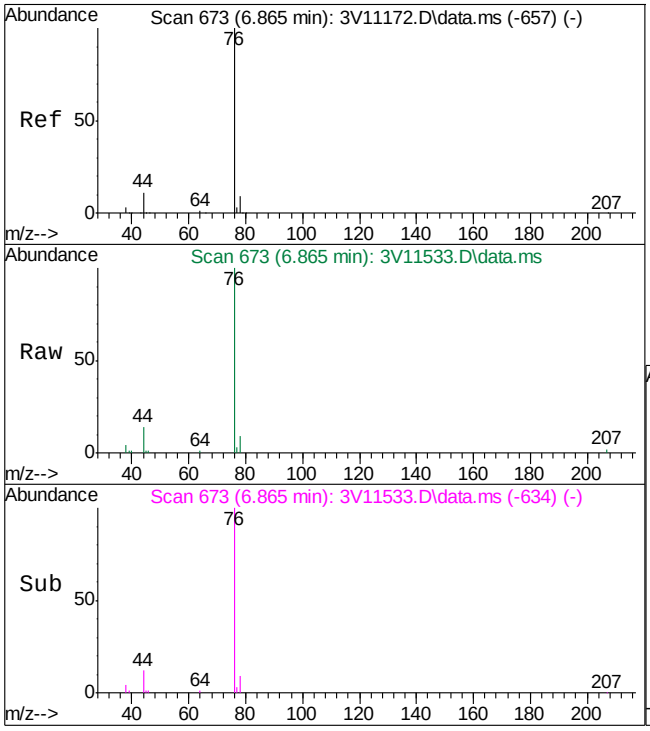


#17
acetone
Concen: 40.28 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11533.D
Acq: 7 Jun 2014 5:44 pm

Tgt Ion: 43 Resp: 17982

Ion	Ratio	Lower	Upper
43	100		
58	27.4	3.8	63.8

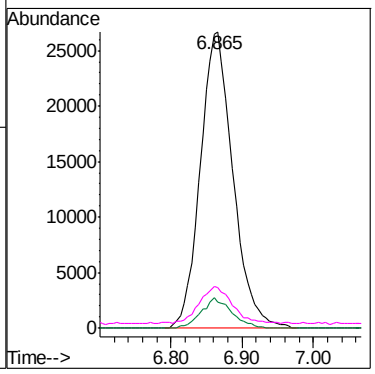


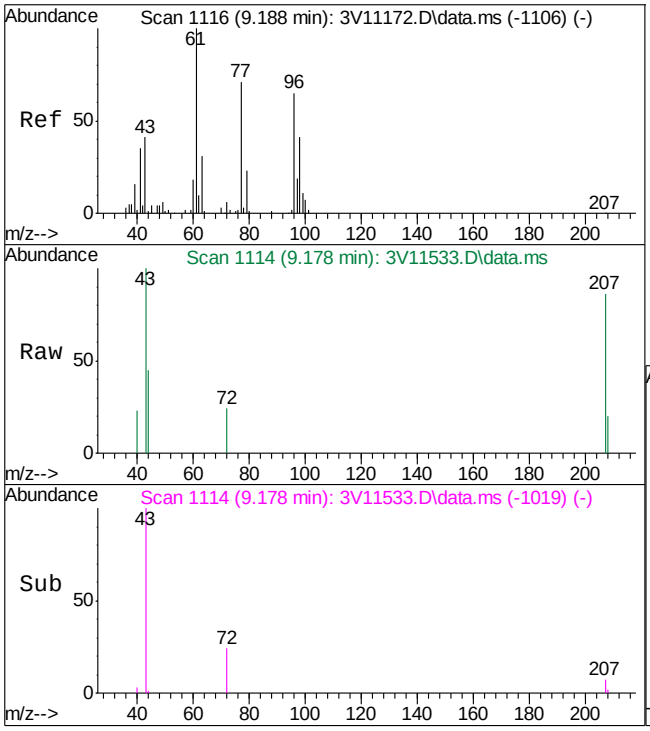


#22
carbon disulfide
Concen: 13.41 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11533.D
Acq: 7 Jun 2014 5:44 pm

Tgt Ion: 76 Resp: 84525

Ion	Ratio	Lower	Upper
76	100		
78	8.8	0.0	39.0
44	12.2	0.0	40.7

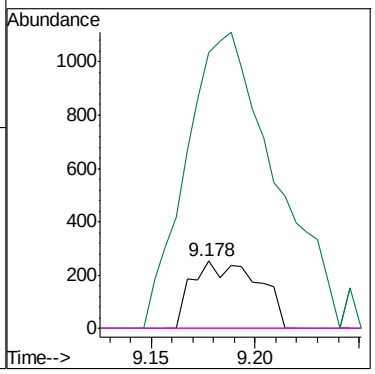


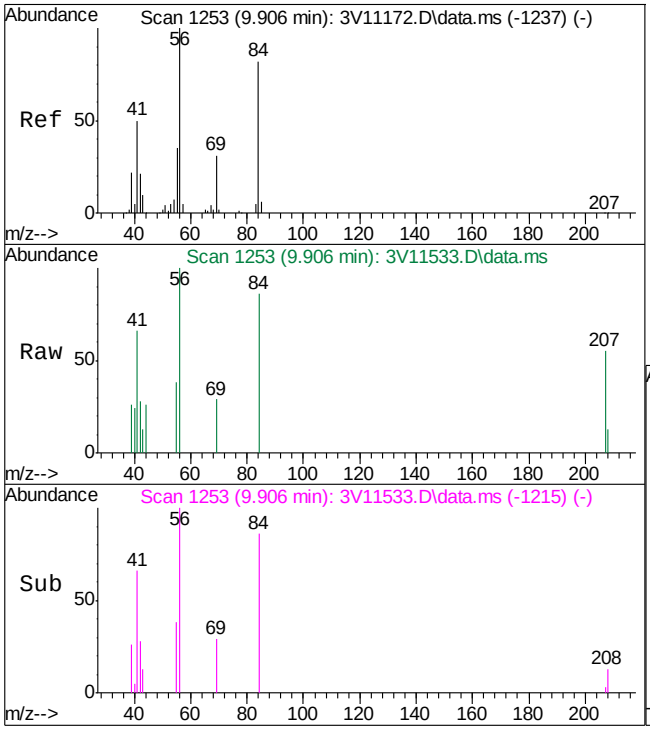


#30
2-butanone
Concen: 3.96 ug/L
RT: 9.178 min Scan# 1114
Delta R.T. -0.000 min
Lab File: 3V11533.D
Acq: 7 Jun 2014 5:44 pm

Tgt Ion: 72 Resp: 557

Ion	Ratio	Lower	Upper
72	100		
43	600.4	704.9	1309.1#
57	0.0	17.5	32.5#

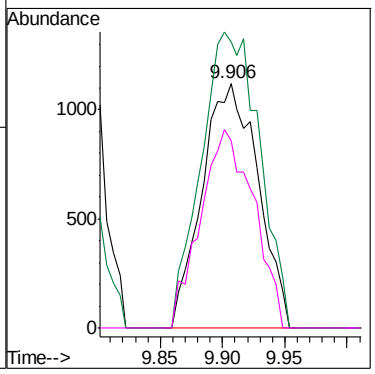


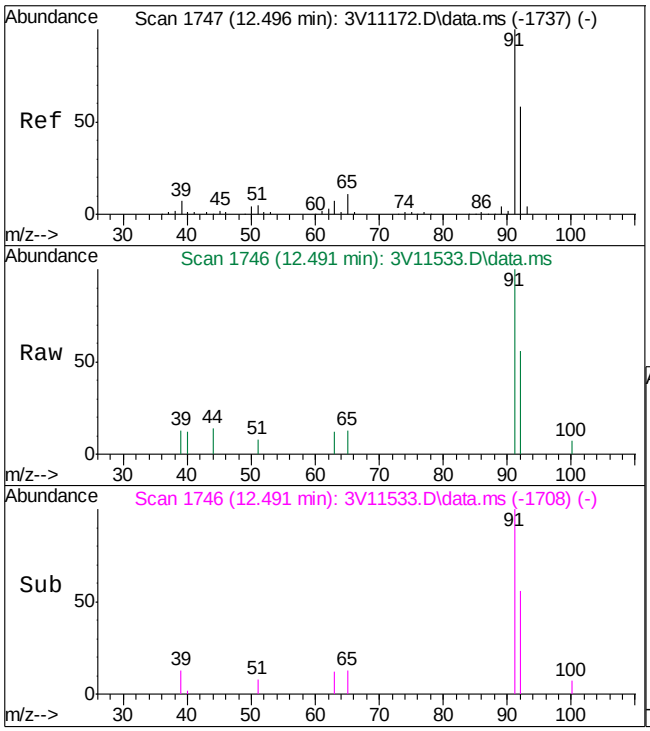


#52
cyclohexane
Concen: 1.52 ug/L
RT: 9.906 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 3V11533.D
Acq: 7 Jun 2014 5:44 pm

Tgt Ion: 84 Resp: 3496

Ion	Ratio	Lower	Upper
84	100		
56	126.4	86.7	146.7
41	77.2	25.3	85.3

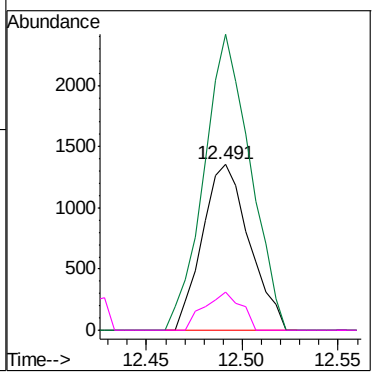




#73
toluene
Concen: 0.72 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11533.D
Acq: 7 Jun 2014 5:44 pm

Tgt Ion: 92 Resp: 2298

Ion	Ratio	Lower	Upper
92	100		
91	177.9	141.7	201.7
65	22.7	0.0	48.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119288.D
Acq On : 9 Jun 2014 6:24 pm
Operator : toanp
Sample : jb68318-6
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 15:18:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

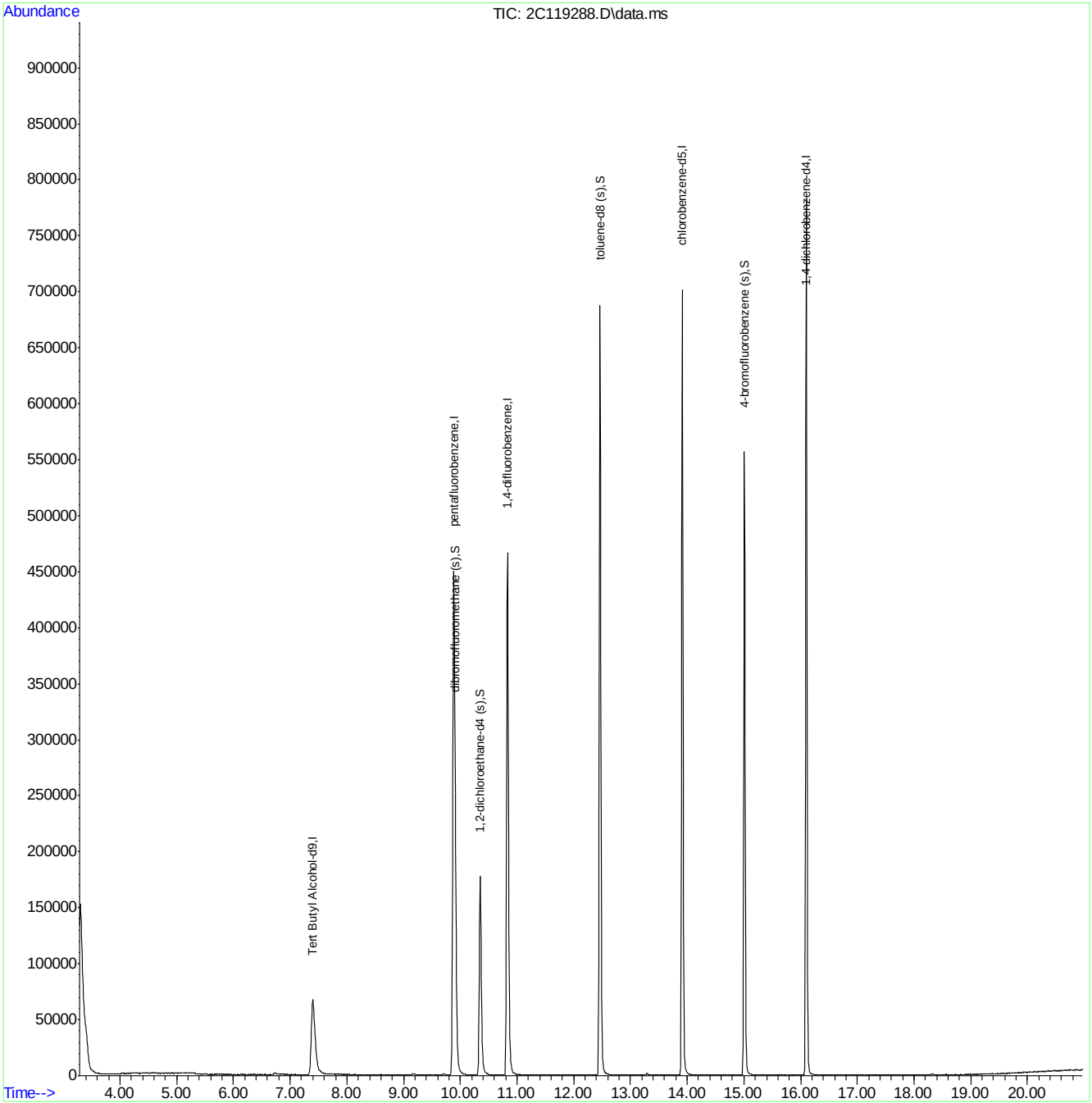
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.403	65	200394	500.00	ug/L	-0.01
5) pentafluorobenzene	9.883	168	427898	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.832	114	490340	50.00	ug/L	0.00
92) chlorobenzene-d5	13.914	117	418018	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	220357	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	138941	47.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 95.86%			
55) 1,2-dichloroethane-d4 (s)	10.349	65	158720	46.92	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 93.84%			
84) toluene-d8 (s)	12.462	98	512124	54.37	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.74%			
109) 4-bromofluorobenzene (s)	15.010	95	183994	51.73	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.46%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119288.D
Acq On : 9 Jun 2014 6:24 pm
Operator : toanp
Sample : jb68318-6
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 15:18:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119289.D
Acq On : 9 Jun 2014 6:53 pm
Operator : toanp
Sample : jb68318-7
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 15:19:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

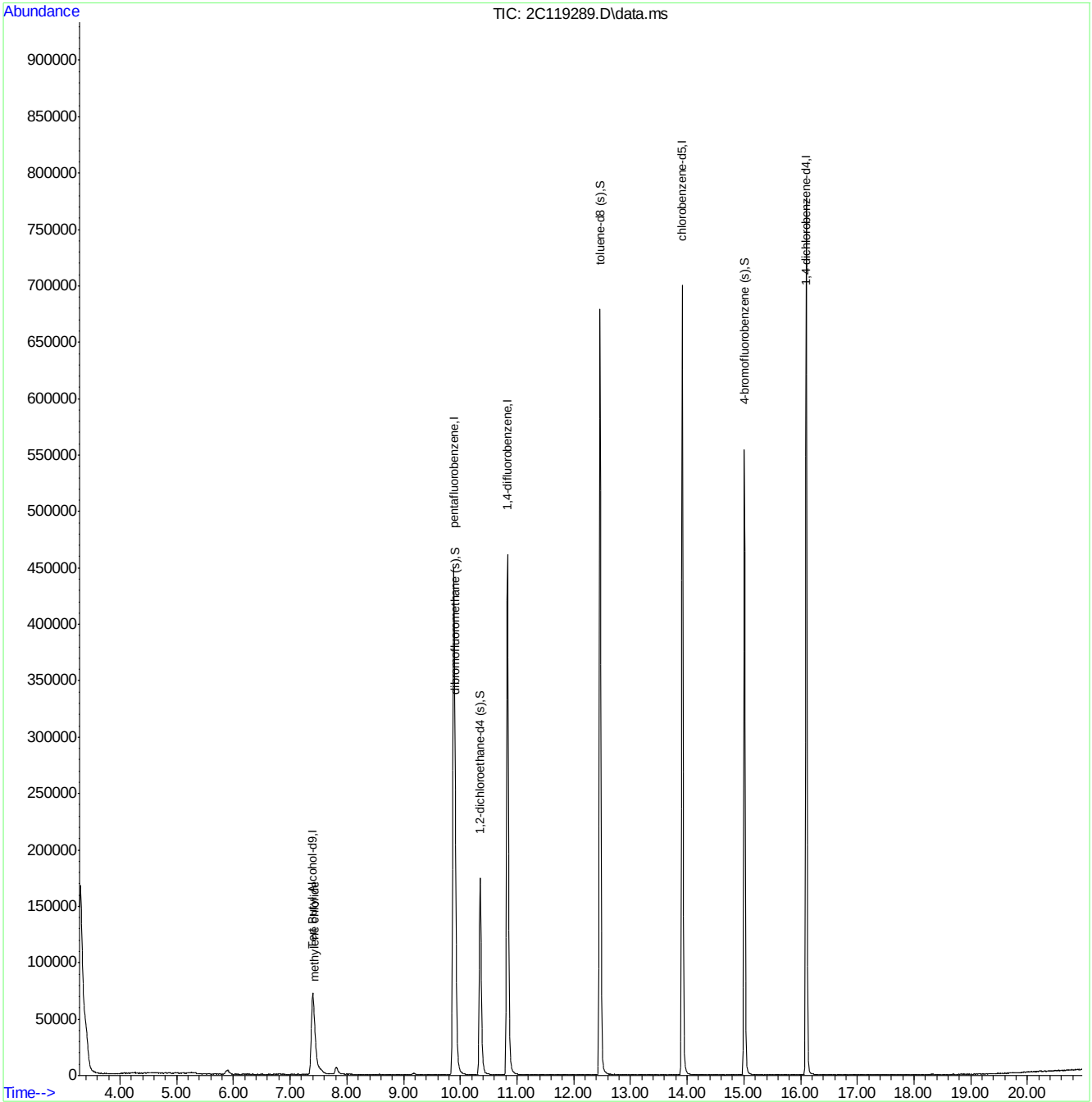
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.397	65	202848	500.00	ug/L	-0.02
5) pentafluorobenzene	9.882	168	426535	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.831	114	484363	50.00	ug/L	0.00
92) chlorobenzene-d5	13.914	117	413981	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	218912	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	139267	48.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.38%			
55) 1,2-dichloroethane-d4 (s)	10.349	65	158419	46.98	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 93.96%			
84) toluene-d8 (s)	12.462	98	506607	54.44	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.88%			
109) 4-bromofluorobenzene (s)	15.010	95	182882	51.76	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.52%			
Target Compounds						Qvalue
34) methylene chloride	7.434	84	2080	0.68	ug/L	82

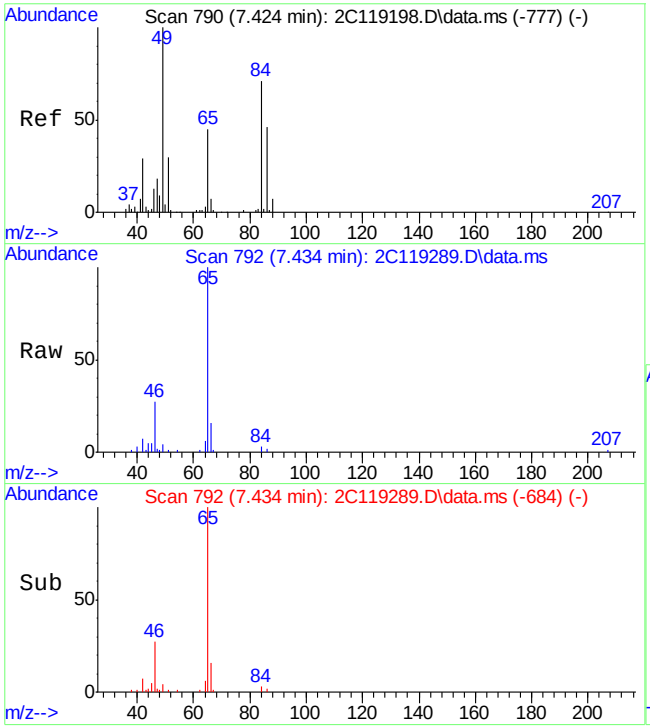
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119289.D
Acq On : 9 Jun 2014 6:53 pm
Operator : toanp
Sample : jb68318-7
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 15:19:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

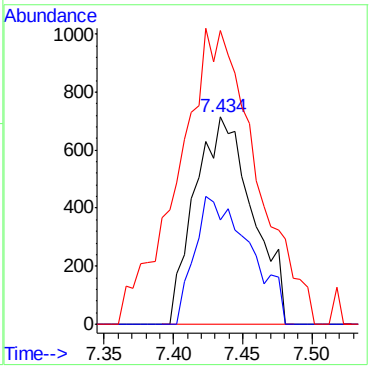




#34
methylene chloride
Concen: 0.68 ug/L
RT: 7.434 min Scan# 792
Delta R.T. 0.005 min
Lab File: 2C119289.D
Acq: 9 Jun 2014 6:53 pm

Tgt Ion: 84 Resp: 2080

Ion	Ratio	Lower	Upper
84	100		
86	50.4	34.0	94.0
49	119.8	113.0	173.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11534.D
Acq On : 7 Jun 2014 6:11 pm
Operator : thienn
Sample : jb68318-8
Misc : MS68601,V3V491,3.1,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 16:50:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

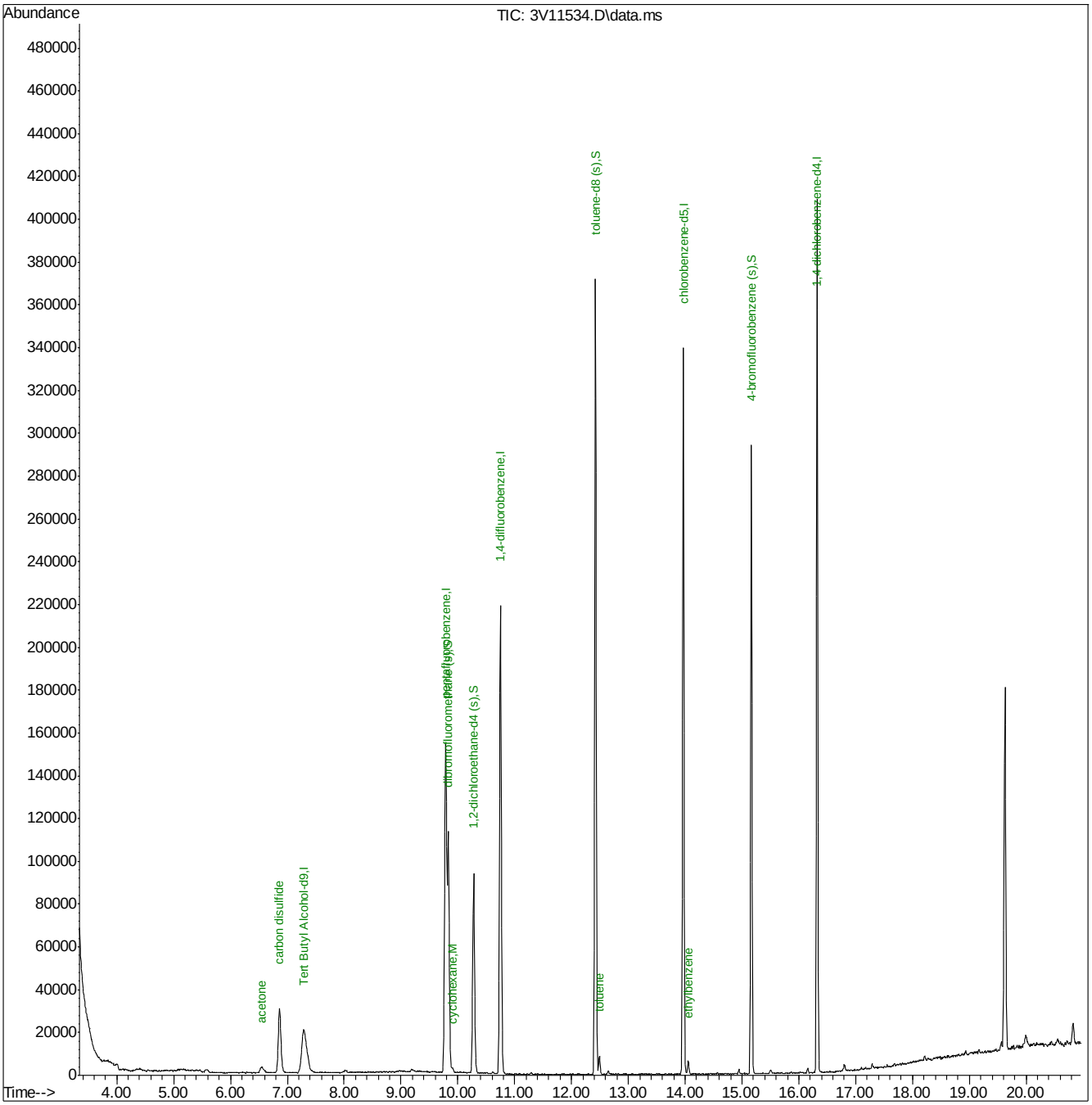
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	67426	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	146722	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	208812	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	184978	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	100577	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	84851	45.70	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 91.40%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	78908	48.55	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 97.10%			
71) toluene-d8 (s)	12.418	98	265328	51.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.62%			
95) 4-bromofluorobenzene (s)	15.165	95	95927	54.40	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.80%			
Target Compounds						Qvalue
17) acetone	6.551	43	8875	17.09	ug/L	93
22) carbon disulfide	6.860	76	74104	10.11	ug/L	98
52) cyclohexane	9.911	84	1075	0.39	ug/L	77
73) toluene	12.491	92	3760	0.99	ug/L	92
88) ethylbenzene	14.053	91	5207	0.72	ug/L	91

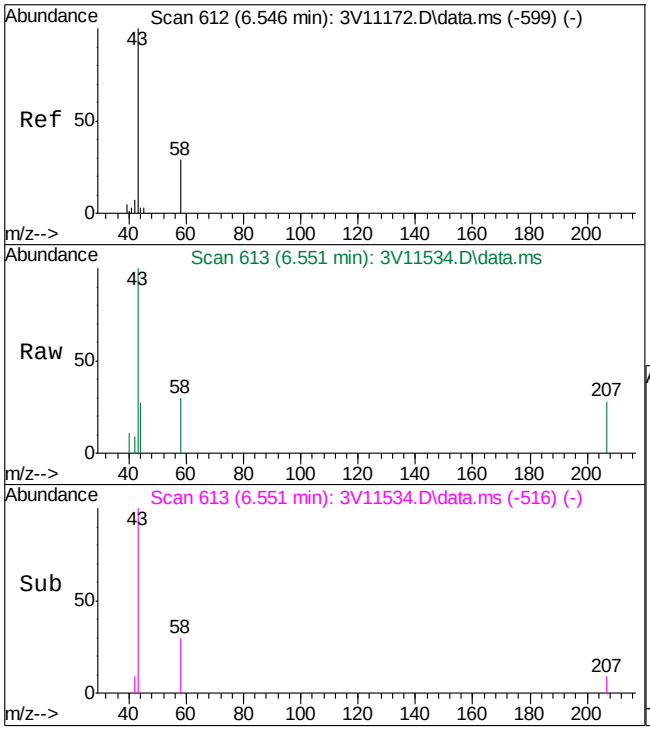
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11534.D
Acq On : 7 Jun 2014 6:11 pm
Operator : thienn
Sample : jb68318-8
Misc : MS68601,V3V491,3.1,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 16:50:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

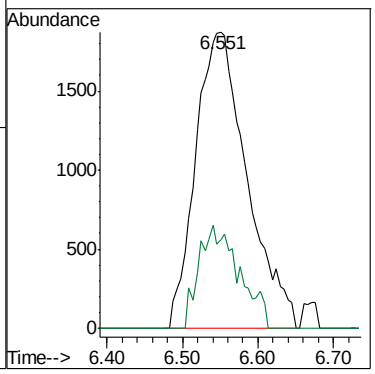


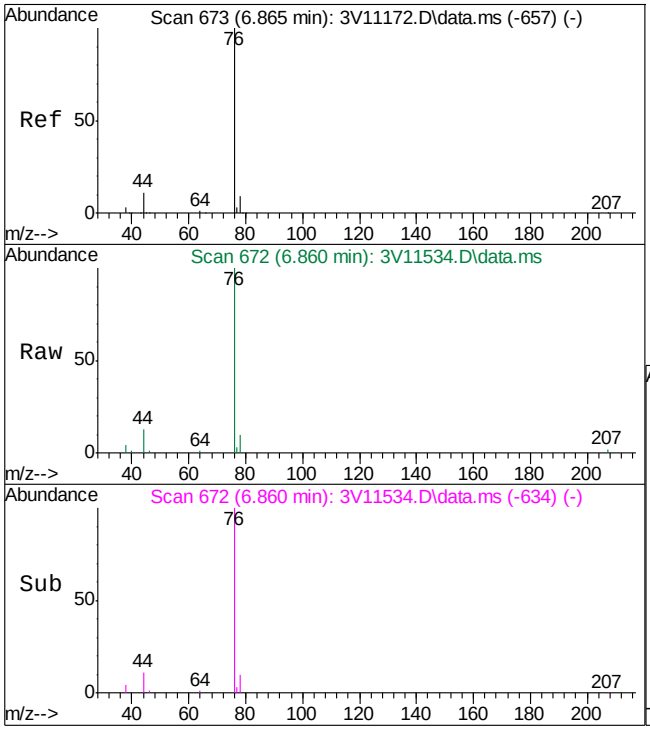


#17
acetone
Concen: 17.09 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11534.D
Acq: 7 Jun 2014 6:11 pm

Tgt Ion: 43 Resp: 8875

Ion	Ratio	Lower	Upper
43	100		
58	29.9	3.8	63.8

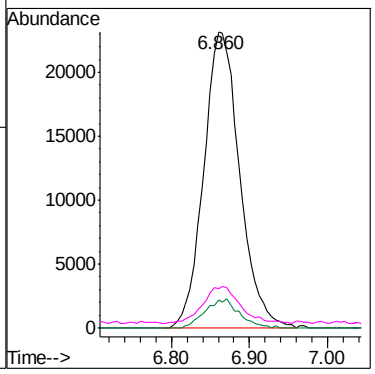


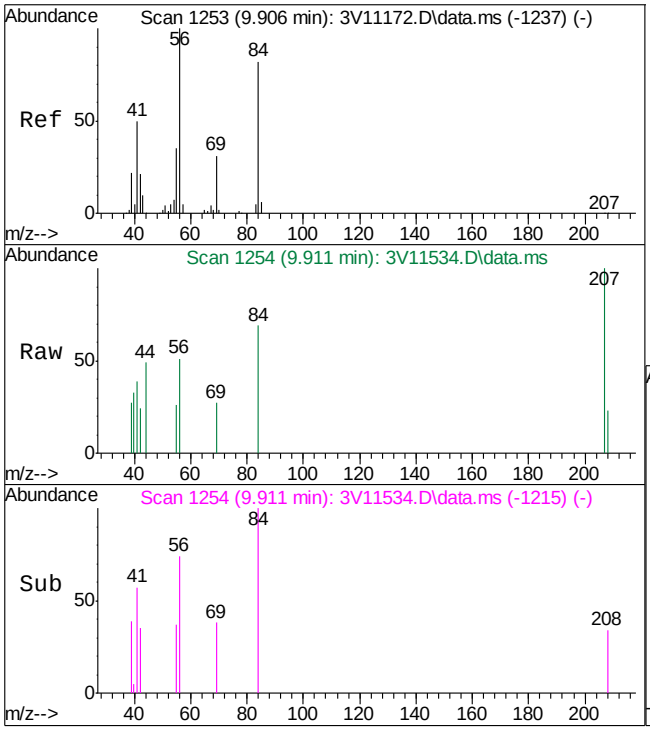


#22
carbon disulfide
Concen: 10.11 ug/L
RT: 6.860 min Scan# 672
Delta R.T. -0.000 min
Lab File: 3V11534.D
Acq: 7 Jun 2014 6:11 pm

Tgt Ion: 76 Resp: 74104

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	39.0
44	11.4	0.0	40.7

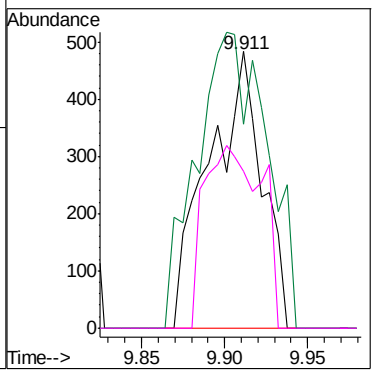


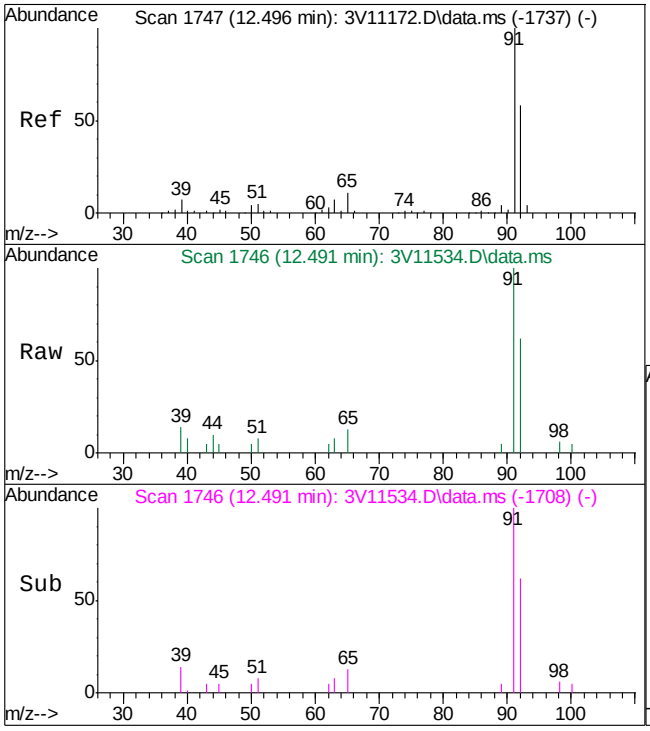


#52
cyclohexane
Concen: 0.39 ug/L
RT: 9.911 min Scan# 1254
Delta R.T. 0.005 min
Lab File: 3V11534.D
Acq: 7 Jun 2014 6:11 pm

Tgt Ion: 84 Resp: 1075

Ion	Ratio	Lower	Upper
84	100		
56	141.1	86.7	146.7
41	72.3	25.3	85.3

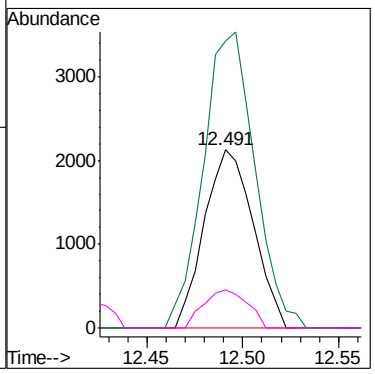


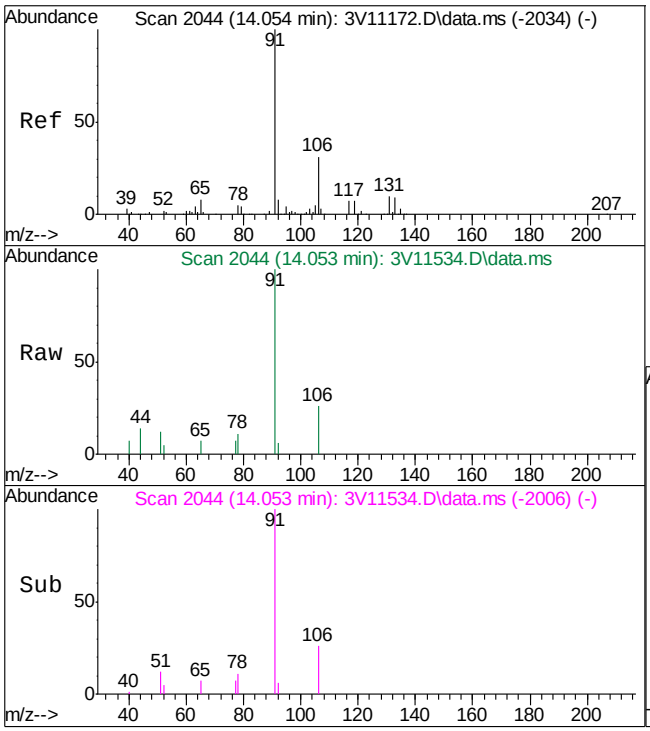


#73
toluene
Concen: 0.99 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. -0.000 min
Lab File: 3V11534.D
Acq: 7 Jun 2014 6:11 pm

Tgt Ion: 92 Resp: 3760

Ion	Ratio	Lower	Upper
92	100		
91	160.9	141.7	201.7
65	21.7	0.0	48.2

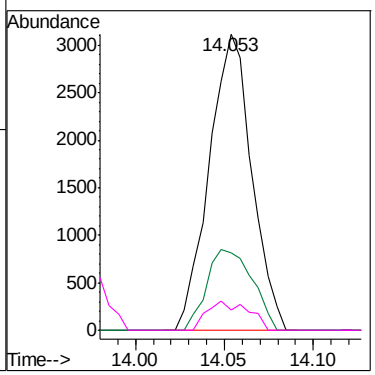




#88
ethylbenzene
Concen: 0.72 ug/L
RT: 14.053 min Scan# 2044
Delta R.T. -0.001 min
Lab File: 3V11534.D
Acq: 7 Jun 2014 6:11 pm

Tgt Ion: 91 Resp: 5207

Ion	Ratio	Lower	Upper
91	100		
106	26.1	1.7	61.7
77	7.0	0.0	38.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11562.D
Acq On : 9 Jun 2014 5:39 pm
Operator : thienn
Sample : jb68318-9
Misc : MS68601,V3V492,3.0,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 17:22:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

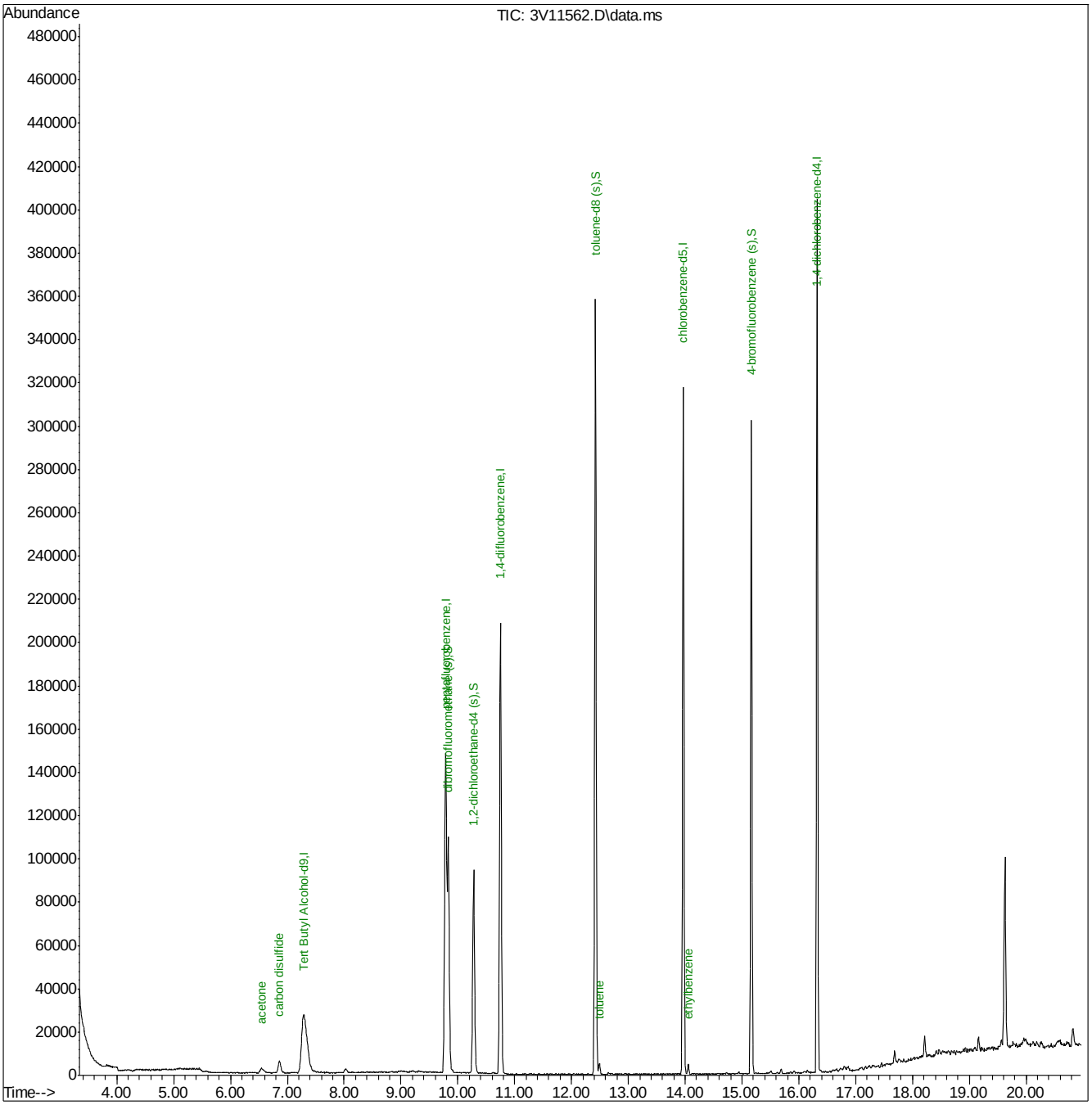
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	101044	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	138236	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	201278	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	179122	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	99870	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	82629	47.24	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 94.48%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	79731	52.06	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 104.12%			
71) toluene-d8 (s)	12.418	98	252425	50.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.28%			
95) 4-bromofluorobenzene (s)	15.165	95	99266	56.69	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 113.38%			
Target Compounds						Qvalue
17) acetone	6.546	43	7173	14.66	ug/L	86
22) carbon disulfide	6.860	76	13886	2.01	ug/L	96
73) toluene	12.491	92	2413	0.66	ug/L	98
88) ethylbenzene	14.054	91	4210	0.60	ug/L	94

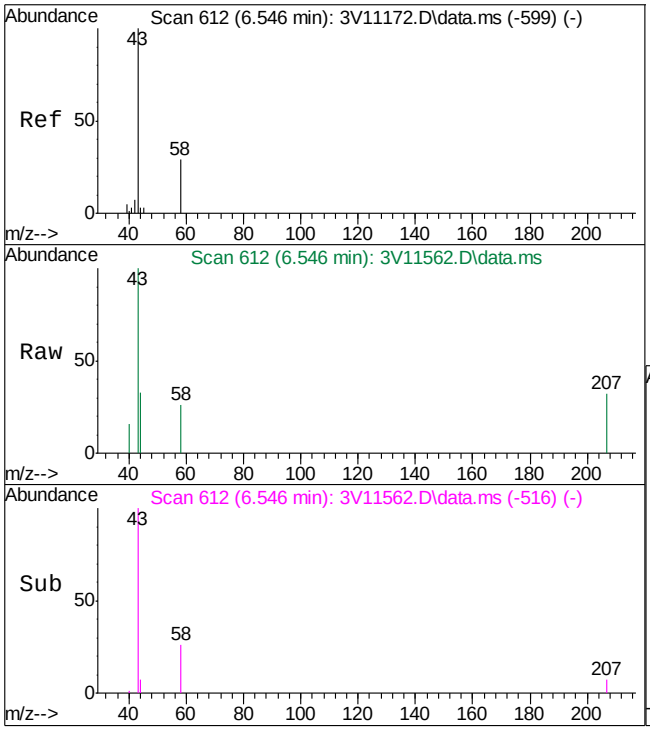
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11562.D
Acq On : 9 Jun 2014 5:39 pm
Operator : thienn
Sample : jb68318-9
Misc : MS68601,V3V492,3.0,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 17:22:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

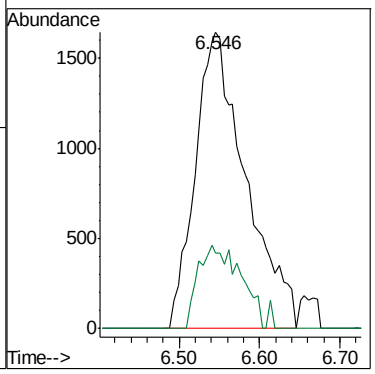


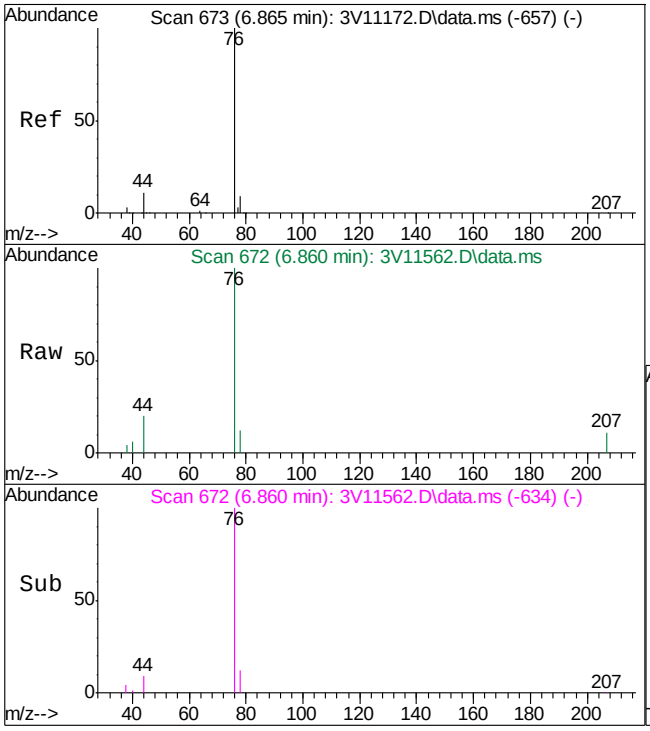


#17
acetone
Concen: 14.66 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11562.D
Acq: 9 Jun 2014 5:39 pm

Tgt Ion: 43 Resp: 7173

Ion	Ratio	Lower	Upper
43	100		
58	25.5	3.8	63.8

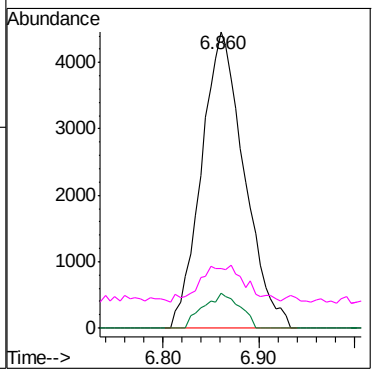


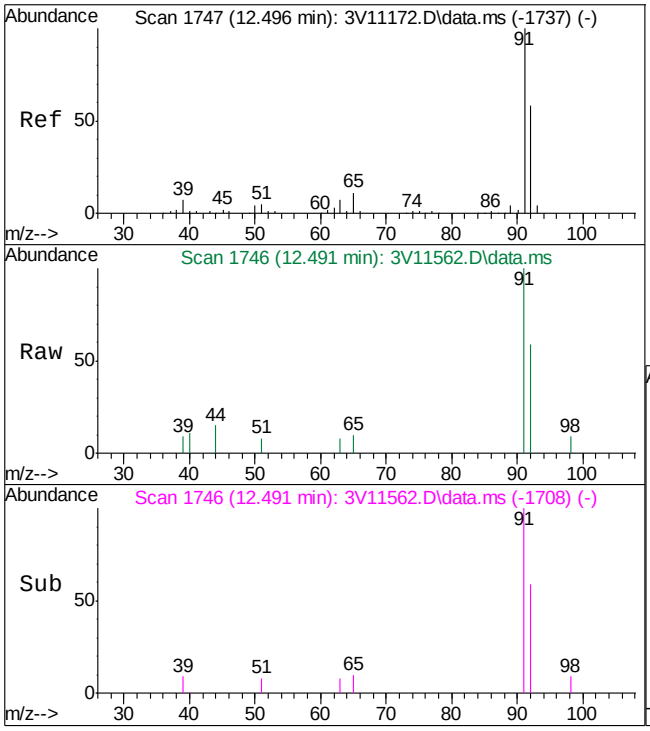


#22
carbon disulfide
Concen: 2.01 ug/L
RT: 6.860 min Scan# 672
Delta R.T. 0.000 min
Lab File: 3V11562.D
Acq: 9 Jun 2014 5:39 pm

Tgt Ion: 76 Resp: 13886

Ion	Ratio	Lower	Upper
76	100		
78	11.8	0.0	39.0
44	10.2	0.0	40.7

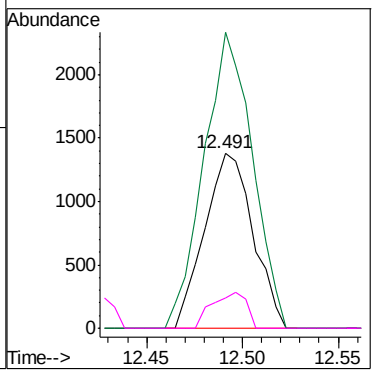


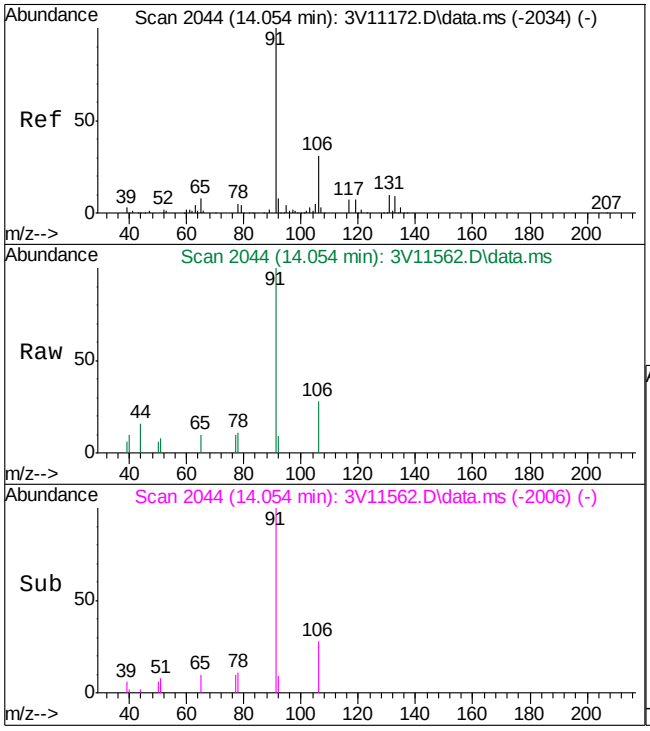


#73
toluene
Concen: 0.66 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11562.D
Acq: 9 Jun 2014 5:39 pm

Tgt Ion: 92 Resp: 2413

Ion	Ratio	Lower	Upper
92	100		
91	169.1	141.7	201.7
65	17.4	0.0	48.2

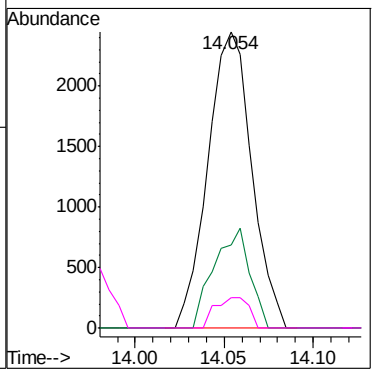




#88
ethylbenzene
Concen: 0.60 ug/L
RT: 14.054 min Scan# 2044
Delta R.T. -0.000 min
Lab File: 3V11562.D
Acq: 9 Jun 2014 5:39 pm

Tgt Ion: 91 Resp: 4210

Ion	Ratio	Lower	Upper
91	100		
106	28.0	1.7	61.7
77	10.4	0.0	38.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11563.D
Acq On : 9 Jun 2014 6:05 pm
Operator : thienn
Sample : jb68318-10
Misc : MS68601,V3V492,3.6,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 17:23:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

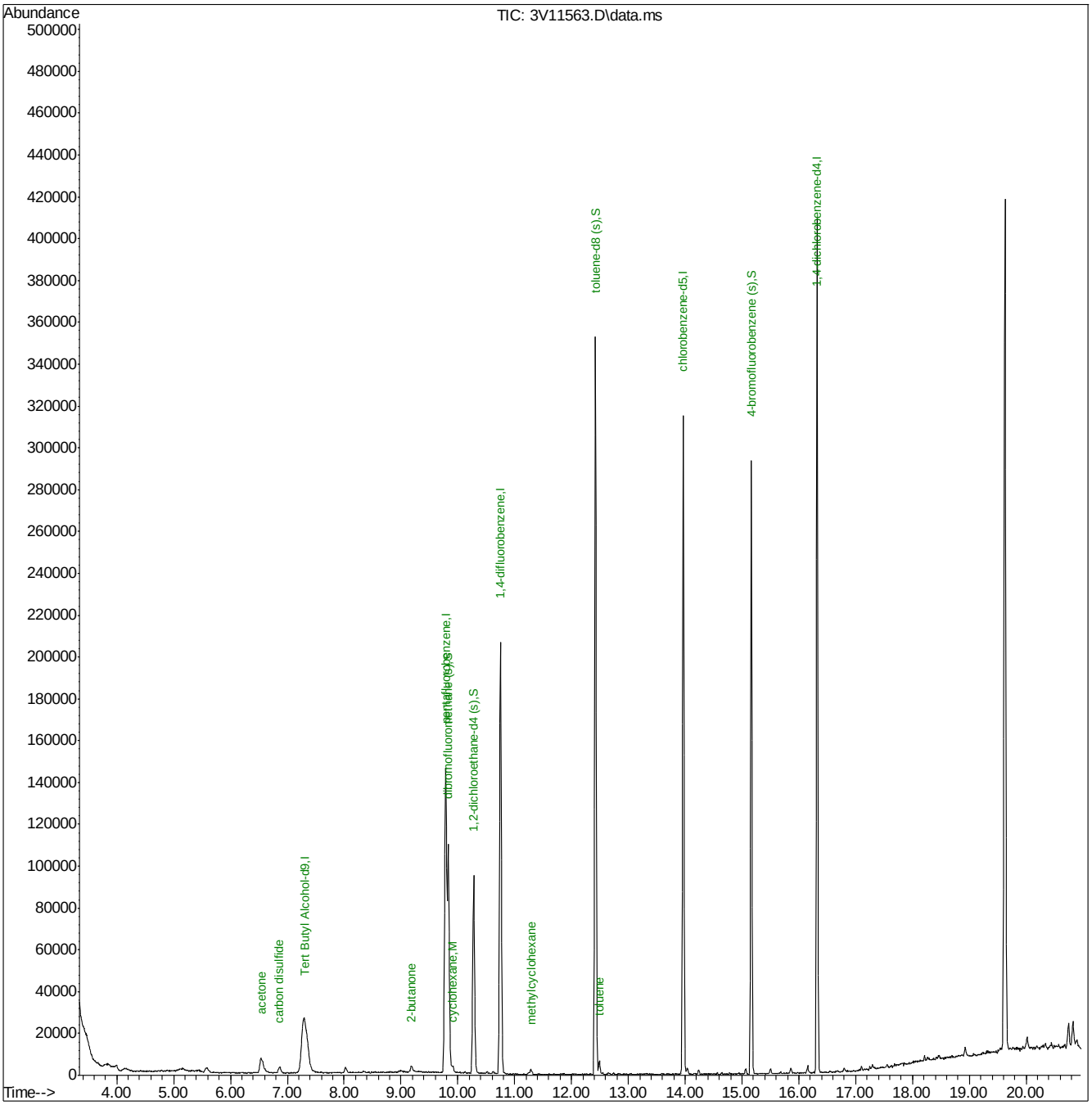
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	104035	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	136200	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	197488	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	178069	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	100999	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	82301	47.76	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.52%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	79780	52.87	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 105.74%			
71) toluene-d8 (s)	12.418	98	251294	51.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.76%			
95) 4-bromofluorobenzene (s)	15.165	95	93828	52.98	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.96%			
Target Compounds						Qvalue
17) acetone	6.540	43	23058	47.83	ug/L	90
22) carbon disulfide	6.855	76	7273	1.07	ug/L	91
30) 2-butanone	9.178	72	1087	7.16	ug/L #	6
52) cyclohexane	9.912	84	1897	0.74	ug/L #	78
67) methylcyclohexane	11.291	83	1326	0.50	ug/L	89
73) toluene	12.491	92	3039	0.85	ug/L	96

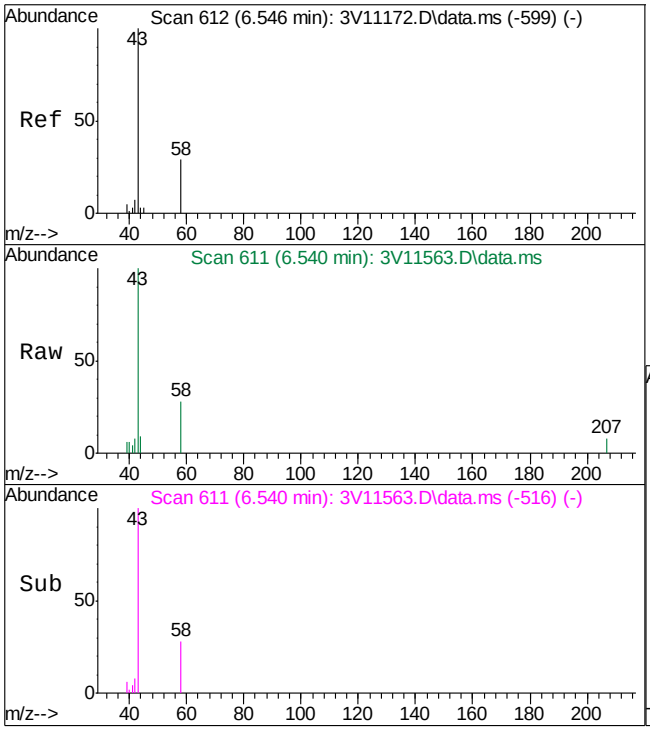
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11563.D
Acq On : 9 Jun 2014 6:05 pm
Operator : thienn
Sample : jb68318-10
Misc : MS68601,V3V492,3.6,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 17:23:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

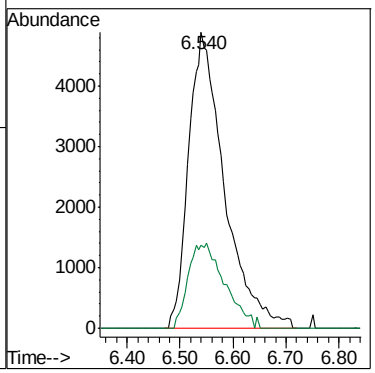


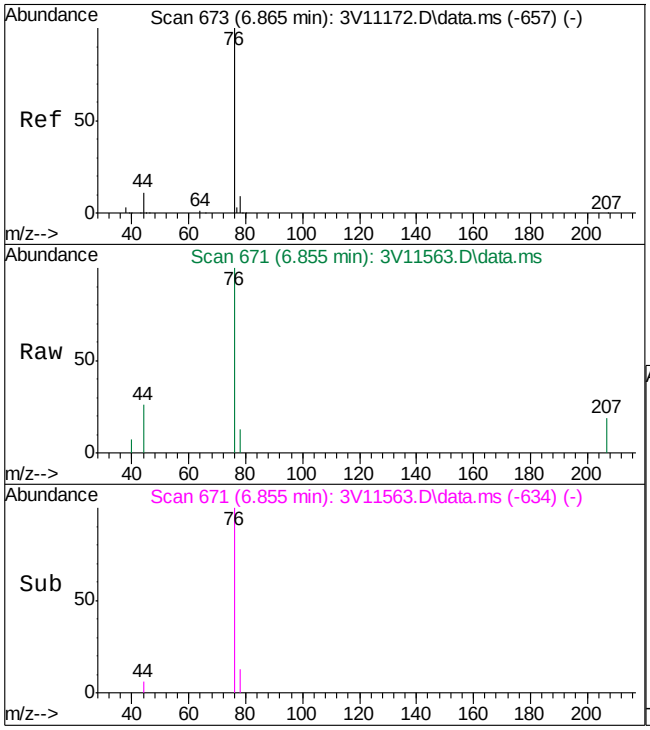


#17
acetone
Concen: 47.83 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11563.D
Acq: 9 Jun 2014 6:05 pm

Tgt Ion: 43 Resp: 23058

Ion	Ratio	Lower	Upper
43	100		
58	27.9	3.8	63.8

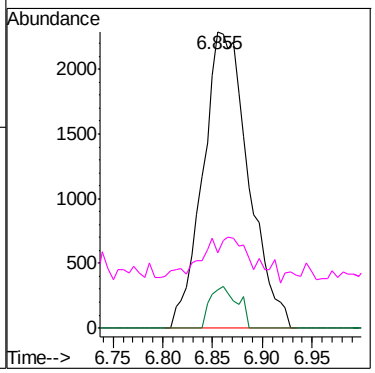


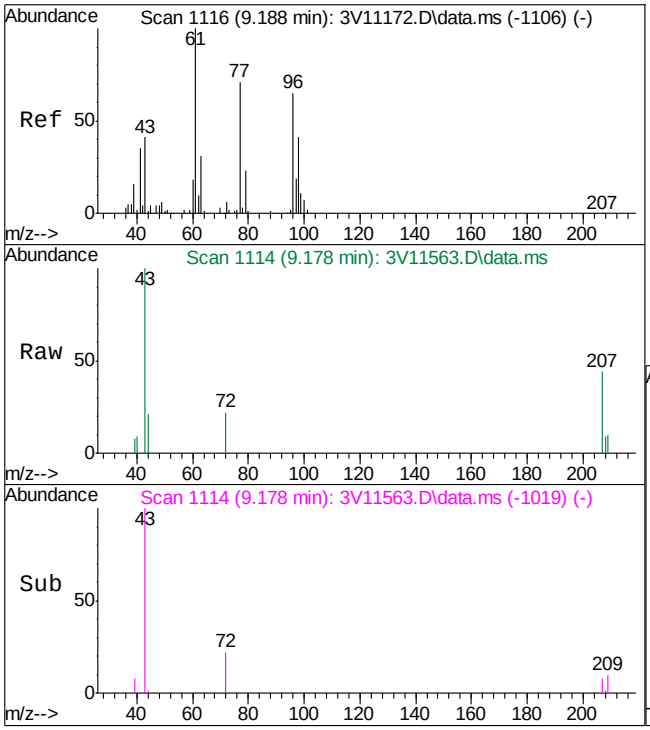


#22
carbon disulfide
Concen: 1.07 ug/L
RT: 6.855 min Scan# 671
Delta R.T. -0.005 min
Lab File: 3V11563.D
Acq: 9 Jun 2014 6:05 pm

Tgt Ion: 76 Resp: 7273

Ion	Ratio	Lower	Upper
76	100		
78	13.0	0.0	39.0
44	7.8	0.0	40.7

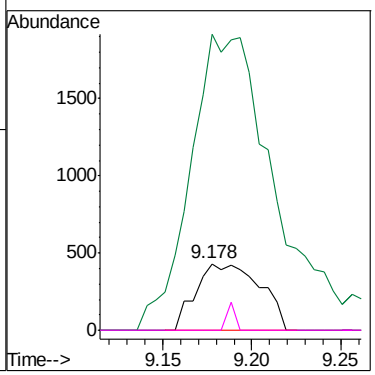


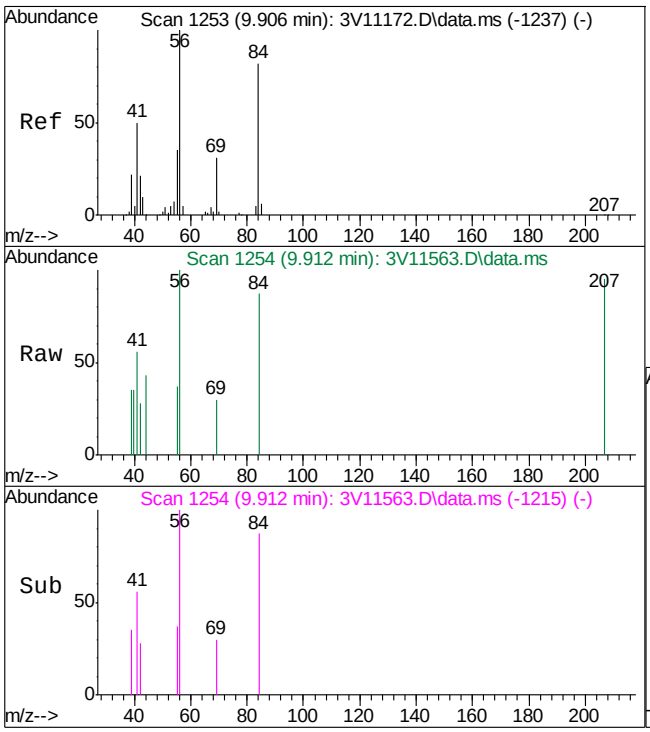


#30
2-butanone
Concen: 7.16 ug/L
RT: 9.178 min Scan# 1114
Delta R.T. -0.000 min
Lab File: 3V11563.D
Acq: 9 Jun 2014 6:05 pm

Tgt Ion: 72 Resp: 1087

Ion	Ratio	Lower	Upper
72	100		
43	582.7	704.9	1309.1#
57	0.0	17.5	32.5#

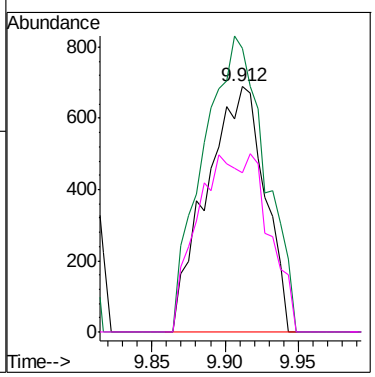


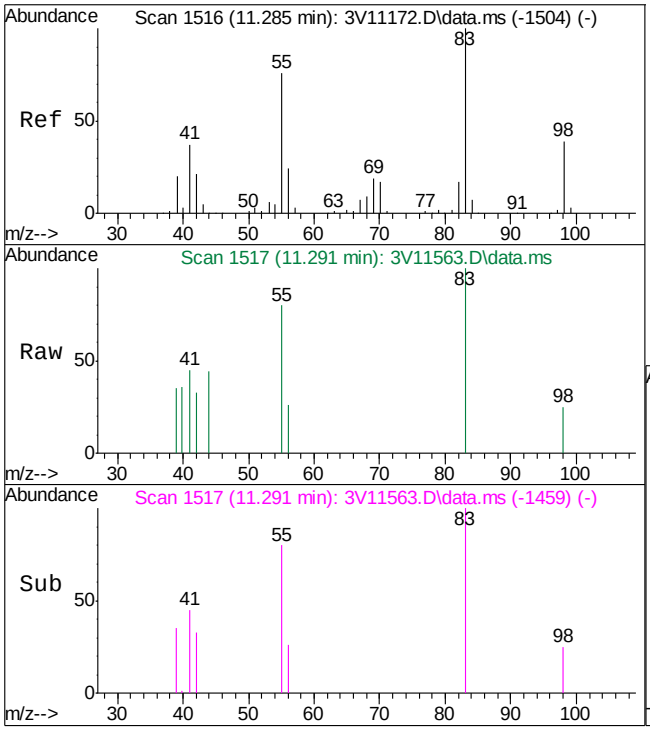


#52
cyclohexane
Concen: 0.74 ug/L
RT: 9.912 min Scan# 1254
Delta R.T. 0.005 min
Lab File: 3V11563.D
Acq: 9 Jun 2014 6:05 pm

Tgt Ion: 84 Resp: 1897

Ion	Ratio	Lower	Upper
84	100		
56	128.6	86.7	146.7
41	87.5	25.3	85.3#

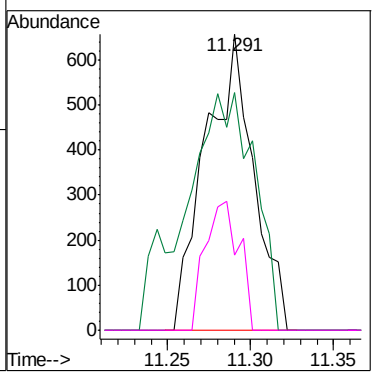


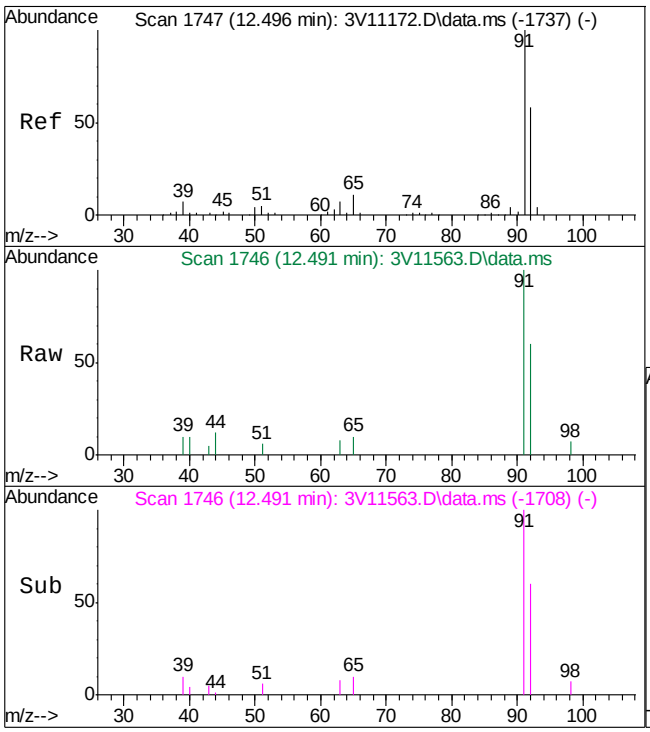


#67
methylcyclohexane
Concen: 0.50 ug/L
RT: 11.291 min Scan# 1517
Delta R.T. 0.006 min
Lab File: 3V11563.D
Acq: 9 Jun 2014 6:05 pm

Tgt Ion: 83 Resp: 1326

Ion	Ratio	Lower	Upper
83	100		
55	80.4	46.1	106.1
98	25.4	8.8	68.8

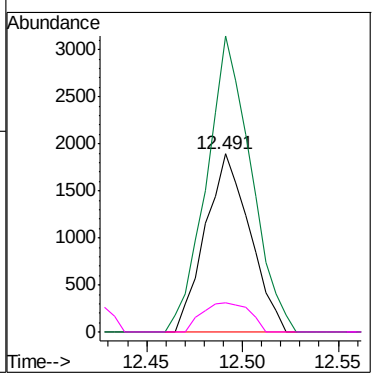




#73
toluene
Concen: 0.85 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11563.D
Acq: 9 Jun 2014 6:05 pm

Tgt Ion: 92 Resp: 3039

Ion	Ratio	Lower	Upper
92	100		
91	166.1	141.7	201.7
65	16.5	0.0	48.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11523.D
Acq On : 7 Jun 2014 1:06 pm
Operator : thienn
Sample : mb
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 16:42:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

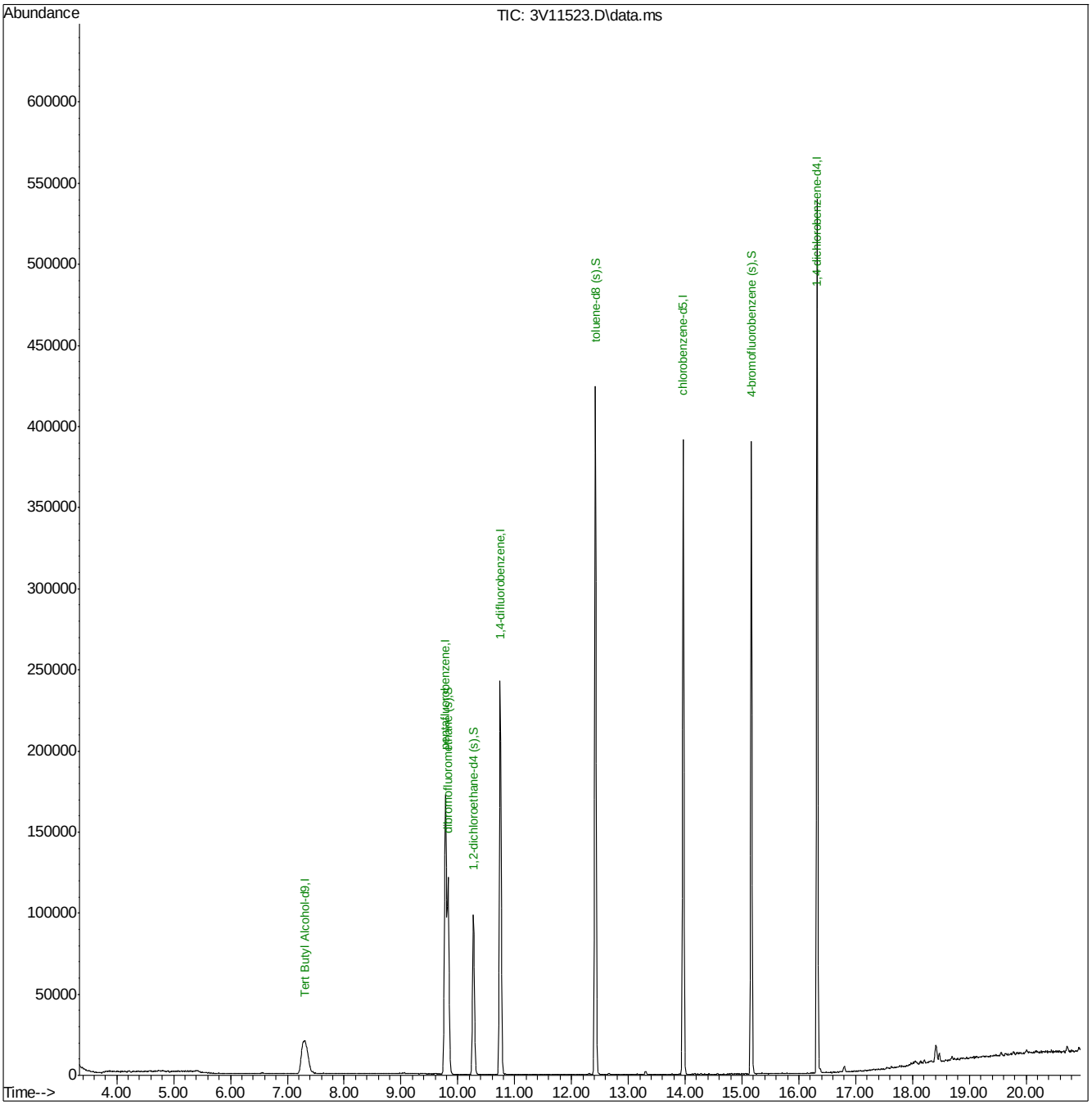
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	90948	500.00	ug/L	0.00
5) pentafluorobenzene	9.780	168	163823	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	237213	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	223051	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	136107	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	91558	44.17	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 88.34%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	83045	45.76	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 91.52%			
71) toluene-d8 (s)	12.418	98	305145	51.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.88%			
95) 4-bromofluorobenzene (s)	15.165	95	127827	53.56	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 107.12%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11523.D
Acq On : 7 Jun 2014 1:06 pm
Operator : thienn
Sample : mb
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 16:42:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119274.D
Acq On : 9 Jun 2014 11:33 am
Operator : toanp
Sample : mb
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 15:03:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

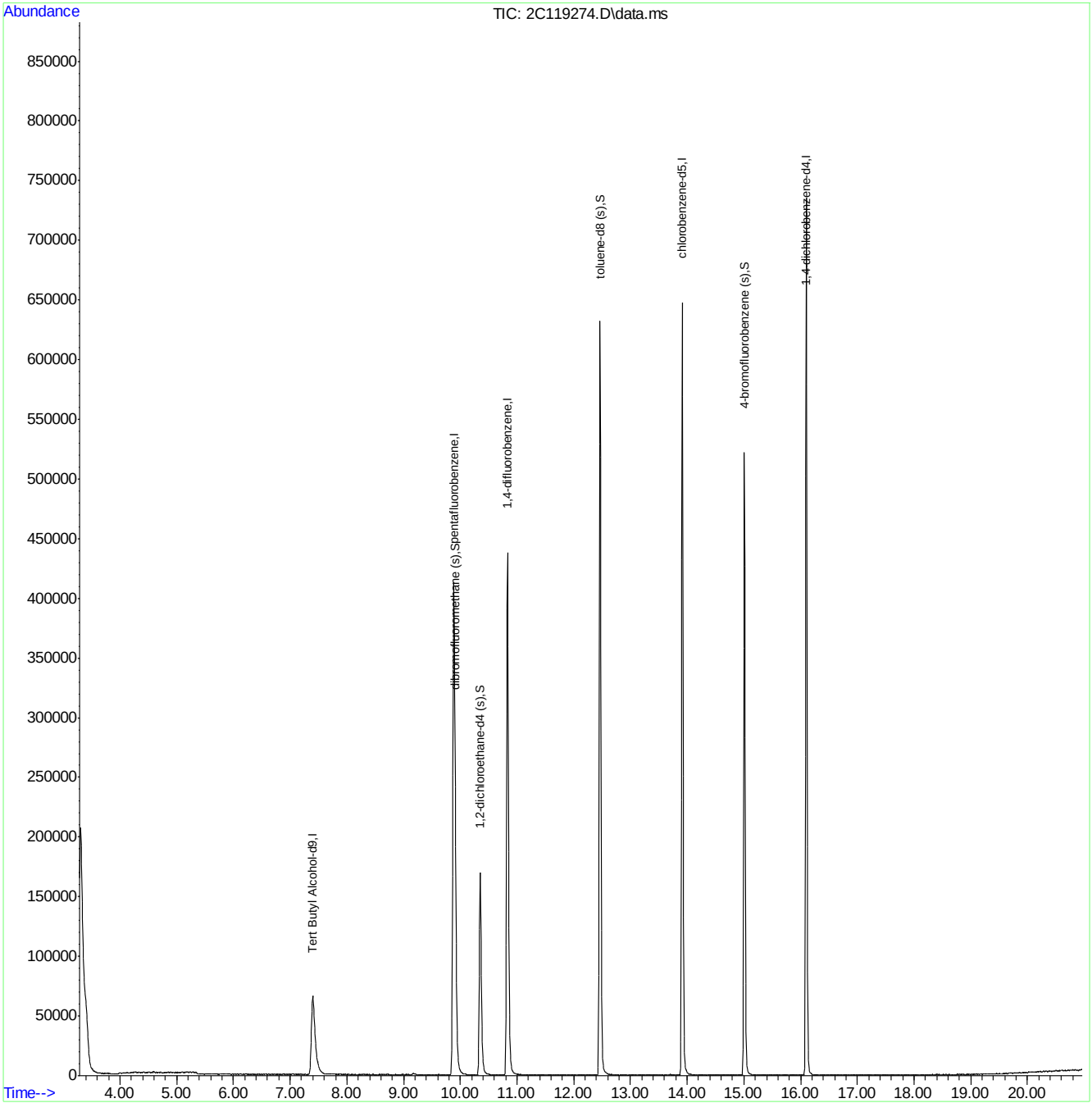
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.397	65	190543	500.00	ug/L	-0.02
5) pentafluorobenzene	9.882	168	390188	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.831	114	449401	50.00	ug/L	0.00
92) chlorobenzene-d5	13.914	117	384980	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	200568	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	129208	48.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.76%			
55) 1,2-dichloroethane-d4 (s)	10.349	65	149686	48.52	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 97.04%			
84) toluene-d8 (s)	12.467	98	474664	54.98	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 109.96%			
109) 4-bromofluorobenzene (s)	15.010	95	171147	52.87	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 105.74%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119274.D
Acq On : 9 Jun 2014 11:33 am
Operator : toanp
Sample : mb
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 15:03:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3v11500\
Data File : 3V11553.D
Acq On : 9 Jun 2014 1:15 pm
Operator : thienn
Sample : mb1
Misc : MS68601,V3V492,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 15:43:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

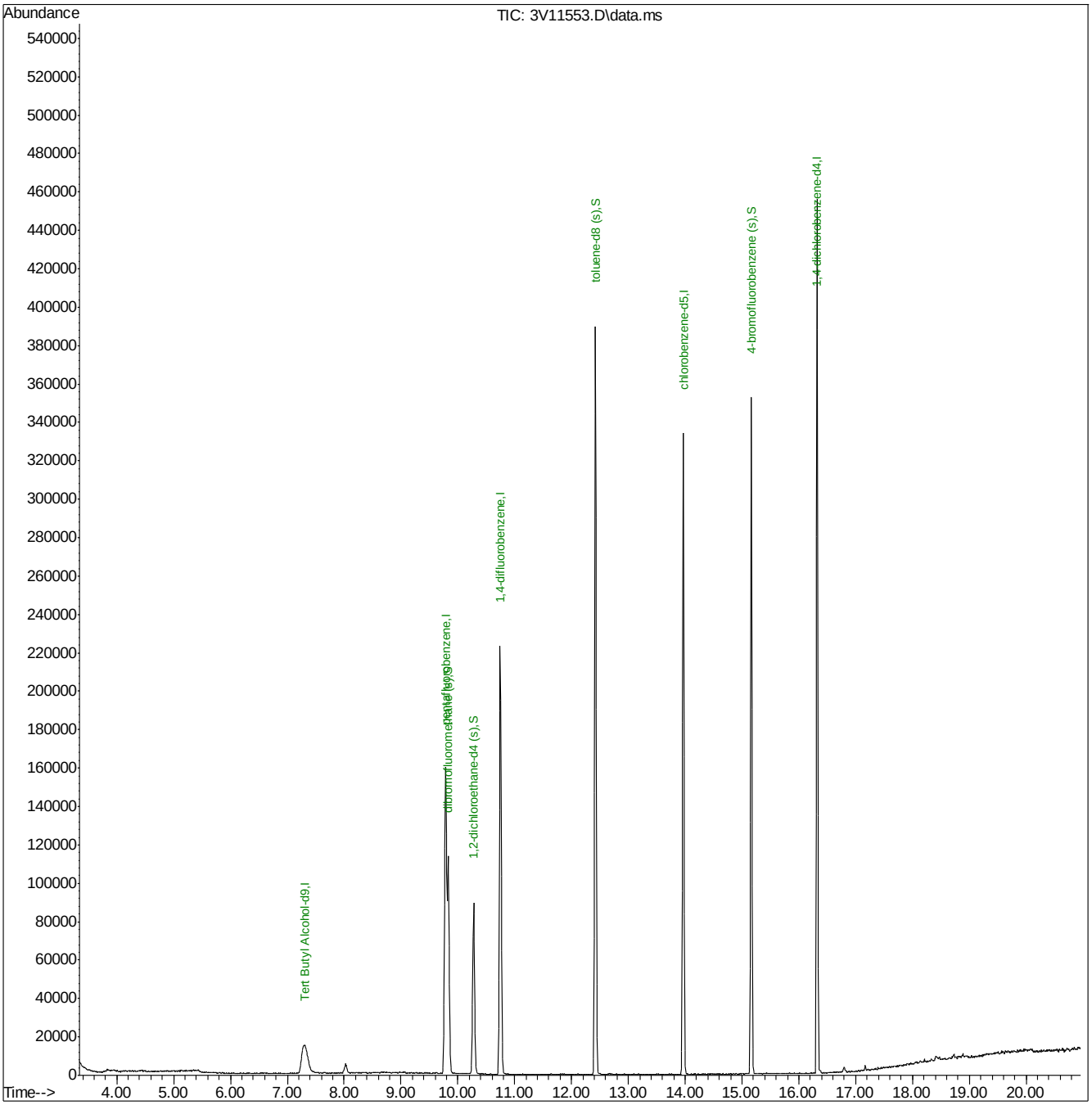
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	63639	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	149768	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	214492	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	193069	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	115458	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	85240	44.98	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.96%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	77337	46.61	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 93.22%			
71) toluene-d8 (s)	12.418	98	280963	52.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 105.78%			
95) 4-bromofluorobenzene (s)	15.165	95	114149	56.39	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 112.78%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3v11500\
Data File : 3V11553.D
Acq On : 9 Jun 2014 1:15 pm
Operator : thienn
Sample : mb1
Misc : MS68601,V3V492,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 15:43:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11548.D
Acq On : 9 Jun 2014 10:37 am
Operator : thienn
Sample : mb2
Misc : MS68678,V3V491,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 17:04:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

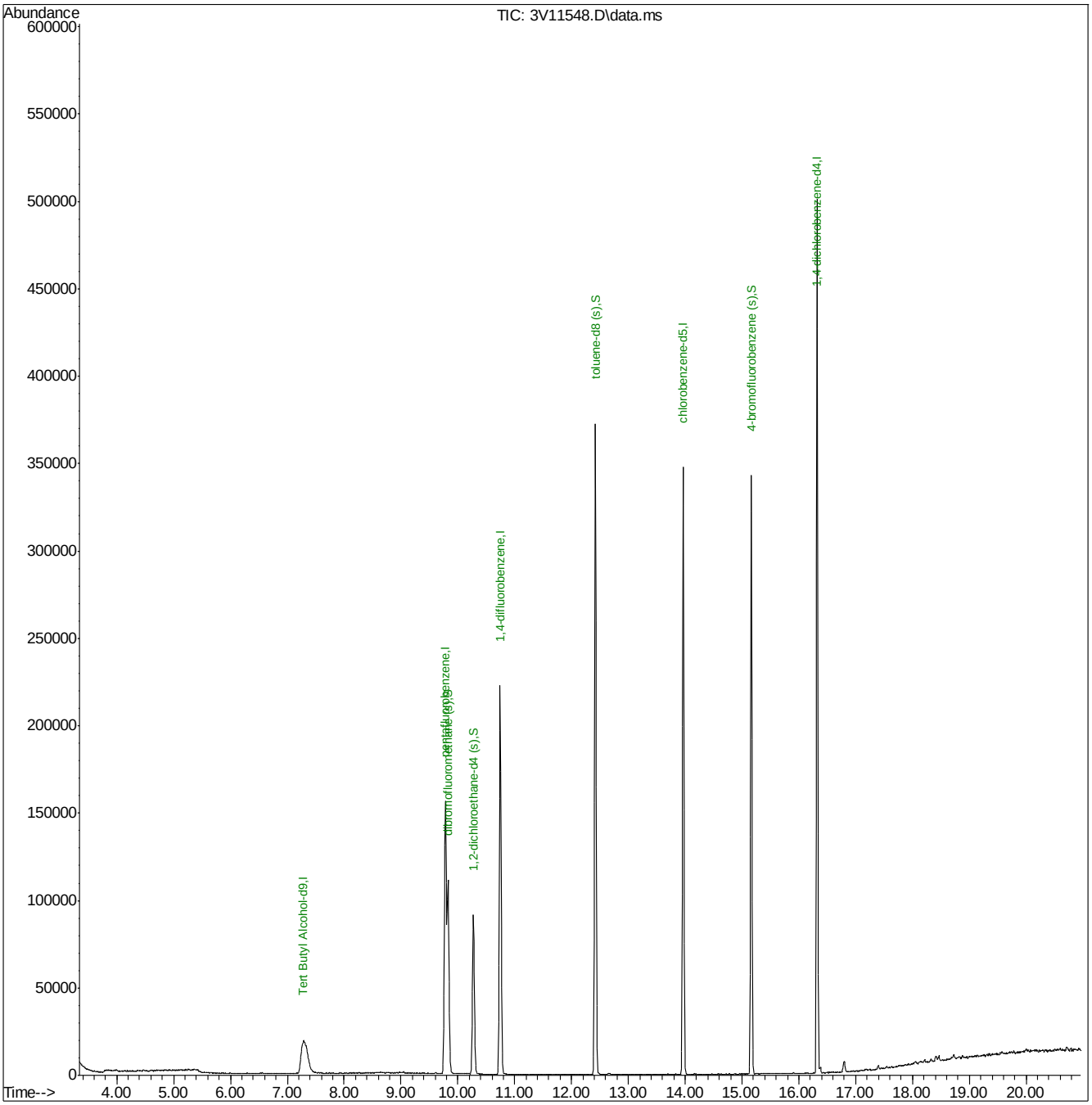
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.280	65	86312	500.00	ug/L	#-0.03
5) pentafluorobenzene	9.780	168	145603	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	211188	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	195582	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	124754	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	82578	44.82	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.64%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	77509	48.05	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 96.10%			
71) toluene-d8 (s)	12.418	98	266261	50.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.82%			
95) 4-bromofluorobenzene (s)	15.165	95	114662	52.42	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 104.84%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11548.D
Acq On : 9 Jun 2014 10:37 am
Operator : thienn
Sample : mb2
Misc : MS68678,V3V491,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 17:04:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11524.D
Acq On : 7 Jun 2014 1:44 pm
Operator : thienn
Sample : bs
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:43:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.316	65	102753	500.00	ug/L		0.01
5) pentafluorobenzene	9.786	168	159993	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	231186	50.00	ug/L		0.00
79) chlorobenzene-d5	13.965	117	210823	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	131507	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.828	113	88928	43.93	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 87.86%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	81852	46.18	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.36%				
71) toluene-d8 (s)	12.418	98	294604	51.45	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.90%				
95) 4-bromofluorobenzene (s)	15.165	95	121242	52.58	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.16%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.506	88	34082	1301.31	ug/L		99
4) tertiary butyl alcohol	7.447	59	76275	277.13	ug/L		99
6) chlorodifluoromethane	3.552	51	146474	47.50	ug/L		96
7) dichlorodifluoromethane	3.536	85	246267	57.94	ug/L		99
8) chloromethane	3.866	50	213437	58.34	ug/L		98
9) vinyl chloride	4.129	62	227334	57.73	ug/L		100
10) bromomethane	4.810	94	134565	53.82	ug/L		98
11) chloroethane	4.994	64	75104	57.79	ug/L		98
12) trichlorofluoromethane	5.513	101	240051	55.37	ug/L		98
13) ethyl ether	5.964	74	46270	57.54	ug/L	#	85
14) 2-chloropropane	6.184	43	195027	62.77	ug/L		98
15) acrolein	6.284	56	184502	573.67	ug/L		99
16) 1,1-dichloroethene	6.430	96	111420	51.43	ug/L		87
17) acetone	6.535	43	31993	56.50	ug/L		93
18) allyl chloride	7.049	76	59046	59.63	ug/L		88
19) acetonitrile	7.059	40	88529	632.81	ug/L	#	82
20) iodomethane	6.740	142	232911	51.48	ug/L		99
21) iso-butyl alcohol	10.137	41	40331	657.85	ug/L		98
22) carbon disulfide	6.860	76	466325	58.35	ug/L		98
23) methylene chloride	7.285	84	121408	47.74	ug/L		90
24) 1-chloropropane	7.301	42	176552	51.00	ug/L		99
25) methyl acetate	7.049	74	11983	53.01	ug/L	#	85
26) methyl tert butyl ether	7.636	73	582817	111.87	ug/L		99
27) trans-1,2-dichloroethene	7.694	96	109710	47.86	ug/L		95
28) di-isopropyl ether	8.334	45	333418	60.91	ug/L		93
29) ethyl tert-butyl ether	8.858	59	316397	57.63	ug/L		98
30) 2-butanone	9.178	72	10032	56.26	ug/L		76
31) 1,1-dichloroethane	8.360	63	202009	57.55	ug/L		99
32) chloroprene	8.470	53	124420	53.72	ug/L		97
33) acrylonitrile	7.694	53	162659	315.34	ug/L		97
34) vinyl acetate	8.365	86	11836	59.40	ug/L		61
35) ethyl acetate	9.199	45	10943	62.19	ug/L		75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11524.D
Acq On : 7 Jun 2014 1:44 pm
Operator : thienn
Sample : bs
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:43:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	2,2-dichloropropane	9.188	77	187311	52.74	ug/L		98
37)	cis-1,2-dichloroethene	9.193	96	116558	44.60	ug/L		91
38)	propionitrile	9.319	54	139167	610.85	ug/L		99
39)	methyl acrylate	9.283	55	87354	58.62	ug/L	#	96
40)	bromochloromethane	9.539	128	54991	51.02	ug/L		88
41)	tetrahydrofuran	9.566	42	30975	65.09	ug/L		94
42)	chloroform	9.613	83	191239	50.16	ug/L		99
45)	freon 113	6.409	151	100819	52.17	ug/L		98
46)	methacrylonitrile	9.498	41	45334	61.33	ug/L		90
47)	1,1,1-trichloroethane	9.854	97	193622	54.56	ug/L		99
48)	tert-amyl methyl ether	10.373	73	300494	54.79	ug/L		96
50)	epichlorohydrin	12.067	57	43073	334.31	ug/L		99
51)	n-butyl alcohol	10.934	56	183369	3533.29	ug/L		95
52)	cyclohexane	9.906	84	179457	59.52	ug/L		96
53)	carbon tetrachloride	10.059	117	177010	57.93	ug/L		99
54)	1,1-dichloropropene	10.043	75	134211	55.91	ug/L		98
56)	ISOOCTANE	10.310	57	369608	54.31	ug/L		94
57)	benzene	10.326	78	402278	55.83	ug/L		98
58)	heptane	10.504	57	62220	53.40	ug/L		97
59)	isopropyl acetate	10.289	43	228184	67.09	ug/L		96
60)	1,2-dichloroethane	10.373	62	118134	58.45	ug/L		98
61)	trichloroethene	11.086	95	103494	55.02	ug/L		98
63)	2-nitropropane	11.936	43	174981	72.76	ug/L		97
64)	2-chloroethyl vinyl ether	11.936	63	249985	378.43	ug/L		99
65)	methyl methacrylate	11.280	41	99570	83.40	ug/L		83
66)	1,2-dichloropropane	11.374	63	100869	58.23	ug/L		97
67)	methylcyclohexane	11.285	83	169076	54.49	ug/L		90
68)	dibromomethane	11.542	93	60572	55.62	ug/L		99
69)	bromodichloromethane	11.679	83	131698	57.17	ug/L		99
70)	cis-1,3-dichloropropene	12.145	75	144169	56.27	ug/L		97
72)	4-methyl-2-pentanone	12.250	58	35039	65.84	ug/L		89
73)	toluene	12.491	92	217962	51.83	ug/L		97
74)	3-methyl-1-butanol	12.292	70	60189	1329.68	ug/L		91
75)	trans-1,3-dichloropropene	12.722	75	121771	55.88	ug/L		100
76)	ethyl methacrylate	12.706	69	95112	58.59	ug/L		92
77)	1,1,2-trichloroethane	12.937	83	65943	56.00	ug/L		100
78)	2-hexanone	13.115	58	30171	62.08	ug/L		95
80)	tetrachloroethene	13.073	166	107915	55.16	ug/L		98
81)	1,3-dichloropropane	13.120	76	115207	58.20	ug/L		99
82)	butyl acetate	13.183	56	51388	62.96	ug/L		88
83)	dibromochloromethane	13.383	129	99298	54.80	ug/L		97
84)	1,2-dibromoethane	13.529	107	81883	57.87	ug/L		100
86)	chlorobenzene	14.001	112	261320	54.99	ug/L		98
87)	1,1,1,2-tetrachloroethane	14.064	131	107902	55.42	ug/L		98
88)	ethylbenzene	14.054	91	458348	55.35	ug/L		99
89)	m,p-xylene	14.164	106	347134	106.95	ug/L		98
90)	o-xylene	14.594	106	177653	56.36	ug/L		93
91)	styrene	14.615	104	283637	58.95	ug/L		99
92)	bromoform	14.898	173	74809	56.53	ug/L		96
94)	isopropylbenzene	14.945	105	490094	58.96	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11524.D
Acq On : 7 Jun 2014 1:44 pm
Operator : thienn
Sample : bs
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:43:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

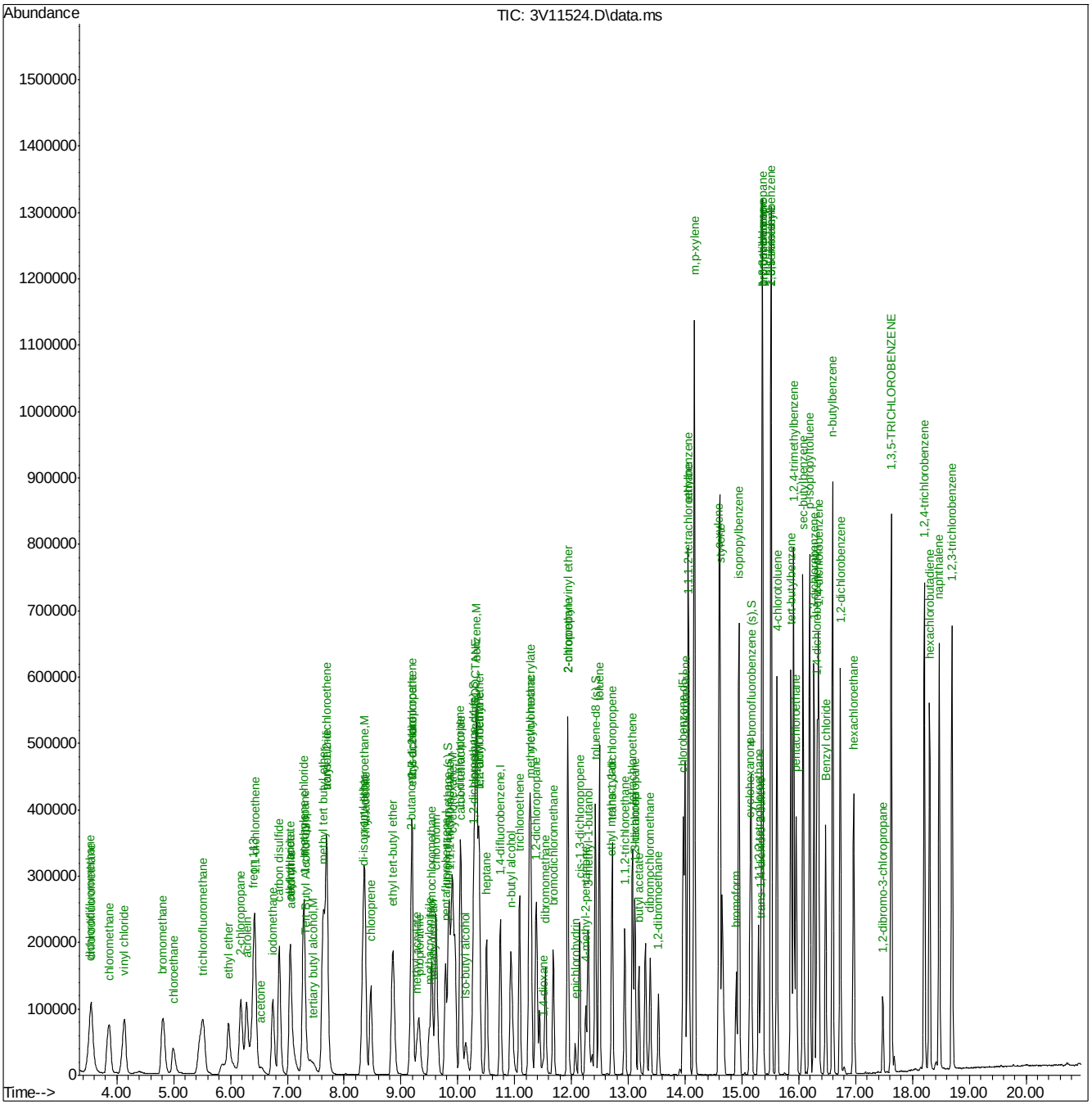
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	126233	55.06	ug/L	96
97)	cyclohexanone	15.144	55	119924	371.20	ug/L	97
98)	1,1,2,2-tetrachloroethane	15.291	83	122820	57.21	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.328	53	30656	63.93	ug/L	83
100)	1,2,3-trichloropropane	15.359	110	26764	57.89	ug/L	99
101)	n-propylbenzene	15.359	91	618837	61.74	ug/L	98
102)	2-chlorotoluene	15.511	126	121085	56.18	ug/L	92
103)	4-chlorotoluene	15.616	91	349513	56.26	ug/L	99
104)	1,3,5-trimethylbenzene	15.517	105	415311	57.63	ug/L	99
105)	tert-butylbenzene	15.863	119	327076	55.16	ug/L	99
106)	pentachloroethane	15.952	167	83462	54.02	ug/L	98
107)	1,2,4-trimethylbenzene	15.910	105	446748	58.61	ug/L	97
108)	sec-butylbenzene	16.072	105	566088	57.26	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	254708	52.46	ug/L	99
110)	p-isopropyltoluene	16.193	119	481538	58.89	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	256416	52.32	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	255558	53.30	ug/L	100
113)	n-butylbenzene	16.597	92	275029	58.88	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.477	75	27609	57.40	ug/L	96
115)	1,3,5-TRICHLOROBENZENE	17.624	180	261592	54.52	ug/L	99
116)	1,2,4-trichlorobenzene	18.211	180	233772	52.02	ug/L	98
117)	hexachlorobutadiene	18.301	225	123451	52.77	ug/L	99
118)	naphthalene	18.468	128	481534	53.77	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	222936	53.07	ug/L	100
120)	hexachloroethane	16.964	119	94847	53.69	ug/L	98
121)	Benzyl chloride	16.471	91	260409	61.29	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11524.D
Acq On : 7 Jun 2014 1:44 pm
Operator : thienn
Sample : bs
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:43:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119275.D
Acq On : 9 Jun 2014 12:11 pm
Operator : toanp
Sample : bs
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 09 16:32:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	196520	500.00	ug/L		-0.01
5) pentafluorobenzene	9.877	168	377319	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.832	114	436903	50.00	ug/L		0.00
92) chlorobenzene-d5	13.915	117	380167	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	201041	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.909	113	125007	48.90	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.80%				
55) 1,2-dichloroethane-d4 (s)	10.344	65	142253	47.69	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 95.38%				
84) toluene-d8 (s)	12.462	98	459114	54.70	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 109.40%				
109) 4-bromofluorobenzene (s)	15.005	95	163712	50.45	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.90%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.534	59	113860	250.07	ug/L		100
3) ethanol	6.040	45	154222	5921.96	ug/L		100
4) 1,4-dioxane	11.566	88	47451	1566.53	ug/L		90
11) chlorodifluoromethane	3.748	51	99624	34.58	ug/L		99
12) dichlorodifluoromethane	3.743	85	112196	36.63	ug/L		99
15) chloromethane	4.052	50	170931	41.45	ug/L		99
16) vinyl chloride	4.320	62	156066	42.68	ug/L		96
17) bromomethane	4.996	94	97286	42.44	ug/L		99
18) chloroethane	5.190	64	88581	53.39	ug/L		99
19) trichlorofluoromethane	5.714	101	166883	42.16	ug/L		95
21) ethyl ether	6.160	74	75222	48.75	ug/L		88
22) 2-CHLOROPROPANE	6.365	43	221958	47.33	ug/L	#	99
26) acrolein	6.427	56	348876	446.36	ug/L		98
27) 1,1-dichloroethene	6.621	96	109800	48.10	ug/L		96
28) acetone	6.684	58	15495	53.01	ug/L		97
29) allyl chloride	7.209	76	76992	49.96	ug/L	#	77
30) acetonitrile	7.172	40	164168	480.88	ug/L	#	76
31) iodomethane	6.915	142	225945	47.79	ug/L		96
32) iso-butyl alcohol	10.150	74	18143	494.35	ug/L		69
33) carbon disulfide	7.057	76	410888	51.89	ug/L		100
34) methylene chloride	7.424	84	131355	48.74	ug/L		99
35) 1-CHLOROPROPANE	7.455	42	228656	42.80	ug/L		100
36) methyl acetate	7.203	43	111954	40.51	ug/L		98
37) methyl tert butyl ether	7.801	73	729925	95.63	ug/L		98
38) trans-1,2-dichloroethene	7.848	96	114996	45.73	ug/L		98
39) di-isopropyl ether	8.483	45	430482	46.15	ug/L		94
40) 2-butanone	9.264	72	20723	52.04	ug/L		90
41) 1,1-dichloroethane	8.477	63	240465	51.85	ug/L		98
42) chloroprene	8.603	53	144590	37.88	ug/L		99
43) acrylonitrile	7.780	53	323583	247.93	ug/L		99
44) vinyl acetate	8.488	86	25511	49.91	ug/L		81
45) ethyl tert-butyl ether	8.997	59	382253	46.82	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119275.D
Acq On : 9 Jun 2014 12:11 pm
Operator : toanp
Sample : bs
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 09 16:32:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	ethyl acetate	9.301	45	25896	49.38	ug/L	97
47)	2,2-dichloropropane	9.290	77	157300	47.41	ug/L	96
48)	cis-1,2-dichloroethene	9.290	96	133358	48.62	ug/L	99
49)	propionitrile	9.353	54	264571	512.12	ug/L	99
50)	bromochloromethane	9.626	128	69719	49.04	ug/L	99
51)	tetrahydrofuran	9.673	42	60802	45.17	ug/L	97
52)	chloroform	9.694	83	216127	47.64	ug/L	98
53)	t-butyl formate	9.731	59	109357	47.78	ug/L	97
56)	freon 113	6.595	151	75430	39.05	ug/L	97
57)	methacrylonitrile	9.563	41	100813	48.16	ug/L	98
58)	1,1,1-trichloroethane	9.956	97	171625	49.14	ug/L	99
59)	Cyclohexane	10.035	84	160951	46.47	ug/L	99
63)	epichlorohydrin	12.085	57	91881	276.98	ug/L	97
64)	n-butyl alcohol	10.984	56	298454	3192.47	ug/L	96
65)	carbon tetrachloride	10.176	117	162656	53.17	ug/L	97
66)	1,1-dichloropropene	10.155	75	154306	49.15	ug/L	97
69)	iso-octane	10.444	57	270992	40.37	ug/L	96
70)	benzene	10.423	78	484039	50.17	ug/L	99
71)	tert-amyl methyl ether	10.480	87	81305	48.58	ug/L	95
72)	heptane	10.632	57	103042	38.95	ug/L	98
73)	isopropyl acetate	10.375	43	341436	52.48	ug/L	99
74)	1,2-dichloroethane	10.438	62	166244	54.59	ug/L	100
75)	trichloroethene	11.172	95	122181	51.71	ug/L	97
76)	2-nitropropane	11.938	41	60221	48.47	ug/L	99
77)	2-chloroethyl vinyl ether	11.969	63	440950	261.19	ug/L	99
78)	methyl methacrylate	11.461	100	38585	51.23	ug/L	90
79)	1,2-dichloropropane	11.429	63	133558	52.85	ug/L	100
80)	dibromomethane	11.592	93	84873	53.75	ug/L	99
81)	methylcyclohexane	11.393	83	154231	39.16	ug/L	94
82)	bromodichloromethane	11.728	83	176590	55.50	ug/L	100
83)	cis-1,3-dichloropropene	12.179	75	214293	53.35	ug/L	98
85)	4-methyl-2-pentanone	12.273	58	68709	53.41	ug/L	96
86)	toluene	12.530	92	286814	52.69	ug/L	100
87)	3-methyl-1-butanol	12.310	55	166463	1183.91	ug/L	98
88)	trans-1,3-dichloropropene	12.730	75	196745	53.08	ug/L	98
89)	ethyl methacrylate	12.735	69	187244	52.19	ug/L	99
90)	1,1,2-trichloroethane	12.929	83	104176	53.69	ug/L	99
91)	2-hexanone	13.102	58	63238	51.74	ug/L	99
93)	tetrachloroethene	13.102	164	104420	49.10	ug/L	97
94)	1,3-dichloropropane	13.107	76	196687	51.89	ug/L	99
95)	butyl acetate	13.186	56	101719	48.69	ug/L	99
96)	3,3-dimethyl-1-butanol	13.275	57	172613	532.01	ug/L	97
97)	dibromochloromethane	13.359	129	145868	51.63	ug/L	99
98)	1,2-dibromoethane	13.500	107	131951	50.62	ug/L	97
100)	chlorobenzene	13.941	112	325525	51.79	ug/L	99
101)	1,1,1,2-tetrachloroethane	13.998	131	124430	50.83	ug/L	98
102)	ethylbenzene	13.998	91	527274	50.61	ug/L	100
103)	m,p-xylene	14.098	106	407967	100.22	ug/L	98
104)	o-xylene	14.491	106	208348	51.88	ug/L	98
105)	styrene	14.507	104	350582	51.61	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119275.D
Acq On : 9 Jun 2014 12:11 pm
Operator : toanp
Sample : bs
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 09 16:32:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

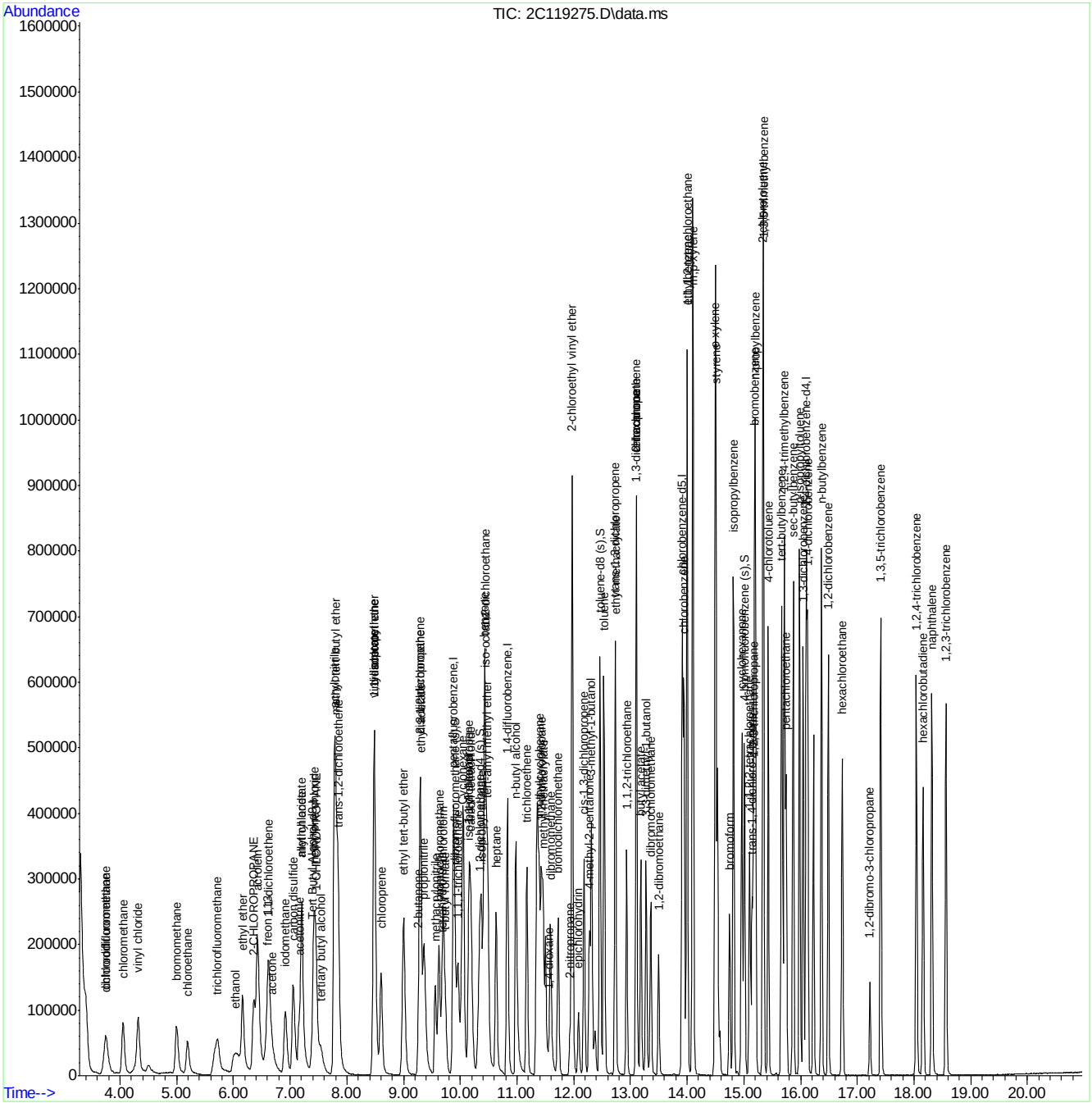
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) bromoform	14.748	173	123047	51.09	ug/L	98
108) isopropylbenzene	14.816	105	522805	50.83	ug/L	99
110) cyclohexanone	14.963	55	235419	481.55	ug/L	99
111) bromobenzene	15.189	156	154151	52.26	ug/L	100
112) 1,1,2,2-tetrachloroethane	15.099	83	183065	49.37	ug/L	99
113) trans-1,4-dichloro-2-b...	15.141	88	25409	51.02	ug/L	98
114) 1,2,3-trichloropropane	15.168	110	43489	49.69	ug/L	94
115) n-propylbenzene	15.199	91	612024	52.78	ug/L	99
116) 2-chlorotoluene	15.335	126	133547	51.51	ug/L	98
117) 4-chlorotoluene	15.430	91	380919	50.43	ug/L	100
118) 1,3,5-trimethylbenzene	15.346	105	431475	50.95	ug/L	99
119) tert-butylbenzene	15.666	119	382659	51.17	ug/L	98
120) pentachloroethane	15.744	167	100866	51.67	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	447651	53.75	ug/L	99
122) sec-butylbenzene	15.870	105	564372	49.99	ug/L	99
123) 1,3-dichlorobenzene	16.043	146	277683	50.69	ug/L	100
124) p-isopropyltoluene	15.980	119	485972	51.96	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	277352	50.67	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	279619	51.53	ug/L	99
128) n-butylbenzene	16.368	92	252619	52.22	ug/L	99
129) 1,2-dibromo-3-chloropr...	17.223	75	34954	53.45	ug/L	99
130) 1,3,5-trichlorobenzene	17.417	180	257563	56.82	ug/L	100
131) 1,2,4-trichlorobenzene	18.041	180	225684	53.61	ug/L	99
132) hexachlorobutadiene	18.161	225	117721	51.44	ug/L	96
133) naphthalene	18.313	128	514470	52.67	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	212998	55.02	ug/L	99
135) hexachloroethane	16.735	201	104288	52.96	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119275.D
Acq On : 9 Jun 2014 12:11 pm
Operator : toanp
Sample : bs
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 09 16:32:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11554.D
Acq On : 9 Jun 2014 2:05 pm
Operator : thienn
Sample : bs
Misc : MS68601,V3V492,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 17:10:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	72621	500.00	ug/L	#	0.00
5) pentafluorobenzene	9.786	168	148075	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	213947	50.00	ug/L		0.00
79) chlorobenzene-d5	13.965	117	194201	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	119482	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	84853	45.29	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 90.58%				
44) 1,2-dichloroethane-d4 (s)	10.273	65	77229	47.08	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.16%				
71) toluene-d8 (s)	12.418	98	270970	51.14	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.28%				
95) 4-bromofluorobenzene (s)	15.165	95	112322	53.61	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 107.22%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.506	88	24876	1343.91	ug/L	#	97
4) tertiary butyl alcohol	7.426	59	53257	273.79	ug/L		90
6) chlorodifluoromethane	3.552	51	135138	47.34	ug/L		100
7) dichlorodifluoromethane	3.536	85	192216	48.87	ug/L		99
8) chloromethane	3.861	50	178428	52.70	ug/L		99
9) vinyl chloride	4.134	62	193957	53.22	ug/L		100
10) bromomethane	4.815	94	115938	50.10	ug/L		96
11) chloroethane	4.994	64	75391	62.68	ug/L		100
12) trichlorofluoromethane	5.513	101	211573	52.73	ug/L		97
13) ethyl ether	5.958	74	40071	53.84	ug/L		95
14) 2-chloropropane	6.184	43	181667	63.18	ug/L		99
15) acrolein	6.284	56	166688	560.00	ug/L		99
16) 1,1-dichloroethene	6.430	96	102381	51.07	ug/L		85
17) acetone	6.540	43	23113	44.10	ug/L		92
18) allyl chloride	7.049	76	54206	59.15	ug/L		90
19) acetonitrile	7.059	40	70462	544.21	ug/L	#	73
20) iodomethane	6.745	142	216359	51.67	ug/L		97
21) iso-butyl alcohol	10.137	41	28022	493.86	ug/L		98
22) carbon disulfide	6.860	76	429941	58.13	ug/L		98
23) methylene chloride	7.280	84	112671	47.87	ug/L		92
24) 1-chloropropane	7.301	42	161696	50.47	ug/L		98
25) methyl acetate	7.059	74	9218	44.06	ug/L	#	83
26) methyl tert butyl ether	7.636	73	505935	104.93	ug/L		99
27) trans-1,2-dichloroethene	7.694	96	100310	47.29	ug/L		97
28) di-isopropyl ether	8.339	45	299087	59.04	ug/L		86
29) ethyl tert-butyl ether	8.858	59	281759	55.45	ug/L		99
30) 2-butanone	9.172	72	7945	48.14	ug/L		77
31) 1,1-dichloroethane	8.360	63	187468	57.70	ug/L		100
32) chloroprene	8.465	53	113711	53.05	ug/L		95
33) acrylonitrile	7.694	53	129257	270.75	ug/L		97
34) vinyl acetate	8.360	86	9766	52.95	ug/L	#	31
35) ethyl acetate	9.199	45	8249	50.65	ug/L		64

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11554.D
Acq On : 9 Jun 2014 2:05 pm
Operator : thienn
Sample : bs
Misc : MS68601,V3V492,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 17:10:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	178938	54.44	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	107411	44.41	ug/L		90
38) propionitrile	9.314	54	107642	510.51	ug/L		92
39) methyl acrylate	9.283	55	70910	51.41	ug/L	#	96
40) bromochloromethane	9.539	128	50746	50.87	ug/L		89
41) tetrahydrofuran	9.566	42	24061	54.63	ug/L		91
42) chloroform	9.613	83	181612	51.47	ug/L		99
45) freon 113	6.409	151	89592	50.09	ug/L		99
46) methacrylonitrile	9.497	41	37181	54.34	ug/L		87
47) 1,1,1-trichloroethane	9.854	97	182310	55.51	ug/L		98
48) tert-amyl methyl ether	10.368	73	263043	51.82	ug/L		99
50) epichlorohydrin	12.067	57	32221	270.23	ug/L		97
51) n-butyl alcohol	10.929	56	129405	2694.38	ug/L		93
52) cyclohexane	9.906	84	161062	57.72	ug/L		94
53) carbon tetrachloride	10.058	117	167420	59.20	ug/L		99
54) 1,1-dichloropropene	10.043	75	123825	55.74	ug/L		98
56) ISOOCTANE	10.305	57	328243	52.12	ug/L		94
57) benzene	10.326	78	375086	56.25	ug/L		98
58) heptane	10.504	57	55457	51.43	ug/L		98
59) isopropyl acetate	10.289	43	189468	60.20	ug/L		96
60) 1,2-dichloroethane	10.373	62	110779	59.23	ug/L		98
61) trichloroethene	11.086	95	96273	55.31	ug/L		97
63) 2-nitropropane	11.930	43	149382	67.12	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	209294	342.36	ug/L		98
65) methyl methacrylate	11.280	41	90587	81.99	ug/L		84
66) 1,2-dichloropropane	11.374	63	95069	59.30	ug/L		97
67) methylcyclohexane	11.285	83	148563	51.74	ug/L		89
68) dibromomethane	11.542	93	54102	53.68	ug/L		97
69) bromodichloromethane	11.684	83	123237	57.80	ug/L		99
70) cis-1,3-dichloropropene	12.140	75	130440	55.02	ug/L		93
72) 4-methyl-2-pentanone	12.250	58	26932	54.69	ug/L		86
73) toluene	12.491	92	200135	51.42	ug/L		99
74) 3-methyl-1-butanol	12.297	70	42835	1022.55	ug/L		92
75) trans-1,3-dichloropropene	12.722	75	107801	53.45	ug/L		96
76) ethyl methacrylate	12.711	69	76898	51.19	ug/L		93
77) 1,1,2-trichloroethane	12.937	83	59062	54.19	ug/L		99
78) 2-hexanone	13.115	58	23437	52.11	ug/L		95
80) tetrachloroethene	13.073	166	96428	53.51	ug/L		99
81) 1,3-dichloropropane	13.120	76	103836	56.94	ug/L		99
82) butyl acetate	13.189	56	40812	54.28	ug/L		89
83) dibromochloromethane	13.388	129	90061	53.96	ug/L		97
84) 1,2-dibromoethane	13.529	107	67302	51.64	ug/L		98
86) chlorobenzene	13.996	112	238526	54.49	ug/L		95
87) 1,1,1,2-tetrachloroethane	14.069	131	100772	56.19	ug/L		98
88) ethylbenzene	14.054	91	416958	54.66	ug/L		98
89) m,p-xylene	14.164	106	317279	106.12	ug/L		96
90) o-xylene	14.599	106	156001	53.73	ug/L		99
91) styrene	14.615	104	249604	56.32	ug/L		99
92) bromoform	14.898	173	64681	53.06	ug/L		100
94) isopropylbenzene	14.945	105	450598	59.67	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11554.D
Acq On : 9 Jun 2014 2:05 pm
Operator : thienn
Sample : bs
Misc : MS68601,V3V492,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 17:10:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

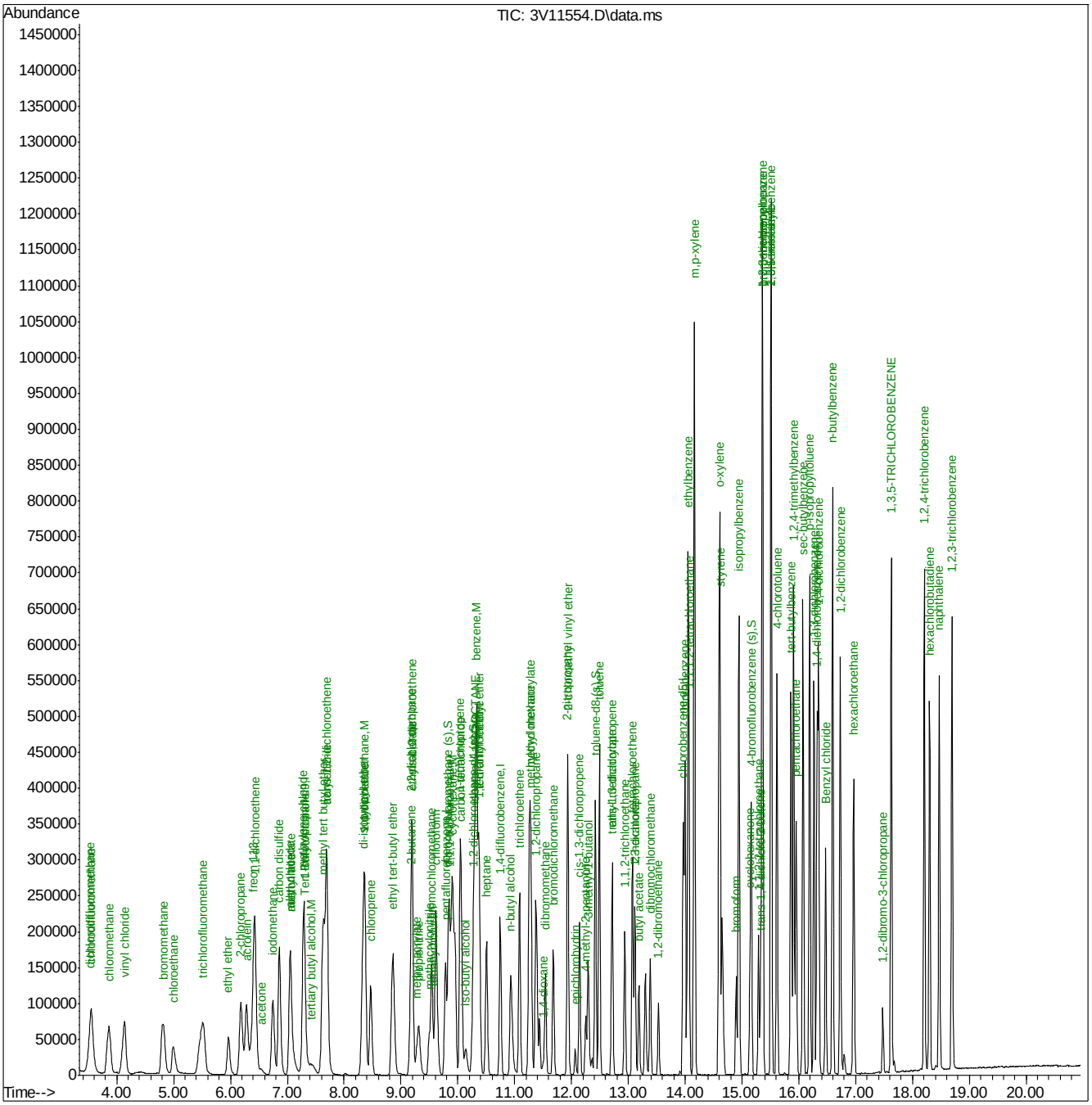
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	bromobenzene	15.359	156	115322	55.36	ug/L		96
97)	cyclohexanone	15.144	55	65257	222.32	ug/L		95
98)	1,1,2,2-tetrachloroethane	15.291	83	105660	54.17	ug/L		99
99)	trans-1,4-dichloro-2-b...	15.328	53	25947	59.56	ug/L	#	79
100)	1,2,3-trichloropropane	15.359	110	21993	52.36	ug/L		98
101)	n-propylbenzene	15.364	91	564600	61.99	ug/L		99
102)	2-chlorotoluene	15.511	126	112859	57.63	ug/L		92
103)	4-chlorotoluene	15.616	91	323231	57.27	ug/L		99
104)	1,3,5-trimethylbenzene	15.516	105	388430	59.32	ug/L		99
105)	tert-butylbenzene	15.863	119	283570	52.64	ug/L		100
106)	pentachloroethane	15.952	167	75332	53.67	ug/L		99
107)	1,2,4-trimethylbenzene	15.910	105	386742	55.84	ug/L		98
108)	sec-butylbenzene	16.072	105	496716	55.30	ug/L		99
109)	1,3-dichlorobenzene	16.266	146	227371	51.55	ug/L		99
110)	p-isopropyltoluene	16.193	119	426441	57.40	ug/L		99
111)	1,4-dichlorobenzene	16.350	146	232392	52.19	ug/L		100
112)	1,2-dichlorobenzene	16.733	146	233113	53.51	ug/L		99
113)	n-butylbenzene	16.597	92	250686	59.07	ug/L		98
114)	1,2-dibromo-3-chloropr...	17.477	75	22167	50.72	ug/L		98
115)	1,3,5-TRICHLOROBENZENE	17.624	180	230427	52.86	ug/L		99
116)	1,2,4-trichlorobenzene	18.206	180	216321	52.99	ug/L		99
117)	hexachlorobutadiene	18.301	225	115195	54.19	ug/L		99
118)	naphthalene	18.468	128	409840	50.37	ug/L		100
119)	1,2,3-trichlorobenzene	18.694	180	200089	52.43	ug/L		99
120)	hexachloroethane	16.964	119	91209	56.83	ug/L		98
121)	Benzyl chloride	16.471	91	218329	56.56	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11554.D
Acq On : 9 Jun 2014 2:05 pm
Operator : thienn
Sample : bs
Misc : MS68601,V3V492,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 17:10:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11529.D
Acq On : 7 Jun 2014 3:58 pm
Operator : thienn
Sample : jb68318-1ms
Misc : MS68601,V3V491,4.4,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 16:46:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.290	65	69277	500.00	ug/L		#-0.02
5) pentafluorobenzene	9.786	168	149004	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	213265	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	182963	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	112344	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.828	113	84461	44.80	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.60%				
44) 1,2-dichloroethane-d4 (s)	10.273	65	73202	44.35	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.70%				
71) toluene-d8 (s)	12.418	98	268882	50.91	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.82%				
95) 4-bromofluorobenzene (s)	15.165	95	106670	54.15	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.30%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.505	88	21172	1199.01	ug/L		97
4) tertiary butyl alcohol	7.432	59	43166	232.62	ug/L		98
6) chlorodifluoromethane	3.552	51	97473	32.41	ug/L		93
7) dichlorodifluoromethane	3.531	85	50091	12.66	ug/L		94
8) chloromethane	3.861	50	136608	40.10	ug/L		98
9) vinyl chloride	4.134	62	117744	32.11	ug/L		100
10) bromomethane	4.805	94	91357	39.24	ug/L		98
11) chloroethane	4.994	64	48097	39.74	ug/L		99
12) trichlorofluoromethane	5.513	101	79374	19.66	ug/L		99
13) ethyl ether	5.958	74	32033	42.77	ug/L		96
14) 2-chloropropane	6.179	43	104865	36.24	ug/L		100
15) acrolein	6.283	56	76018	253.79	ug/L		97
16) 1,1-dichloroethene	6.425	96	55655	27.59	ug/L		88
17) acetone	6.530	43	30569	57.97	ug/L		93
18) allyl chloride	7.049	76	24704	26.79	ug/L	#	49
19) acetonitrile	7.065	40	52450	402.57	ug/L	#	68
20) iodomethane	6.740	142	152261	36.14	ug/L		97
21) iso-butyl alcohol	10.132	41	22856	400.31	ug/L		87
22) carbon disulfide	6.860	76	250993	33.72	ug/L		98
23) methylene chloride	7.280	84	89513	37.79	ug/L		90
24) 1-chloropropane	7.301	42	110725	34.34	ug/L		100
25) methyl acetate	7.054	74	10016	47.58	ug/L	#	75
26) methyl tert butyl ether	7.636	73	221255	45.60	ug/L		97
27) trans-1,2-dichloroethene	7.694	96	69827	32.71	ug/L		94
28) di-isopropyl ether	8.333	45	259303	50.87	ug/L		97
29) ethyl tert-butyl ether	8.858	59	255227	49.92	ug/L		98
30) 2-butanone	9.183	72	6517	39.24	ug/L		87
31) 1,1-dichloroethane	8.360	63	137855	42.17	ug/L		97
32) chloroprene	8.470	53	67749	31.41	ug/L		96
33) acrylonitrile	7.694	53	96874	201.66	ug/L		99
34) vinyl acetate	8.365	86	4618	24.88	ug/L	#	1
35) ethyl acetate	9.193	45	6368	38.86	ug/L		79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11529.D
Acq On : 7 Jun 2014 3:58 pm
Operator : thienn
Sample : jb68318-1ms
Misc : MS68601,V3V491,4.4,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 16:46:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.178	77	78068	23.60	ug/L		98
37) cis-1,2-dichloroethene	9.193	96	83068	34.13	ug/L		95
38) propionitrile	9.319	54	78234	368.72	ug/L		97
39) methyl acrylate	9.277	55	53324	38.42	ug/L	#	97
40) bromochloromethane	9.539	128	40023	39.87	ug/L		89
41) tetrahydrofuran	9.566	42	18261	41.21	ug/L		93
42) chloroform	9.613	83	137130	38.62	ug/L		97
45) freon 113	6.399	151	25534	14.19	ug/L		97
46) methacrylonitrile	9.497	41	29093	42.26	ug/L		90
47) 1,1,1-trichloroethane	9.854	97	112860	34.15	ug/L		98
48) tert-amyl methyl ether	10.368	73	231839	45.39	ug/L		96
50) epichlorohydrin	12.066	57	20201	169.96	ug/L		96
51) n-butyl alcohol	10.934	56	98771	2063.12	ug/L		96
52) cyclohexane	9.906	84	45975	16.53	ug/L	#	3
53) carbon tetrachloride	10.064	117	86949	30.85	ug/L		100
54) 1,1-dichloropropene	10.048	75	72736	32.85	ug/L		98
55) hexane	8.024	57	21209	12.04	ug/L		99
56) ISOOCTANE	10.305	57	68944	10.98	ug/L		94
57) benzene	10.326	78	270450	40.69	ug/L		98
58) heptane	10.504	57	11692	10.88	ug/L		93
59) isopropyl acetate	10.289	43	105390	33.59	ug/L		92
60) 1,2-dichloroethane	10.373	62	86861	46.59	ug/L		98
61) trichloroethene	11.086	95	63884	36.82	ug/L		99
63) 2-nitropropane	11.935	43	113679	51.24	ug/L		97
64) 2-chloroethyl vinyl ether	11.935	63	162638	266.89	ug/L		98
65) methyl methacrylate	11.280	41	17584	15.97	ug/L		89
66) 1,2-dichloropropane	11.374	63	72152	45.15	ug/L		100
67) methylcyclohexane	11.285	83	38944	13.61	ug/L		95
68) dibromomethane	11.542	93	42290	42.09	ug/L		98
69) bromodichloromethane	11.684	83	94672	44.55	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	95869	40.57	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	20617	42.00	ug/L		87
73) toluene	12.491	92	142224	36.66	ug/L		99
74) 3-methyl-1-butanol	12.292	70	31530	755.08	ug/L		89
75) trans-1,3-dichloropropene	12.722	75	82058	40.82	ug/L		97
76) ethyl methacrylate	12.711	69	64983	43.39	ug/L		93
77) 1,1,2-trichloroethane	12.937	83	46397	42.71	ug/L		97
78) 2-hexanone	13.115	58	16120	35.96	ug/L		96
80) tetrachloroethene	13.078	166	53719	31.64	ug/L		100
81) 1,3-dichloropropane	13.120	76	76359	44.45	ug/L		98
82) butyl acetate	13.188	56	19006	26.83	ug/L		94
83) dibromochloromethane	13.388	129	66139	42.06	ug/L		97
84) 1,2-dibromoethane	13.535	107	51540	41.97	ug/L		99
86) chlorobenzene	13.996	112	166921	40.48	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.069	131	75194	44.50	ug/L		98
88) ethylbenzene	14.054	91	273990	38.12	ug/L		98
89) m,p-xylene	14.164	106	209763	74.47	ug/L		100
90) o-xylene	14.599	106	112701	41.20	ug/L		97
91) styrene	14.615	104	174564	41.81	ug/L		99
92) bromoform	14.898	173	46000	40.06	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11529.D
Acq On : 7 Jun 2014 3:58 pm
Operator : thienn
Sample : jb68318-1ms
Misc : MS68601,V3V491,4.4,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 16:46:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

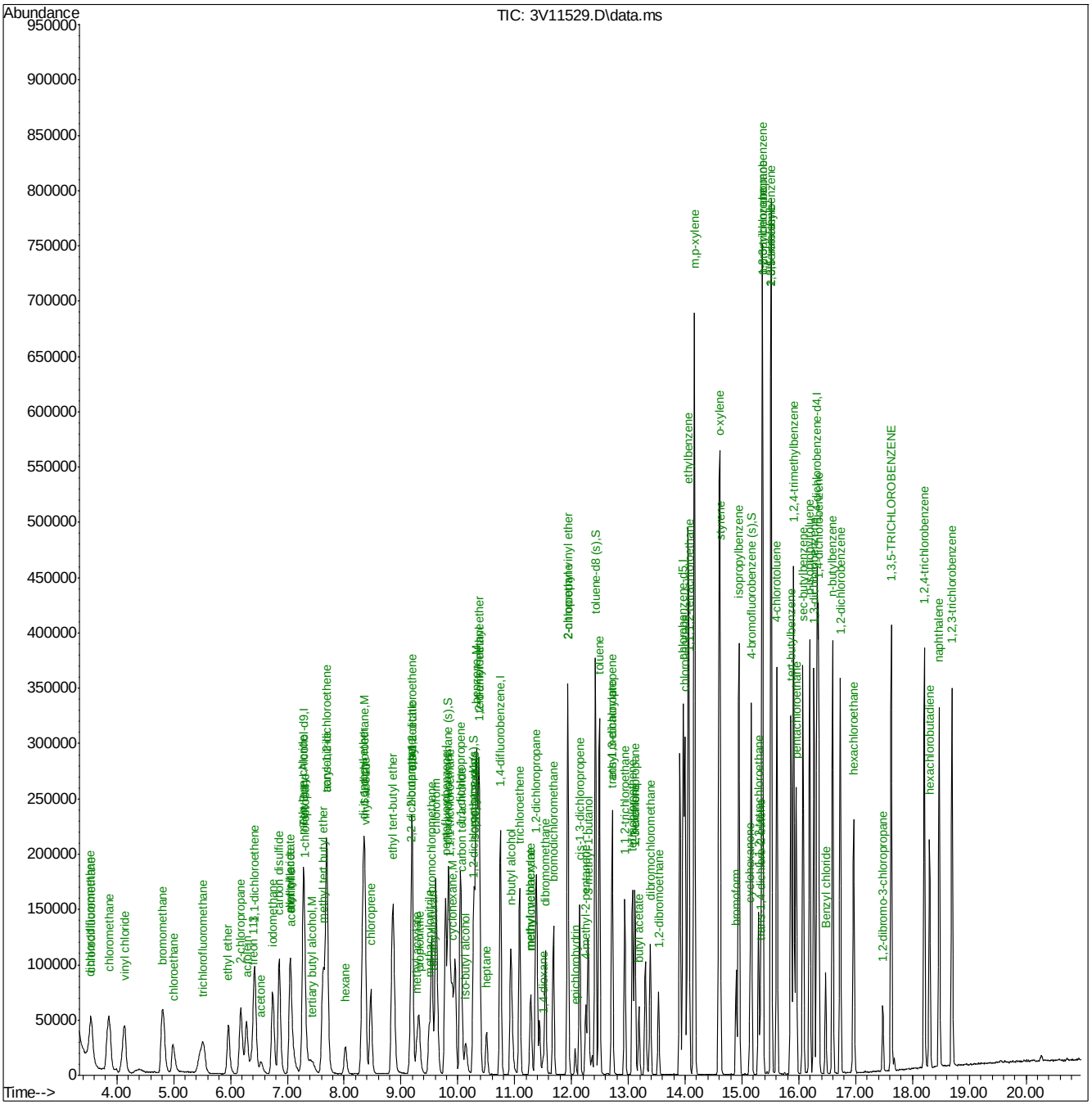
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94) isopropylbenzene	14.945	105	272528	38.38	ug/L		99
96) bromobenzene	15.359	156	80410	41.05	ug/L		96
97) cyclohexanone	15.144	55	26136	94.70	ug/L		95
98) 1,1,2,2-tetrachloroethane	15.291	83	80657	43.98	ug/L		99
99) trans-1,4-dichloro-2-b...	15.328	53	14958	36.51	ug/L	#	79
100) 1,2,3-trichloropropane	15.364	110	16887	42.75	ug/L		98
101) n-propylbenzene	15.364	91	314926	36.78	ug/L		99
102) 2-chlorotoluene	15.511	126	72605	39.43	ug/L		90
103) 4-chlorotoluene	15.611	91	211709	39.89	ug/L		98
104) 1,3,5-trimethylbenzene	15.516	105	242602	39.40	ug/L		100
105) tert-butylbenzene	15.862	119	172266	34.01	ug/L		99
106) pentachloroethane	15.957	167	53390	40.45	ug/L		98
107) 1,2,4-trimethylbenzene	15.910	105	255935	39.30	ug/L		98
108) sec-butylbenzene	16.072	105	278611	32.99	ug/L		98
109) 1,3-dichlorobenzene	16.266	146	151849	36.61	ug/L		99
110) p-isopropyltoluene	16.193	119	235128	33.66	ug/L		100
111) 1,4-dichlorobenzene	16.350	146	154108	36.81	ug/L		99
112) 1,2-dichlorobenzene	16.733	146	149885	36.59	ug/L		98
113) n-butylbenzene	16.596	92	125418	31.43	ug/L		98
114) 1,2-dibromo-3-chloropr...	17.477	75	14191	34.53	ug/L		98
115) 1,3,5-TRICHLOROBENZENE	17.624	180	127360	31.07	ug/L		99
116) 1,2,4-trichlorobenzene	18.206	180	119755	31.20	ug/L		99
117) hexachlorobutadiene	18.300	225	46083	23.06	ug/L		98
118) naphthalene	18.468	128	245104	32.04	ug/L		99
119) 1,2,3-trichlorobenzene	18.694	180	110958	30.92	ug/L		99
120) hexachloroethane	16.963	119	51888	34.38	ug/L		97
121) Benzyl chloride	16.471	91	62713	17.28	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11529.D
Acq On : 7 Jun 2014 3:58 pm
Operator : thienn
Sample : jb68318-1ms
Misc : MS68601,V3V491,4.4,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 16:46:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11559.D
Acq On : 9 Jun 2014 4:18 pm
Operator : thienn
Sample : jb68650-2ms
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 17:13:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	63147	500.00	ug/L	#-0.01
5) pentafluorobenzene	9.786	168	146285	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	210794	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	180774	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	107469	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	84420	45.61	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 91.22%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	73205	45.17	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 90.34%			
71) toluene-d8 (s)	12.418	98	261227	50.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.08%			
95) 4-bromofluorobenzene (s)	15.165	95	105569	56.02	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 112.04%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	16775	1042.22	ug/L	97
4) tertiary butyl alcohol	7.426	59	37471	221.53	ug/L	94
6) chlorodifluoromethane	3.552	51	129981	45.95	ug/L	98
7) dichlorodifluoromethane	3.536	85	187573	48.27	ug/L	98
8) chloromethane	3.861	50	177058	52.94	ug/L	99
9) vinyl chloride	4.134	62	182788	50.77	ug/L	98
10) bromomethane	4.810	94	113839	49.80	ug/L	99
11) chloroethane	4.994	64	63924	53.80	ug/L	98
12) trichlorofluoromethane	5.507	101	195982	49.44	ug/L	99
13) ethyl ether	5.969	74	33167	45.11	ug/L	93
14) 2-chloropropane	6.184	43	154629	54.43	ug/L	97
15) acrolein	6.289	56	112005	380.89	ug/L	99
16) 1,1-dichloroethene	6.430	96	90417	45.65	ug/L	88
17) acetone	6.540	43	24147	46.64	ug/L	86
18) allyl chloride	7.054	76	41939	46.32	ug/L	89
19) acetonitrile	7.059	40	50539	395.11	ug/L #	71
20) iodomethane	6.745	142	196042	47.40	ug/L	96
21) iso-butyl alcohol	10.137	41	19320	344.66	ug/L	93
22) carbon disulfide	6.860	76	373691	51.14	ug/L	98
23) methylene chloride	7.285	84	102271	43.98	ug/L	90
24) 1-chloropropane	7.306	42	151179	47.76	ug/L	97
25) methyl acetate	7.059	74	7627	36.90	ug/L #	83
26) methyl tert butyl ether	7.641	73	224708	47.18	ug/L	97
27) trans-1,2-dichloroethene	7.699	96	93421	44.58	ug/L	94
28) di-isopropyl ether	8.339	45	246807	49.32	ug/L	94
29) ethyl tert-butyl ether	8.858	59	238937	47.60	ug/L	97
30) 2-butanone	9.188	72	6784	41.61	ug/L	95
31) 1,1-dichloroethane	8.360	63	167492	52.18	ug/L	98
32) chloroprene	8.470	53	105777	49.95	ug/L	95
33) acrylonitrile	7.699	53	98508	208.87	ug/L	99
34) vinyl acetate	8.370	86	6416	35.21	ug/L	74
35) ethyl acetate	9.204	45	6362	39.54	ug/L	37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11559.D
Acq On : 9 Jun 2014 4:18 pm
Operator : thienn
Sample : jb68650-2ms
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 17:13:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	2,2-dichloropropane	9.183	77	172664	53.18	ug/L		96
37)	cis-1,2-dichloroethene	9.198	96	100016	41.86	ug/L		92
38)	propionitrile	9.319	54	79153	379.99	ug/L		94
39)	methyl acrylate	9.282	55	54201	39.78	ug/L	#	96
40)	bromochloromethane	9.544	128	43121	43.75	ug/L		91
41)	tetrahydrofuran	9.571	42	17968	41.30	ug/L		93
42)	chloroform	9.613	83	163318	46.85	ug/L		98
45)	freon 113	6.414	151	73904	41.83	ug/L		98
46)	methacrylonitrile	9.497	41	29627	43.83	ug/L		88
47)	1,1,1-trichloroethane	9.854	97	166222	51.23	ug/L		99
48)	tert-amyl methyl ether	10.373	73	213530	42.58	ug/L		98
50)	epichlorohydrin	12.066	57	20423	173.84	ug/L		96
51)	n-butyl alcohol	10.934	56	85838	1813.99	ug/L		95
52)	cyclohexane	9.912	84	136857	49.78	ug/L		93
53)	carbon tetrachloride	10.058	117	149037	53.49	ug/L		98
54)	1,1-dichloropropene	10.048	75	114570	52.35	ug/L		98
55)	hexane	8.024	57	85771	49.24	ug/L		96
56)	ISOOCTANE	10.310	57	277671	44.75	ug/L		97
57)	benzene	10.331	78	330647	50.33	ug/L		99
58)	heptane	10.509	57	48981	46.11	ug/L		97
59)	isopropyl acetate	10.294	43	133011	42.89	ug/L		98
60)	1,2-dichloroethane	10.373	62	94699	51.39	ug/L		98
61)	trichloroethene	11.086	95	87357	50.94	ug/L		98
63)	2-nitropropane	11.935	43	107390	48.97	ug/L		99
64)	2-chloroethyl vinyl ether	11.935	63	151649	251.77	ug/L		99
65)	methyl methacrylate	11.285	41	56316	51.74	ug/L		90
66)	1,2-dichloropropane	11.374	63	81318	51.48	ug/L		94
67)	methylcyclohexane	11.285	83	129016	45.60	ug/L		93
68)	dibromomethane	11.542	93	45492	45.81	ug/L		97
69)	bromodichloromethane	11.684	83	107555	51.20	ug/L		99
70)	cis-1,3-dichloropropene	12.145	75	117264	50.20	ug/L		96
72)	4-methyl-2-pentanone	12.250	58	20487	42.22	ug/L		88
73)	toluene	12.491	92	175379	45.74	ug/L		100
74)	3-methyl-1-butanol	12.297	70	28189	682.99	ug/L		89
75)	trans-1,3-dichloropropene	12.722	75	95728	48.18	ug/L		96
76)	ethyl methacrylate	12.711	69	64638	43.67	ug/L		91
77)	1,1,2-trichloroethane	12.937	83	48551	45.22	ug/L		98
78)	2-hexanone	13.115	58	19786	44.65	ug/L		93
80)	tetrachloroethene	13.078	166	88428	52.72	ug/L		99
81)	1,3-dichloropropane	13.120	76	84726	49.91	ug/L		100
82)	butyl acetate	13.188	56	29116	41.60	ug/L		89
83)	dibromochloromethane	13.388	129	75061	48.31	ug/L		97
84)	1,2-dibromoethane	13.529	107	53387	44.00	ug/L		99
86)	chlorobenzene	13.996	112	201758	49.52	ug/L		96
87)	1,1,1,2-tetrachloroethane	14.069	131	88636	53.09	ug/L		98
88)	ethylbenzene	14.054	91	348968	49.15	ug/L		98
89)	m,p-xylene	14.164	106	273267	98.19	ug/L		96
90)	o-xylene	14.599	106	140542	52.00	ug/L		96
91)	styrene	14.615	104	217567	52.74	ug/L		98
92)	bromoform	14.898	173	51097	45.03	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11559.D
Acq On : 9 Jun 2014 4:18 pm
Operator : thienn
Sample : jb68650-2ms
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 17:13:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

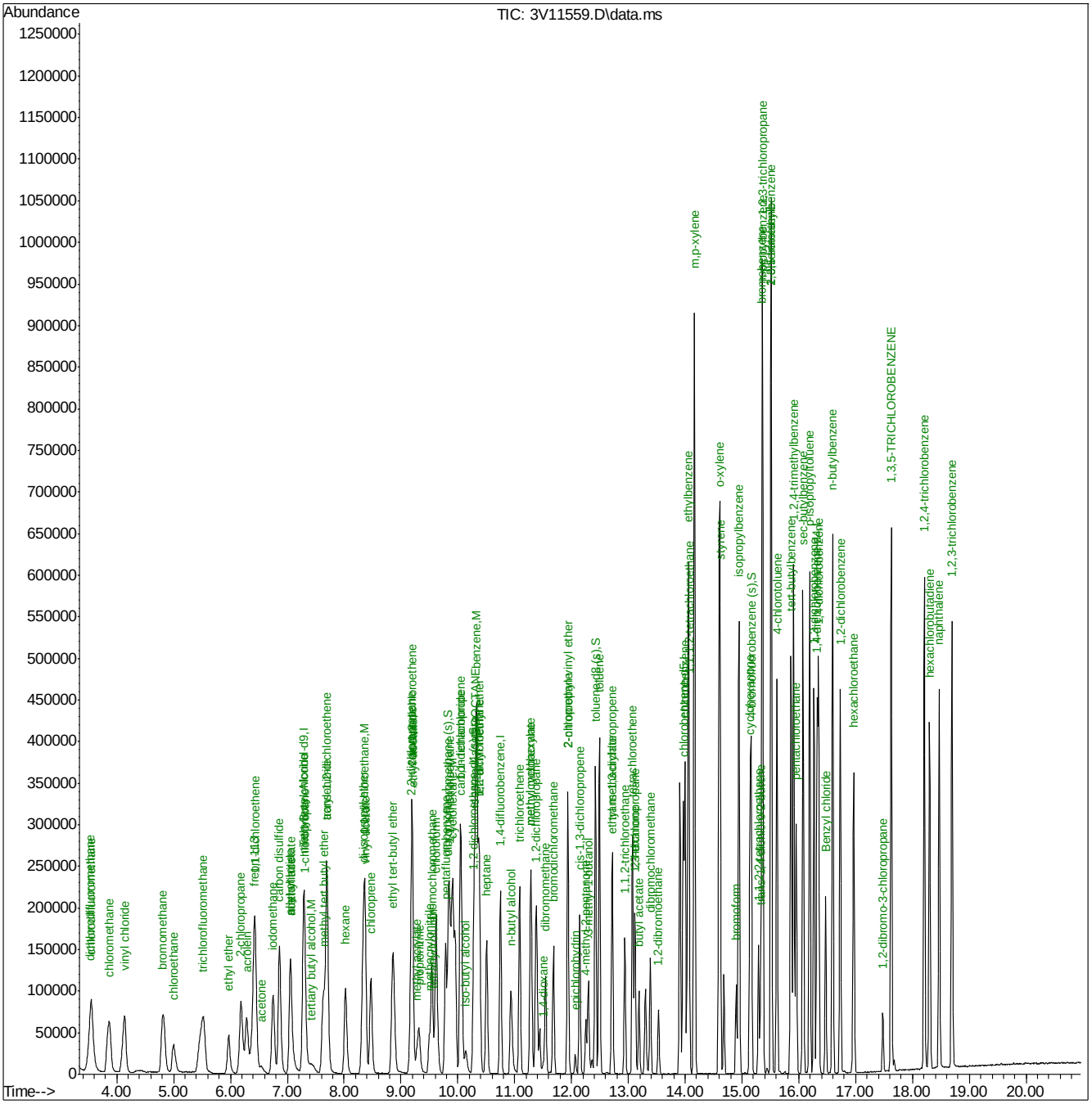
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	388570	57.21	ug/L	97
96)	bromobenzene	15.354	156	96500	51.50	ug/L	94
97)	cyclohexanone	15.144	55	134825	510.67	ug/L	96
98)	1,1,2,2-tetrachloroethane	15.291	83	84805	48.33	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	20794	53.06	ug/L	89
100)	1,2,3-trichloropropane	15.359	110	17545	46.44	ug/L	97
101)	n-propylbenzene	15.364	91	461770	56.37	ug/L	99
102)	2-chlorotoluene	15.511	126	96969	55.05	ug/L	93
103)	4-chlorotoluene	15.616	91	275496	54.27	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	341971	58.06	ug/L	99
105)	tert-butylbenzene	15.862	119	273600	56.47	ug/L	100
106)	pentachloroethane	15.951	167	62000	49.11	ug/L	97
107)	1,2,4-trimethylbenzene	15.910	105	342134	54.93	ug/L	97
108)	sec-butylbenzene	16.072	105	425920	52.72	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	192153	48.43	ug/L	99
110)	p-isopropyltoluene	16.193	119	361196	54.06	ug/L	99
111)	1,4-dichlorobenzene	16.350	146	191593	47.84	ug/L	100
112)	1,2-dichlorobenzene	16.733	146	190249	48.55	ug/L	99
113)	n-butylbenzene	16.596	92	200027	52.40	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.477	75	17112	43.53	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.624	180	202688	51.69	ug/L	99
116)	1,2,4-trichlorobenzene	18.206	180	182074	49.58	ug/L	99
117)	hexachlorobutadiene	18.300	225	94209	49.27	ug/L	97
118)	naphthalene	18.468	128	336289	45.95	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	172040	50.12	ug/L	99
120)	hexachloroethane	16.963	119	80338	55.65	ug/L	99
121)	Benzyl chloride	16.471	91	145773	41.98	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11559.D
Acq On : 9 Jun 2014 4:18 pm
Operator : thienn
Sample : jb68650-2ms
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 17:13:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11560.D
Acq On : 9 Jun 2014 4:45 pm
Operator : thienn
Sample : jb68650-2msd
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 17:13:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.290	65	67632	500.00	ug/L		-0.02
5) pentafluorobenzene	9.786	168	145010	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	205173	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	169177	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	108140	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.828	113	82040	44.71	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.42%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	71996	44.82	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.64%				
71) toluene-d8 (s)	12.418	98	239028	47.04	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 94.08%				
95) 4-bromofluorobenzene (s)	15.165	95	97881	51.62	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 103.24%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.506	88	16343	948.05	ug/L		98
4) tertiary butyl alcohol	7.426	59	41214	227.50	ug/L		96
6) chlorodifluoromethane	3.552	51	136730	49.09	ug/L		98
7) dichlorodifluoromethane	3.531	85	198283	51.47	ug/L		97
8) chloromethane	3.856	50	176743	53.31	ug/L		100
9) vinyl chloride	4.129	62	172804	48.42	ug/L		100
10) bromomethane	4.805	94	114068	50.34	ug/L		100
11) chloroethane	4.994	64	59546	50.55	ug/L		98
12) trichlorofluoromethane	5.513	101	196090	49.90	ug/L		100
13) ethyl ether	5.958	74	33603	46.10	ug/L		91
14) 2-chloropropane	6.179	43	156064	55.42	ug/L		98
15) acrolein	6.283	56	114330	392.22	ug/L		100
16) 1,1-dichloroethene	6.430	96	90762	46.23	ug/L		87
17) acetone	6.540	43	25513	49.71	ug/L		92
18) allyl chloride	7.049	76	41250	45.96	ug/L	#	81
19) acetonitrile	7.054	40	53900	425.09	ug/L	#	62
20) iodomethane	6.740	142	195355	47.64	ug/L		98
21) iso-butyl alcohol	10.137	41	20445	367.94	ug/L		99
22) carbon disulfide	6.860	76	374111	51.65	ug/L		98
23) methylene chloride	7.280	84	101786	44.16	ug/L		91
24) 1-chloropropane	7.301	42	153285	48.85	ug/L		99
25) methyl acetate	7.054	74	8300	40.51	ug/L	#	87
26) methyl tert butyl ether	7.641	73	229663	48.64	ug/L		98
27) trans-1,2-dichloroethene	7.694	96	93477	45.00	ug/L		94
28) di-isopropyl ether	8.333	45	255203	51.44	ug/L		98
29) ethyl tert-butyl ether	8.858	59	240367	48.30	ug/L		97
30) 2-butanone	9.178	72	7101	43.93	ug/L		97
31) 1,1-dichloroethane	8.360	63	167997	52.80	ug/L		98
32) chloroprene	8.470	53	106366	50.67	ug/L		97
33) acrylonitrile	7.694	53	102068	218.32	ug/L		98
34) vinyl acetate	8.360	86	6309	34.93	ug/L	#	17
35) ethyl acetate	9.199	45	6386	40.04	ug/L	#	13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11560.D
Acq On : 9 Jun 2014 4:45 pm
Operator : thienn
Sample : jb68650-2msd
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 17:13:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	2,2-dichloropropane	9.183	77	171762	53.36	ug/L		98
37)	cis-1,2-dichloroethene	9.199	96	99381	41.95	ug/L		95
38)	propionitrile	9.319	54	83967	406.64	ug/L		96
39)	methyl acrylate	9.282	55	56433	41.78	ug/L	#	96
40)	bromochloromethane	9.539	128	43794	44.83	ug/L		90
41)	tetrahydrofuran	9.571	42	19253	44.64	ug/L		92
42)	chloroform	9.613	83	162778	47.11	ug/L		97
45)	freon 113	6.404	151	74320	42.43	ug/L		97
46)	methacrylonitrile	9.497	41	29849	44.55	ug/L		91
47)	1,1,1-trichloroethane	9.854	97	164830	51.24	ug/L		97
48)	tert-amyl methyl ether	10.368	73	214968	43.24	ug/L		97
50)	epichlorohydrin	12.067	57	19613	171.52	ug/L		99
51)	n-butyl alcohol	10.934	56	92198	2001.78	ug/L		92
52)	cyclohexane	9.901	84	137965	51.56	ug/L		94
53)	carbon tetrachloride	10.058	117	144822	53.40	ug/L		99
54)	1,1-dichloropropene	10.043	75	114202	53.61	ug/L		98
55)	hexane	8.024	57	86128	50.80	ug/L		98
56)	ISOOCTANE	10.310	57	282090	46.70	ug/L		97
57)	benzene	10.331	78	333331	52.13	ug/L		99
58)	heptane	10.499	57	46581	45.05	ug/L		98
59)	isopropyl acetate	10.289	43	142478	47.21	ug/L		97
60)	1,2-dichloroethane	10.373	62	95045	52.99	ug/L		98
61)	trichloroethene	11.086	95	87122	52.19	ug/L		98
63)	2-nitropropane	11.935	43	100888	47.27	ug/L		99
64)	2-chloroethyl vinyl ether	11.935	63	141477	241.32	ug/L		99
65)	methyl methacrylate	11.285	41	50157	47.34	ug/L		91
66)	1,2-dichloropropane	11.369	63	73524	47.82	ug/L		97
67)	methylcyclohexane	11.285	83	118188	42.92	ug/L		96
68)	dibromomethane	11.542	93	42318	43.78	ug/L		96
69)	bromodichloromethane	11.684	83	99380	48.61	ug/L		100
70)	cis-1,3-dichloropropene	12.145	75	107558	47.31	ug/L		97
72)	4-methyl-2-pentanone	12.250	58	19417	41.11	ug/L		90
73)	toluene	12.491	92	162594	43.56	ug/L		98
74)	3-methyl-1-butanol	12.297	70	27945	695.62	ug/L		97
75)	trans-1,3-dichloropropene	12.722	75	90862	46.98	ug/L		98
76)	ethyl methacrylate	12.711	69	59868	41.55	ug/L		93
77)	1,1,2-trichloroethane	12.937	83	45424	43.46	ug/L		97
78)	2-hexanone	13.115	58	18256	42.33	ug/L		86
80)	tetrachloroethene	13.078	166	85637	54.55	ug/L		98
81)	1,3-dichloropropane	13.120	76	79597	50.11	ug/L		99
82)	butyl acetate	13.189	56	27036	41.28	ug/L		84
83)	dibromochloromethane	13.388	129	73068	50.25	ug/L		99
84)	1,2-dibromoethane	13.535	107	54387	47.90	ug/L		98
86)	chlorobenzene	13.996	112	192771	50.56	ug/L		96
87)	1,1,1,2-tetrachloroethane	14.069	131	85848	54.95	ug/L		97
88)	ethylbenzene	14.054	91	341129	51.34	ug/L		98
89)	m,p-xylene	14.164	106	258018	99.07	ug/L		97
90)	o-xylene	14.599	106	135659	53.63	ug/L		98
91)	styrene	14.615	104	209020	54.14	ug/L		98
92)	bromoform	14.898	173	50873	47.91	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11560.D
Acq On : 9 Jun 2014 4:45 pm
Operator : thienn
Sample : jb68650-2msd
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 17:13:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

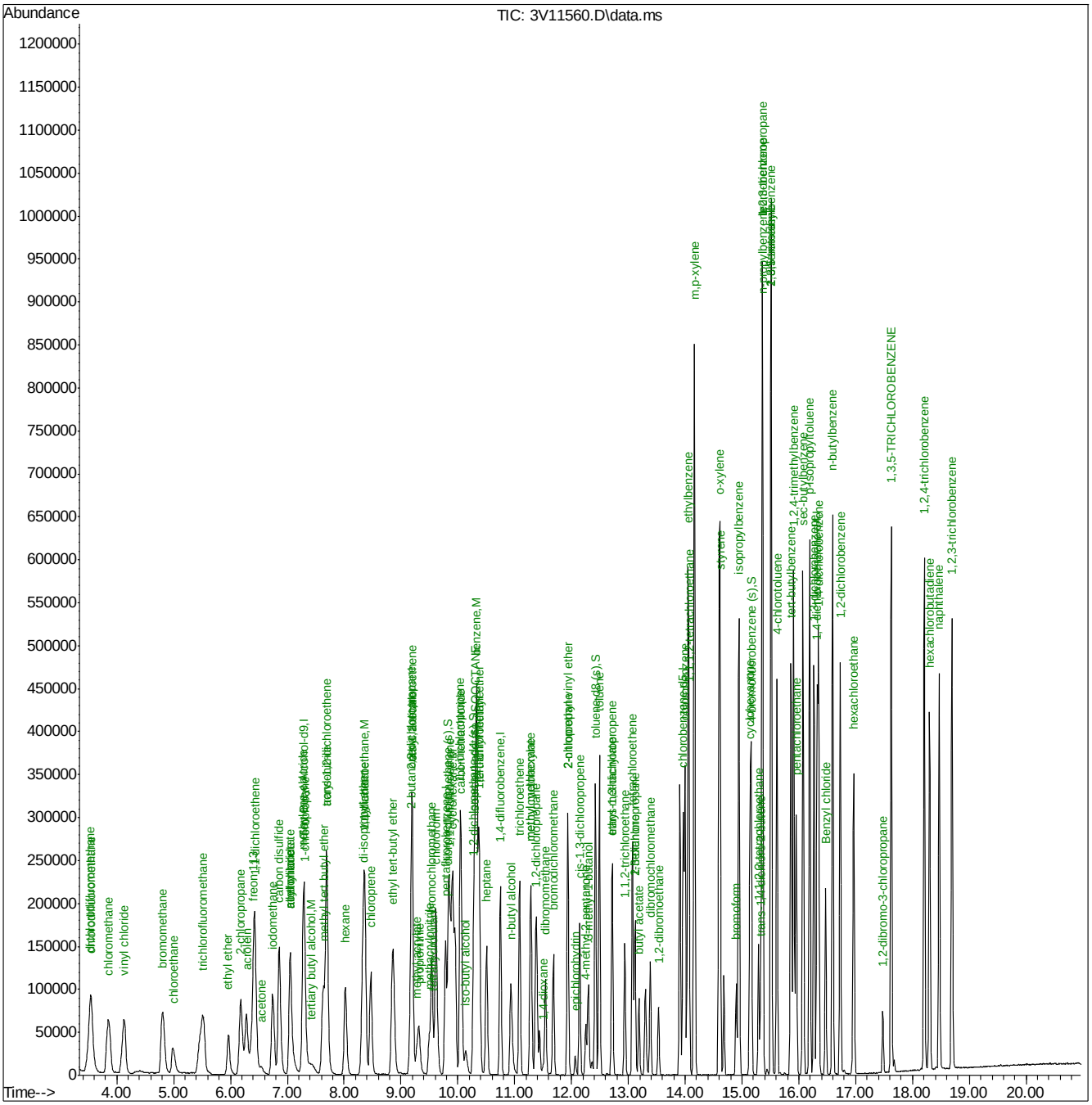
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	376396	55.07	ug/L	97
96)	bromobenzene	15.359	156	94131	49.93	ug/L	99
97)	cyclohexanone	15.144	55	131372	494.50	ug/L	96
98)	1,1,2,2-tetrachloroethane	15.291	83	81061	45.91	ug/L	98
99)	trans-1,4-dichloro-2-b...	15.328	53	19590	49.68	ug/L	88
100)	1,2,3-trichloropropane	15.359	110	16931	44.53	ug/L	94
101)	n-propylbenzene	15.364	91	440351	53.42	ug/L	100
102)	2-chlorotoluene	15.511	126	93802	52.93	ug/L	93
103)	4-chlorotoluene	15.616	91	264827	51.84	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	327746	55.30	ug/L	98
105)	tert-butylbenzene	15.862	119	264212	54.19	ug/L	99
106)	pentachloroethane	15.957	167	63947	50.34	ug/L	97
107)	1,2,4-trimethylbenzene	15.910	105	329011	52.49	ug/L	98
108)	sec-butylbenzene	16.072	105	441474	54.31	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	198845	49.81	ug/L	99
110)	p-isopropyltoluene	16.193	119	373700	55.58	ug/L	99
111)	1,4-dichlorobenzene	16.350	146	197669	49.05	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	195034	49.46	ug/L	98
113)	n-butylbenzene	16.596	92	202593	52.74	ug/L	97
114)	1,2-dibromo-3-chloropr...	17.477	75	17110	43.26	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.624	180	203129	51.48	ug/L	100
116)	1,2,4-trichlorobenzene	18.206	180	189181	51.20	ug/L	98
117)	hexachlorobutadiene	18.300	225	96315	50.06	ug/L	100
118)	naphthalene	18.468	128	349627	47.48	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	176404	51.07	ug/L	99
120)	hexachloroethane	16.969	119	79119	54.46	ug/L	99
121)	Benzyl chloride	16.471	91	151056	43.23	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11560.D
Acq On : 9 Jun 2014 4:45 pm
Operator : thienn
Sample : jb68650-2msd
Misc : MS68738,V3V492,5.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 17:13:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119285.D
Acq On : 9 Jun 2014 4:58 pm
Operator : toanp
Sample : jb68478-1ms
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 17:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.397	65	198956	500.00	ug/L		-0.02
5) pentafluorobenzene	9.882	168	394199	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.831	114	458728	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	382173	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	209013	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.909	113	130612	48.90	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.80%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	148536	47.66	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 95.32%				
84) toluene-d8 (s)	12.462	98	478686	54.32	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.64%				
109) 4-bromofluorobenzene (s)	15.005	95	174485	51.72	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.44%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.534	59	110898	240.59	ug/L		100
3) ethanol	6.008	45	146979	5574.74	ug/L		85
4) 1,4-dioxane	11.560	88	35637	1162.10	ug/L		91
11) chlorodifluoromethane	3.753	51	79872	26.53	ug/L		91
12) dichlorodifluoromethane	3.743	85	145145	45.36	ug/L		99
15) chloromethane	4.063	50	194681	45.18	ug/L		100
16) vinyl chloride	4.330	62	187385	49.05	ug/L		99
17) bromomethane	5.001	94	114998	48.01	ug/L		96
18) chloroethane	5.190	64	87582	50.53	ug/L		97
19) trichlorofluoromethane	5.725	101	203240	49.15	ug/L		95
21) ethyl ether	6.165	74	69574	43.16	ug/L		98
22) 2-CHLOROPROPANE	6.364	43	188655	38.51	ug/L	#	97
26) acrolein	6.427	56	328261	402.00	ug/L		99
27) 1,1-dichloroethene	6.621	96	103395	43.36	ug/L		99
28) acetone	6.679	58	17254	56.50	ug/L		97
29) allyl chloride	7.209	76	67254	41.77	ug/L	#	85
30) acetonitrile	7.161	40	149400	418.89	ug/L		94
31) iodomethane	6.920	142	205187	41.54	ug/L		96
32) iso-butyl alcohol	10.155	74	18854	491.64	ug/L		52
33) carbon disulfide	7.056	76	328438	39.70	ug/L		99
34) methylene chloride	7.429	84	128797	45.74	ug/L		99
35) 1-CHLOROPROPANE	7.460	42	226652	40.60	ug/L		98
36) methyl acetate	7.209	43	123897	42.92	ug/L		97
37) methyl tert butyl ether	7.801	73	383472	48.09	ug/L		97
38) trans-1,2-dichloroethene	7.848	96	116586	44.38	ug/L		99
39) di-isopropyl ether	8.483	45	427597	43.87	ug/L		95
40) 2-butanone	9.274	72	21305	51.21	ug/L		99
41) 1,1-dichloroethane	8.477	63	234571	48.42	ug/L		99
42) chloroprene	8.603	53	167842	42.09	ug/L		99
43) acrylonitrile	7.780	53	322461	236.49	ug/L		99
44) vinyl acetate	8.488	86	24034	45.01	ug/L		99
45) ethyl tert-butyl ether	9.002	59	394312	46.23	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119285.D
Acq On : 9 Jun 2014 4:58 pm
Operator : toanp
Sample : jb68478-1ms
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 17:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	ethyl acetate	9.300	45	23842	43.52	ug/L	80
47)	2,2-dichloropropane	9.290	77	162759	46.95	ug/L	97
48)	cis-1,2-dichloroethene	9.295	96	139419	48.66	ug/L	98
49)	propionitrile	9.358	54	265758	492.39	ug/L	99
50)	bromochloromethane	9.626	128	73044	49.18	ug/L	96
51)	tetrahydrofuran	9.673	42	58227	41.41	ug/L	94
52)	chloroform	9.699	83	223617	47.18	ug/L	99
53)	t-butyl formate	9.736	59	101600	42.49	ug/L	97
56)	freon 113	6.611	151	77408	38.36	ug/L	96
57)	methacrylonitrile	9.563	41	103611	47.37	ug/L	97
58)	1,1,1-trichloroethane	9.961	97	178007	48.79	ug/L	99
59)	Cyclohexane	10.040	84	170398	47.09	ug/L	97
63)	epichlorohydrin	12.085	57	99788	286.50	ug/L	98
64)	n-butyl alcohol	10.983	56	296097	3016.57	ug/L	98
65)	carbon tetrachloride	10.181	117	170252	53.01	ug/L	98
66)	1,1-dichloropropene	10.155	75	169981	51.57	ug/L	97
67)	hexane	8.199	57	141137	41.01	ug/L	98
69)	iso-octane	10.449	57	331535	47.04	ug/L	95
70)	benzene	10.428	78	497689	49.13	ug/L	99
71)	tert-amyl methyl ether	10.480	87	86189	49.05	ug/L	96
72)	heptane	10.637	57	137124	49.37	ug/L	97
73)	isopropyl acetate	10.381	43	320476	46.91	ug/L	99
74)	1,2-dichloroethane	10.443	62	171345	53.59	ug/L	99
75)	trichloroethene	11.178	95	131724	53.10	ug/L	98
76)	2-nitropropane	11.938	41	61956	47.50	ug/L	94
77)	2-chloroethyl vinyl ether	11.974	63	185596	104.70	ug/L	99
78)	methyl methacrylate	11.461	100	40631	51.38	ug/L	94
79)	1,2-dichloropropane	11.434	63	139179	52.45	ug/L	98
80)	dibromomethane	11.592	93	90182	54.40	ug/L	99
81)	methylcyclohexane	11.392	83	215765	52.18	ug/L	99
82)	bromodichloromethane	11.728	83	185903	55.65	ug/L	99
83)	cis-1,3-dichloropropene	12.179	75	232040	55.02	ug/L	99
85)	4-methyl-2-pentanone	12.279	58	74992	55.52	ug/L	97
86)	toluene	12.535	92	328267	57.43	ug/L	99
87)	3-methyl-1-butanol	12.310	55	176487	1195.48	ug/L	97
88)	trans-1,3-dichloropropene	12.729	75	215204	55.30	ug/L	100
89)	ethyl methacrylate	12.735	69	205056	54.43	ug/L	99
90)	1,1,2-trichloroethane	12.934	83	111888	54.92	ug/L	99
91)	2-hexanone	13.102	58	72284	56.33	ug/L	96
93)	tetrachloroethene	13.102	164	117309	54.87	ug/L	98
94)	1,3-dichloropropane	13.107	76	210136	55.14	ug/L	99
95)	butyl acetate	13.186	56	112651	53.64	ug/L	98
96)	3,3-dimethyl-1-butanol	13.275	57	207104	634.97	ug/L	96
97)	dibromochloromethane	13.359	129	159900	56.30	ug/L	99
98)	1,2-dibromoethane	13.500	107	141116	53.85	ug/L	95
100)	chlorobenzene	13.946	112	346363	54.81	ug/L	98
101)	1,1,1,2-tetrachloroethane	14.004	131	134165	54.52	ug/L	98
102)	ethylbenzene	13.998	91	746320	71.26	ug/L	99
103)	m,p-xylene	14.098	106	1240636	303.16	ug/L	94
104)	o-xylene	14.496	106	759214	188.04	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119285.D
Acq On : 9 Jun 2014 4:58 pm
Operator : toanp
Sample : jb68478-1ms
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 17:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

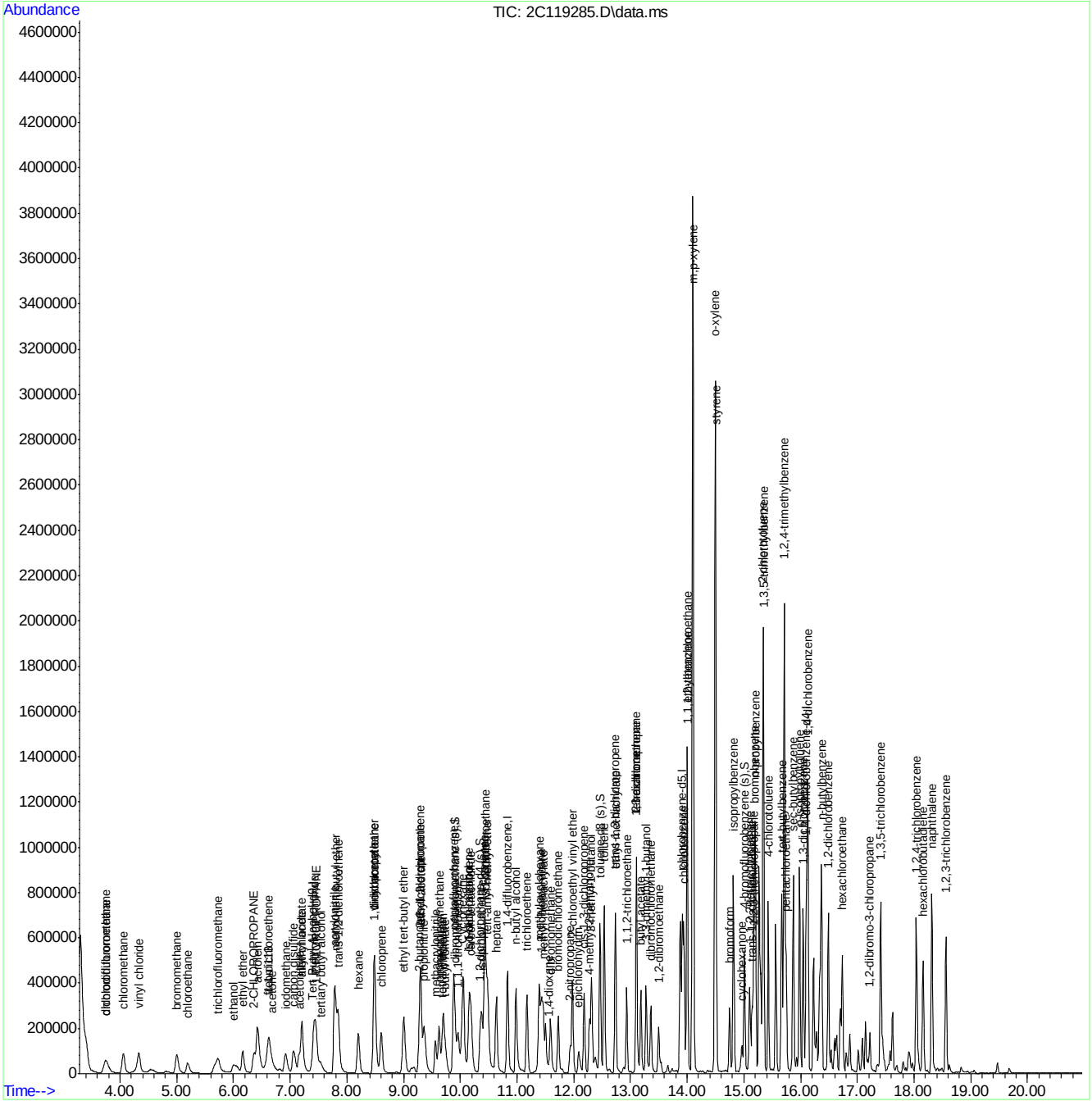
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.502	104	389289	57.00	ug/L	67
106) bromoform	14.748	173	134337	55.48	ug/L	98
108) isopropylbenzene	14.816	105	598026	55.93	ug/L	100
110) cyclohexanone	14.963	55	60152	118.35	ug/L	98
111) bromobenzene	15.188	156	168614	54.98	ug/L	92
112) 1,1,2,2-tetrachloroethane	15.105	83	205689	53.35	ug/L	99
113) trans-1,4-dichloro-2-b...	15.141	88	27543	53.19	ug/L	99
114) 1,2,3-trichloropropane	15.167	110	47599	52.31	ug/L	98
115) n-propylbenzene	15.199	91	690303	57.26	ug/L	100
116) 2-chlorotoluene	15.340	126	144047	53.44	ug/L	96
117) 4-chlorotoluene	15.430	91	415718	52.94	ug/L	100
118) 1,3,5-trimethylbenzene	15.346	105	775250	88.06	ug/L	98
119) tert-butylbenzene	15.671	119	417182	53.66	ug/L	100
120) pentachloroethane	15.744	167	107648	53.05	ug/L	98
121) 1,2,4-trimethylbenzene	15.713	105	1159410	133.90	ug/L	99
122) sec-butylbenzene	15.870	105	652849	55.62	ug/L	99
123) 1,3-dichlorobenzene	16.043	146	308609	54.18	ug/L	100
124) p-isopropyltoluene	15.985	119	558934	57.48	ug/L	100
126) 1,4-dichlorobenzene	16.122	146	305102	53.61	ug/L	98
127) 1,2-dichlorobenzene	16.489	146	305639	54.17	ug/L	99
128) n-butylbenzene	16.368	92	285728	56.81	ug/L	100
129) 1,2-dibromo-3-chloropr...	17.223	75	36929	54.32	ug/L	93
130) 1,3,5-trichlorobenzene	17.417	180	270966	57.50	ug/L	99
131) 1,2,4-trichlorobenzene	18.041	180	245929	56.19	ug/L	99
132) hexachlorobutadiene	18.161	225	135556	56.98	ug/L	97
133) naphthalene	18.313	128	692714	68.22	ug/L	99
134) 1,2,3-trichlorobenzene	18.565	180	232946	57.88	ug/L	100
135) hexachloroethane	16.735	201	111663	54.54	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119285.D
Acq On : 9 Jun 2014 4:58 pm
Operator : toanp
Sample : jb68478-1ms
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 17:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119286.D
Acq On : 9 Jun 2014 5:26 pm
Operator : toanp
Sample : jb68478-1msd
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 09 17:50:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.397	65	201592	500.00	ug/L		-0.02
5) pentafluorobenzene	9.882	168	410961	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.831	114	474643	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	391450	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	211611	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.909	113	134165	48.19	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.38%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	153325	47.19	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 94.38%				
84) toluene-d8 (s)	12.462	98	491505	53.90	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 107.80%				
109) 4-bromofluorobenzene (s)	15.005	95	178079	52.14	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.28%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.539	59	113452	242.91	ug/L		100
3) ethanol	6.013	45	137246	5137.51	ug/L		88
4) 1,4-dioxane	11.560	88	40030	1288.29	ug/L		91
11) chlorodifluoromethane	3.753	51	80737	25.73	ug/L		93
12) dichlorodifluoromethane	3.743	85	150906	45.24	ug/L		98
15) chloromethane	4.063	50	202276	45.03	ug/L		98
16) vinyl chloride	4.330	62	194024	48.71	ug/L		99
17) bromomethane	5.001	94	119454	47.84	ug/L		99
18) chloroethane	5.190	64	89875	49.74	ug/L		98
19) trichlorofluoromethane	5.725	101	209360	48.56	ug/L		95
21) ethyl ether	6.165	74	73128	43.51	ug/L		94
22) 2-CHLOROPROPANE	6.364	43	194644	38.11	ug/L	#	98
26) acrolein	6.427	56	335545	394.16	ug/L		100
27) 1,1-dichloroethene	6.632	96	106981	43.03	ug/L		98
28) acetone	6.679	58	18385	57.74	ug/L		92
29) allyl chloride	7.208	76	69928	41.66	ug/L		94
30) acetonitrile	7.156	40	150436	404.59	ug/L		91
31) iodomethane	6.925	142	214050	41.56	ug/L		98
32) iso-butyl alcohol	10.150	74	19722	493.35	ug/L		88
33) carbon disulfide	7.062	76	339374	39.35	ug/L		99
34) methylene chloride	7.429	84	134036	45.66	ug/L		96
35) 1-CHLOROPROPANE	7.460	42	229417	39.42	ug/L	#	92
36) methyl acetate	7.208	43	126331	41.98	ug/L		97
37) methyl tert butyl ether	7.806	73	397610	47.83	ug/L		98
38) trans-1,2-dichloroethene	7.848	96	122283	44.65	ug/L		99
39) di-isopropyl ether	8.488	45	444803	43.78	ug/L		98
40) 2-butanone	9.269	72	21939	50.58	ug/L		91
41) 1,1-dichloroethane	8.477	63	244612	48.43	ug/L		98
42) chloroprene	8.603	53	172445	41.48	ug/L		99
43) acrylonitrile	7.785	53	330601	232.57	ug/L		99
44) vinyl acetate	8.488	86	24954	44.82	ug/L		98
45) ethyl tert-butyl ether	9.002	59	412922	46.43	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119286.D
Acq On : 9 Jun 2014 5:26 pm
Operator : toanp
Sample : jb68478-1msd
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 09 17:50:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) ethyl acetate	9.306	45	27254	47.72	ug/L		92
47) 2,2-dichloropropane	9.295	77	168392	46.60	ug/L		98
48) cis-1,2-dichloroethene	9.295	96	145385	48.67	ug/L		97
49) propionitrile	9.353	54	271581	482.65	ug/L		94
50) bromochloromethane	9.625	128	76268	49.26	ug/L		97
51) tetrahydrofuran	9.673	42	59064	40.29	ug/L		98
52) chloroform	9.699	83	234061	47.37	ug/L		98
53) t-butyl formate	9.736	59	103060	41.34	ug/L		98
56) freon 113	6.600	151	80130	38.09	ug/L		97
57) methacrylonitrile	9.563	41	105458	46.25	ug/L		98
58) 1,1,1-trichloroethane	9.961	97	184975	48.63	ug/L		99
59) Cyclohexane	10.034	84	175792	46.60	ug/L	#	81
63) epichlorohydrin	12.084	57	103018	285.86	ug/L		98
64) n-butyl alcohol	10.983	56	303270	2986.05	ug/L		97
65) carbon tetrachloride	10.181	117	174268	52.44	ug/L		99
66) 1,1-dichloropropene	10.155	75	177004	51.90	ug/L		97
67) hexane	8.205	57	146079	41.02	ug/L		97
69) iso-octane	10.449	57	340047	46.63	ug/L		95
70) benzene	10.428	78	515950	49.22	ug/L		99
71) tert-amyl methyl ether	10.480	87	89712	49.34	ug/L		95
72) heptane	10.632	57	142908	49.72	ug/L		96
73) isopropyl acetate	10.380	43	329705	46.64	ug/L		99
74) 1,2-dichloroethane	10.443	62	174562	52.77	ug/L		99
75) trichloroethene	11.177	95	137067	53.40	ug/L		98
76) 2-nitropropane	11.938	41	61595	45.64	ug/L		94
77) 2-chloroethyl vinyl ether	11.974	63	155565	84.82	ug/L		99
78) methyl methacrylate	11.461	100	42563	52.02	ug/L		95
79) 1,2-dichloropropane	11.434	63	144851	52.76	ug/L		100
80) dibromomethane	11.592	93	92329	53.83	ug/L		98
81) methylcyclohexane	11.392	83	227379	53.14	ug/L		98
82) bromodichloromethane	11.728	83	191775	55.48	ug/L		99
83) cis-1,3-dichloropropene	12.179	75	239590	54.91	ug/L		99
85) 4-methyl-2-pentanone	12.278	58	77193	55.24	ug/L		95
86) toluene	12.535	92	340866	57.64	ug/L		99
87) 3-methyl-1-butanol	12.315	55	180516	1181.78	ug/L		98
88) trans-1,3-dichloropropene	12.729	75	223890	55.61	ug/L		98
89) ethyl methacrylate	12.735	69	209467	53.74	ug/L		99
90) 1,1,2-trichloroethane	12.934	83	115139	54.62	ug/L		99
91) 2-hexanone	13.102	58	74945	56.44	ug/L		92
93) tetrachloroethene	13.102	164	120322	54.95	ug/L		99
94) 1,3-dichloropropane	13.107	76	214032	54.84	ug/L		98
95) butyl acetate	13.185	56	119563	55.59	ug/L		94
96) 3,3-dimethyl-1-butanol	13.275	57	220930	661.30	ug/L		96
97) dibromochloromethane	13.359	129	164940	56.70	ug/L		100
98) 1,2-dibromoethane	13.500	107	146353	54.53	ug/L		95
100) chlorobenzene	13.946	112	356084	55.02	ug/L		99
101) 1,1,1,2-tetrachloroethane	14.003	131	138124	54.80	ug/L		99
102) ethylbenzene	13.998	91	766758	71.47	ug/L		99
103) m,p-xylene	14.098	106	1275835	304.37	ug/L		95
104) o-xylene	14.496	106	779773	188.56	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119286.D
Acq On : 9 Jun 2014 5:26 pm
Operator : toanp
Sample : jb68478-1msd
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 09 17:50:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

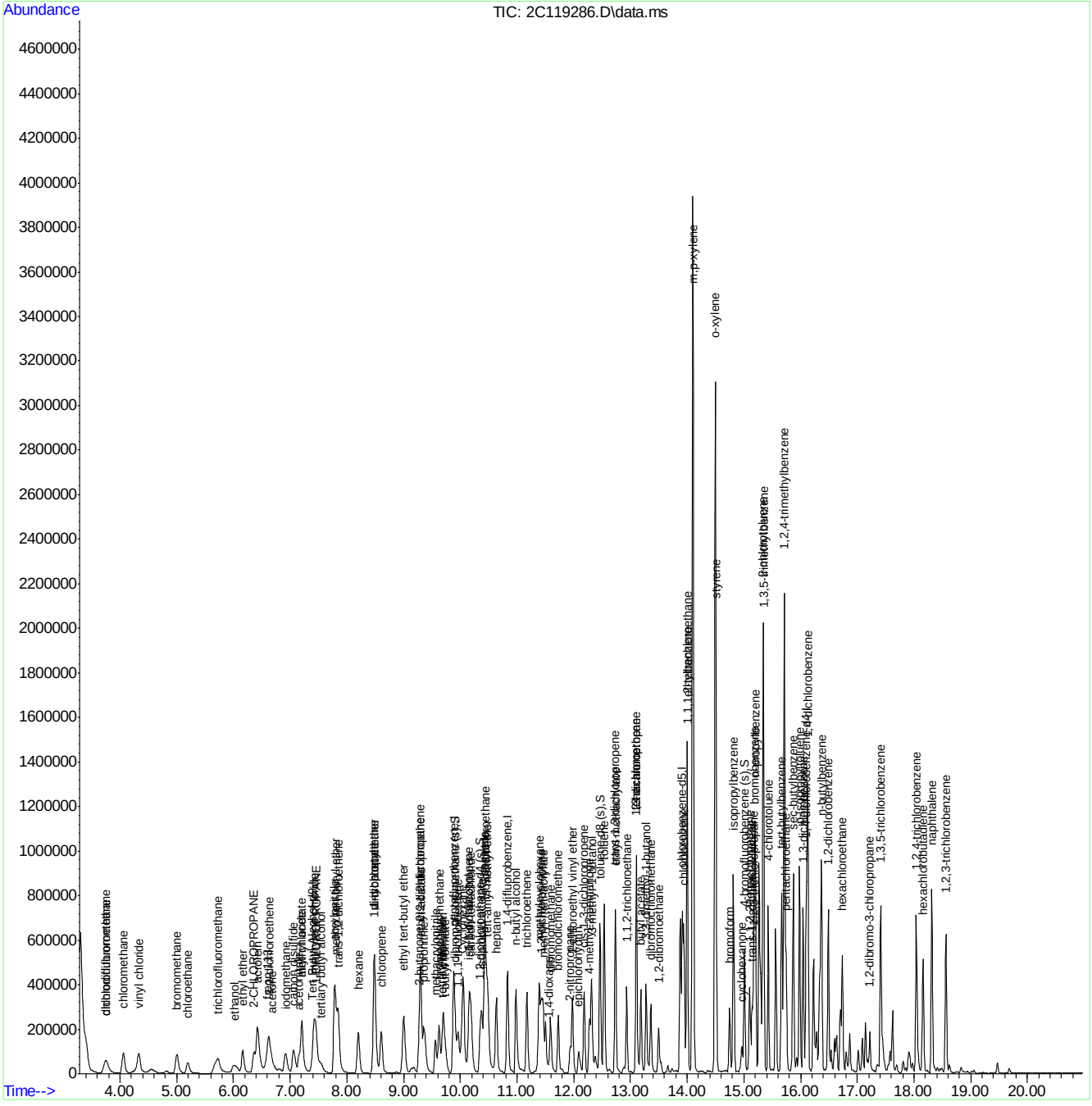
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	401549	57.40	ug/L	86
106) bromoform	14.748	173	136437	55.01	ug/L	99
108) isopropylbenzene	14.816	105	613336	56.65	ug/L	100
110) cyclohexanone	14.963	55	61326	119.18	ug/L	98
111) bromobenzene	15.188	156	173091	55.74	ug/L	90
112) 1,1,2,2-tetrachloroethane	15.104	83	210882	54.03	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	28235	53.86	ug/L	96
114) 1,2,3-trichloropropane	15.167	110	48325	52.46	ug/L	92
115) n-propylbenzene	15.199	91	703570	57.65	ug/L	99
116) 2-chlorotoluene	15.340	126	145952	53.48	ug/L	93
117) 4-chlorotoluene	15.430	91	425385	53.51	ug/L	99
118) 1,3,5-trimethylbenzene	15.346	105	794293	89.11	ug/L	100
119) tert-butylbenzene	15.665	119	430672	54.71	ug/L	99
120) pentachloroethane	15.744	167	111280	54.16	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	1184565	135.12	ug/L	99
122) sec-butylbenzene	15.870	105	664975	55.96	ug/L	99
123) 1,3-dichlorobenzene	16.043	146	314800	54.59	ug/L	100
124) p-isopropyltoluene	15.985	119	567602	57.66	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	311619	54.09	ug/L	100
127) 1,2-dichlorobenzene	16.489	146	313712	54.92	ug/L	99
128) n-butylbenzene	16.368	92	289976	56.95	ug/L	99
129) 1,2-dibromo-3-chloropr...	17.223	75	36737	53.38	ug/L	97
130) 1,3,5-trichlorobenzene	17.417	180	275036	57.64	ug/L	99
131) 1,2,4-trichlorobenzene	18.041	180	251982	56.87	ug/L	100
132) hexachlorobutadiene	18.161	225	138033	57.30	ug/L	98
133) naphthalene	18.313	128	707781	68.85	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	239771	58.85	ug/L	99
135) hexachloroethane	16.735	201	114412	55.19	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119286.D
Acq On : 9 Jun 2014 5:26 pm
Operator : toanp
Sample : jb68478-1msd
Misc : MS68694,V2C5484,w,,,,10
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 09 17:50:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11551.D
Acq On : 9 Jun 2014 12:18 pm
Operator : thienn
Sample : jb68318-3dup
Misc : MS68601,V3V491,4.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 10 17:08:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

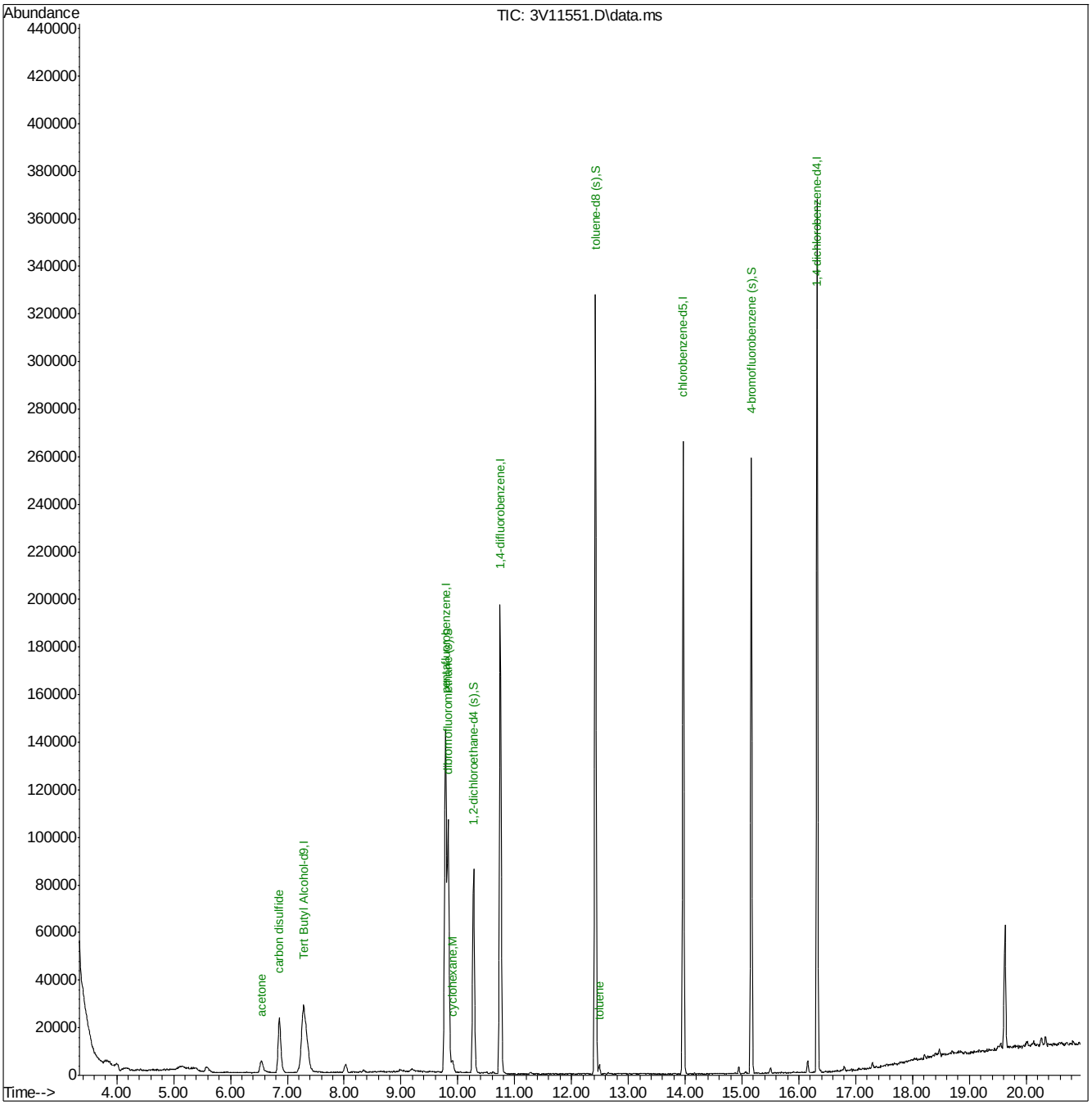
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.285	65	87831	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	133051	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	187302	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	149284	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	90739	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	80207	47.64	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.28%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	72493	49.18	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 98.36%			
71) toluene-d8 (s)	12.418	98	228627	49.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 98.58%			
95) 4-bromofluorobenzene (s)	15.165	95	85996	54.05	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.10%			
Target Compounds						Qvalue
17) acetone	6.546	43	15029	31.92	ug/L	86
22) carbon disulfide	6.860	76	58883	8.86	ug/L	97
52) cyclohexane	9.906	84	2890	1.18	ug/L	87
73) toluene	12.491	92	1840	0.54	ug/L	96

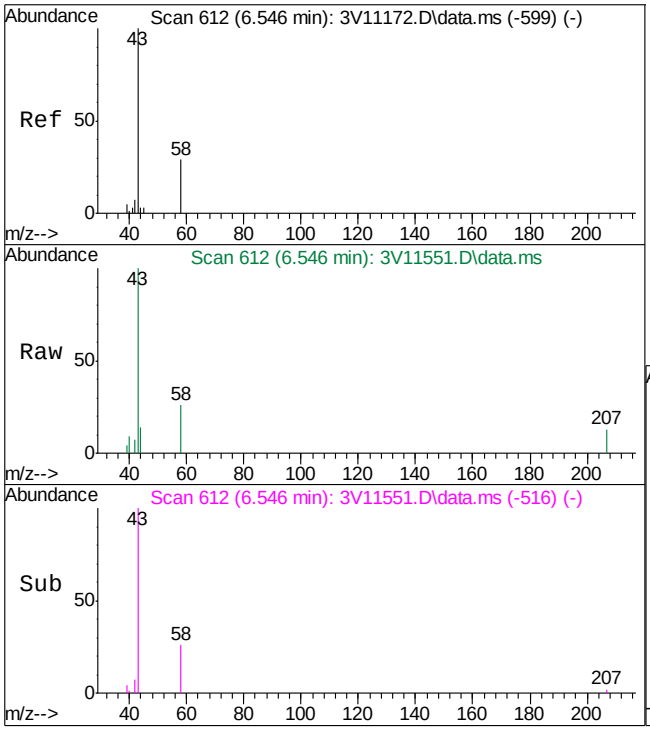
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11551.D
Acq On : 9 Jun 2014 12:18 pm
Operator : thienn
Sample : jb68318-3dup
Misc : MS68601,V3V491,4.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 10 17:08:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

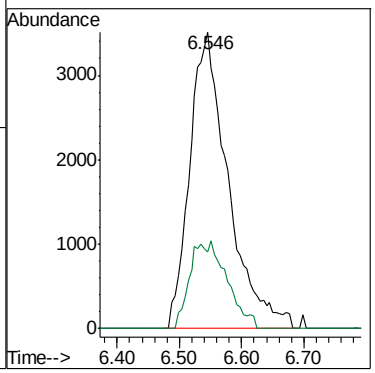


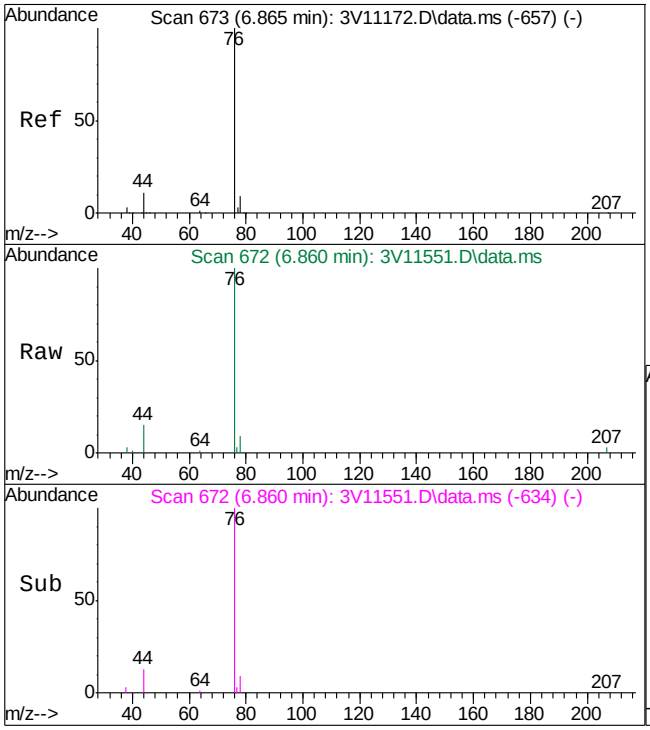


#17
acetone
Concen: 31.92 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11551.D
Acq: 9 Jun 2014 12:18 pm

Tgt Ion: 43 Resp: 15029

Ion	Ratio	Lower	Upper
43	100		
58	25.9	3.8	63.8

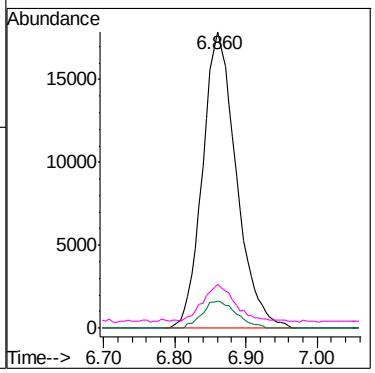


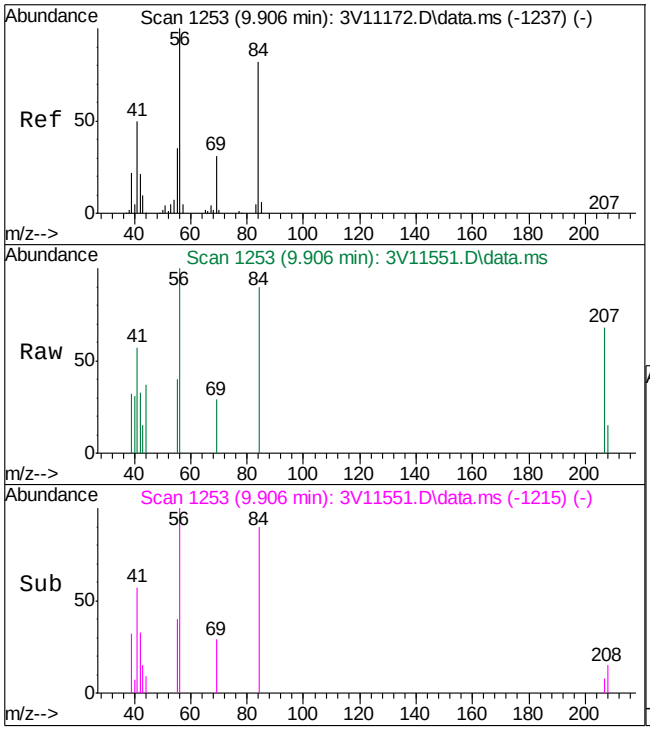


#22
carbon disulfide
Concen: 8.86 ug/L
RT: 6.860 min Scan# 672
Delta R.T. 0.000 min
Lab File: 3V11551.D
Acq: 9 Jun 2014 12:18 pm

Tgt Ion: 76 Resp: 58883

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.0
44	12.4	0.0	40.7

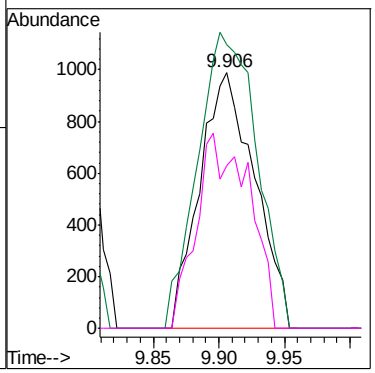


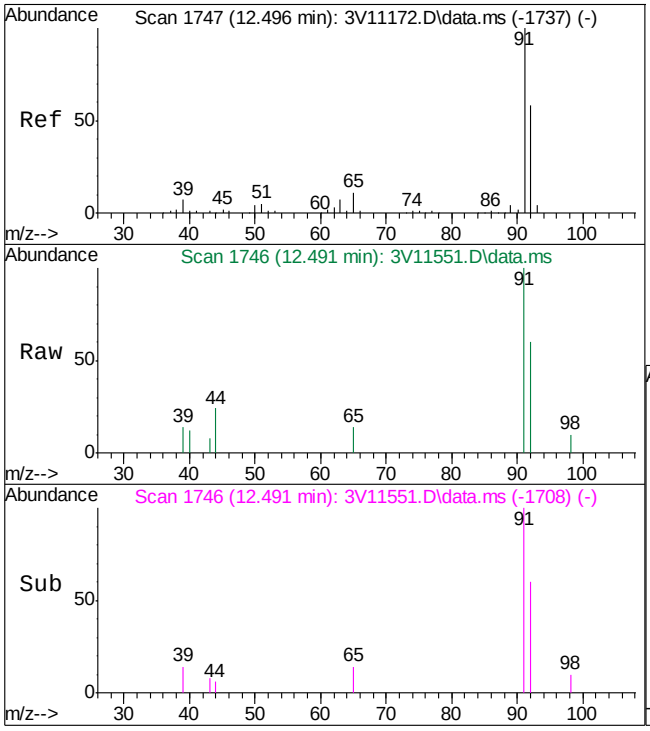


#52
cyclohexane
Concen: 1.18 ug/L
RT: 9.906 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 3V11551.D
Acq: 9 Jun 2014 12:18 pm

Tgt Ion: 84 Resp: 2890

Ion	Ratio	Lower	Upper
84	100		
56	124.6	86.7	146.7
41	73.5	25.3	85.3

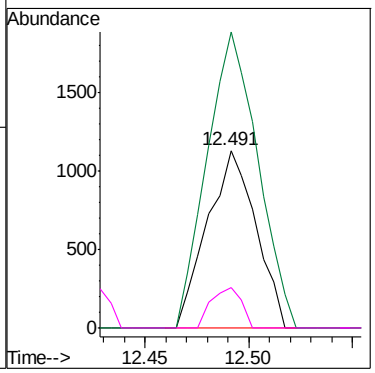




#73
toluene
Concen: 0.54 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11551.D
Acq: 9 Jun 2014 12:18 pm

Tgt Ion: 92 Resp: 1840

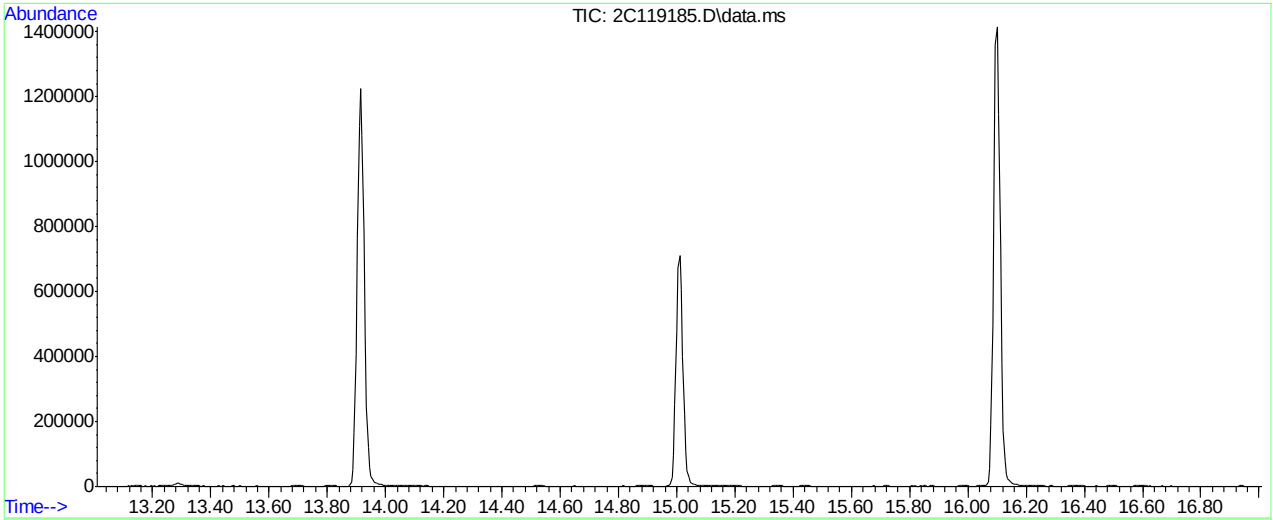
Ion	Ratio	Lower	Upper
92	100		
91	166.6	141.7	201.7
65	23.0	0.0	48.2

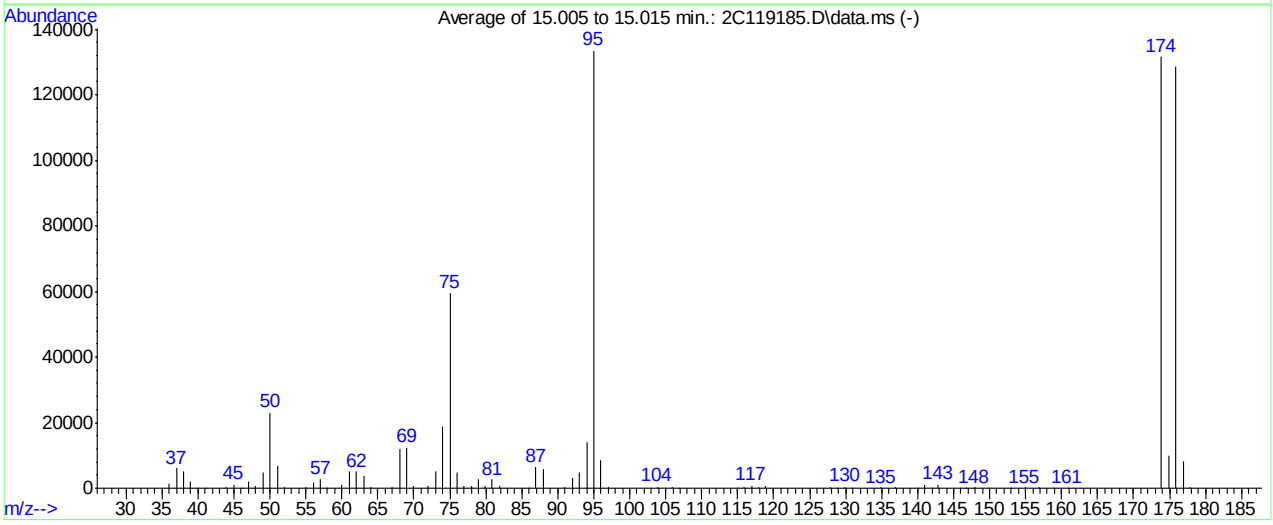


SW-846 Method 8260

Data File : C:\msdchem\1\DATA\2C119185.D Vial: 1
Acq On : 5 Jun 2014 3:32 pm Operator: toanp
Sample : bfb Inst : Instrument #1
Misc : MS68133, V2C5480,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2C5480.M (RTE Integrator)
Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um





AutoFind: Scans 2236, 2237, 2238; Background Corrected with Scan 2227

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	23000	PASS
75	95	30	60	44.6	59576	PASS
95	95	100	100	100.0	133557	PASS
96	95	5	9	6.3	8454	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	98.5	131576	PASS
175	174	5	9	7.6	9938	PASS
176	174	95	101	97.7	128570	PASS
177	176	5	9	6.5	8349	PASS

2C119185.D M2C5480.M Fri Jun 06 10:47:54 2014 RPT1

Average of 15.005 to 15.015 min.: 2C119185.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1244	49.00	4950	63.00	3745	76.95	776
37.00	6009	50.00	23000	64.00	331	77.95	663
38.00	5046	51.00	6960	67.00	365	78.90	2699
39.00	2050	52.00	269	68.00	12069	79.90	843
39.95	94	55.00	277	69.00	12385	80.90	2702
41.10	53	56.00	1709	70.00	867	81.90	567
43.95	461	57.00	2909	72.00	656	82.80	42
45.00	1086	57.95	151	73.00	5010	86.00	69
46.10	44	60.00	1069	74.00	18789	86.95	6450
47.00	2051	61.00	5093	75.00	59576	87.95	5843
48.00	716	62.00	5128	76.00	4759	90.90	430

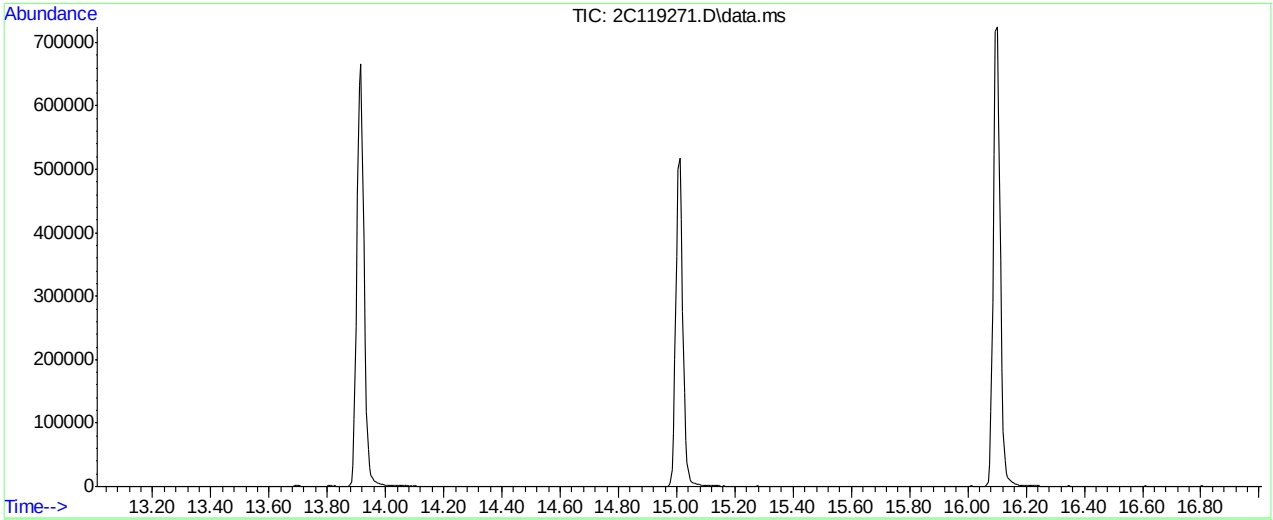
Average of 15.005 to 15.015 min.: 2C119185.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	3122	115.90	361	140.90	1068	160.90	51
93.00	4891	116.90	706	142.00	42	173.90	131576
94.00	14089	117.90	375	142.90	1085	174.95	9938
95.00	133557	118.90	542	145.90	128	175.90	128570
96.00	8454	127.85	402	146.75	89	176.90	8349
97.05	315	128.80	131	147.90	275	177.85	251
103.85	498	129.95	423	149.90	52		
104.90	163	130.90	149	152.90	44		
105.90	438	134.90	210	154.95	291		
106.90	134	136.90	205	156.90	229		
114.90	112	140.00	163	158.85	158		

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\2c\v2c5484-5485\2C119271.D Vial: 1
Acq On : 9 Jun 2014 10:02 am Operator: toanp
Sample : bfb Inst : Instrument #1
Misc : MS68694,V2C5484,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2C5480.M (RTE Integrator)
Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um



AutoFind: Scans 2236, 2237, 2238; Background Corrected with Scan 2227

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	16681	PASS
75	95	30	60	45.3	42837	PASS
95	95	100	100	100.0	94634	PASS
96	95	5	9	6.4	6073	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	101.3	95880	PASS
175	174	5	9	7.4	7129	PASS
176	174	95	101	96.5	92506	PASS
177	176	5	9	6.5	5981	PASS

2C119271.D M2C5480.M Tue Jun 10 15:01:48 2014 RPT1

Average of 15.005 to 15.015 min.: 2C119271.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	890	51.00	5100	68.00	8857	79.95	672
37.00	4113	52.00	270	69.00	8924	80.90	2311
38.00	3849	54.95	221	70.05	725	81.90	493
39.00	1526	56.00	1200	71.95	467	85.80	47
39.95	209	57.00	2325	73.00	3679	86.95	4481
44.00	442	59.95	825	74.00	13954	88.00	4491
45.00	822	61.00	3953	75.00	42837	90.90	322
47.00	1488	62.00	3870	76.00	3575	92.00	2346
48.00	502	63.00	2857	77.00	634	93.00	3665
49.00	3351	64.00	241	78.00	482	94.00	10291
50.00	16681	67.05	260	78.90	2115	95.00	94634

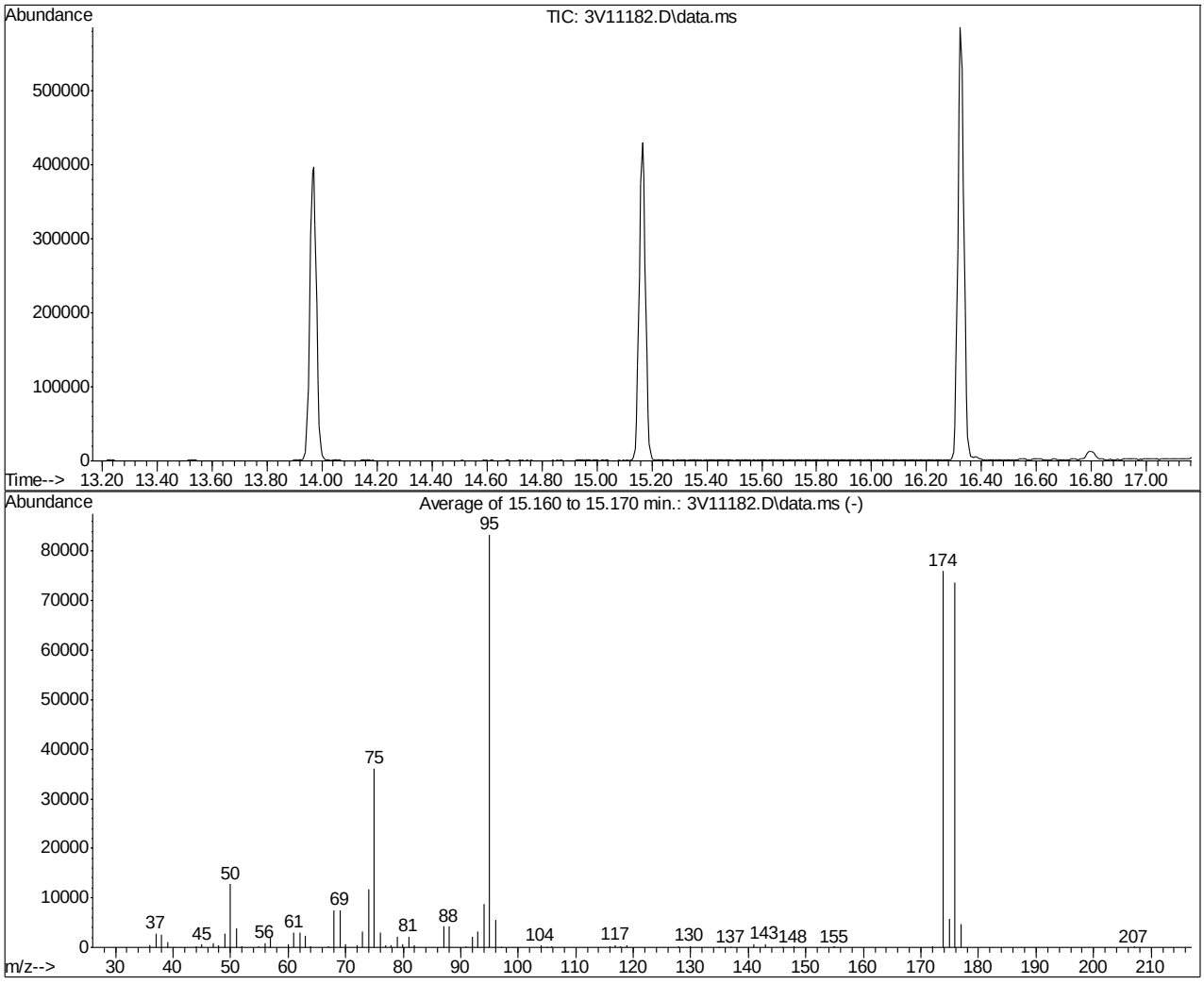
Average of 15.005 to 15.015 min.: 2C119271.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	6073	128.90	98	154.95	168		
97.00	188	129.85	301	156.85	183		
103.85	329	130.95	130	158.80	59		
104.90	98	134.90	173	171.95	115		
105.90	339	136.80	48	173.90	95880		
114.80	43	140.85	875	174.95	7129		
115.85	326	142.00	41	175.90	92506		
116.85	493	142.90	987	176.90	5981		
117.90	308	145.85	152	177.90	165		
118.85	469	147.85	210				
127.85	342	154.80	92				

SW-846 Method 8260

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

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



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

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

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

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

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

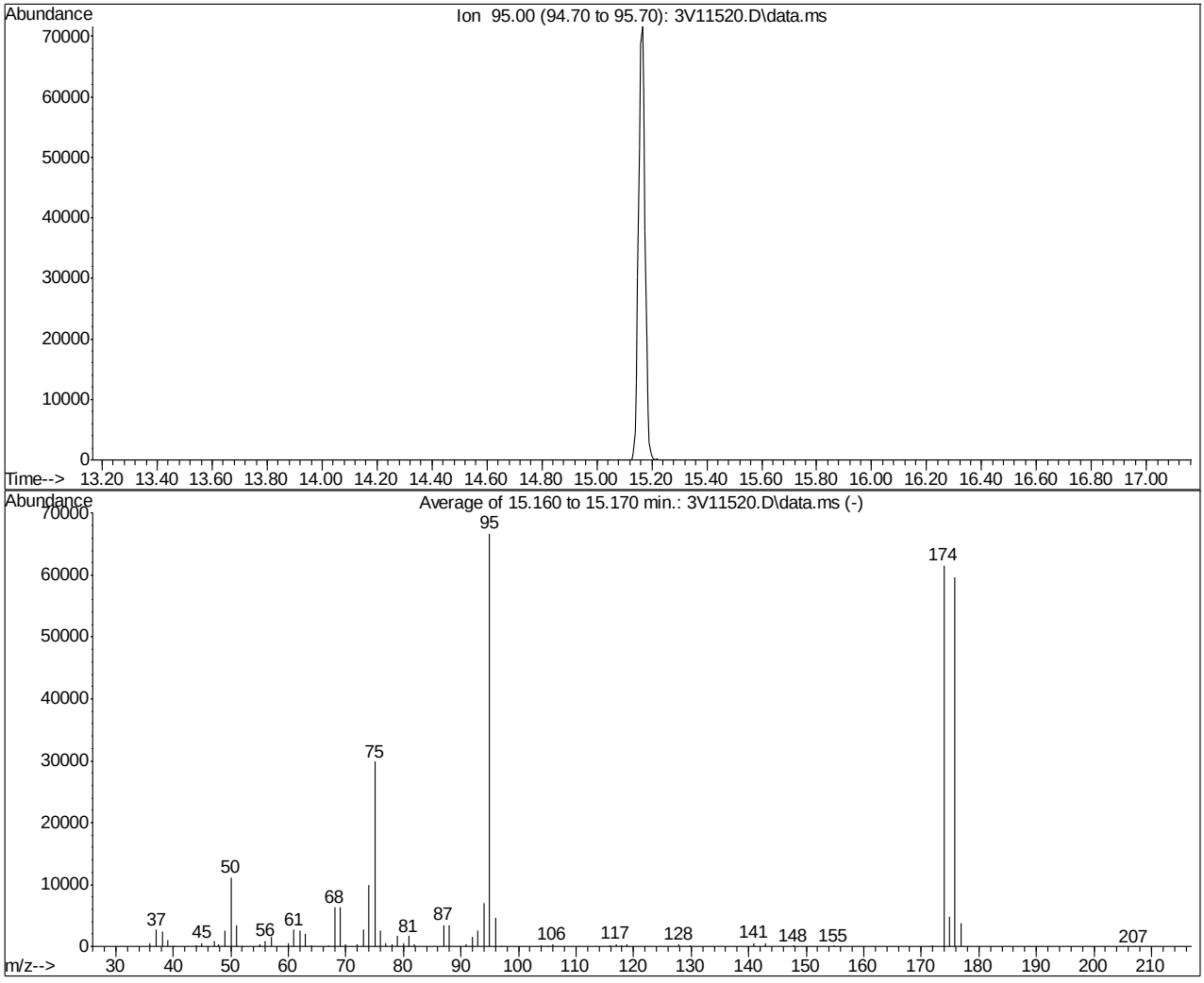
Average of 15.160 to 15.170 min.: 3V11182.D\data.ms
bfb
Modified:subtracted

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

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11520.D Vial: 1
Acq On : 7 Jun 2014 10:40 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68397,V3V491,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	11200	PASS
75	95	30	60	44.8	29909	PASS
95	95	100	100	100.0	66739	PASS
96	95	5	9	6.9	4607	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	92.3	61616	PASS
175	174	5	9	7.9	4843	PASS
176	174	95	101	96.7	59611	PASS
177	176	5	9	6.3	3755	PASS

3V11520.D M3V474.M Tue Jun 10 16:38:32 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11520.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	534	51.05	3398	68.00	6309	79.95	508
37.05	2699	52.00	61	69.00	6258	80.90	1668
38.05	2439	55.00	274	69.95	431	81.95	397
39.00	967	56.00	887	72.00	371	87.00	3499
40.00	17	57.00	1518	73.00	2661	87.90	3384
44.00	205	60.00	596	74.00	9866	90.95	267
45.00	524	61.00	2680	75.00	29909	92.00	1621
47.05	907	62.00	2614	76.00	2560	93.00	2528
47.95	372	63.00	1980	76.95	458	94.00	7086
49.00	2499	64.00	124	77.95	347	95.00	66739
50.00	11200	66.95	129	78.90	1711	96.00	4607

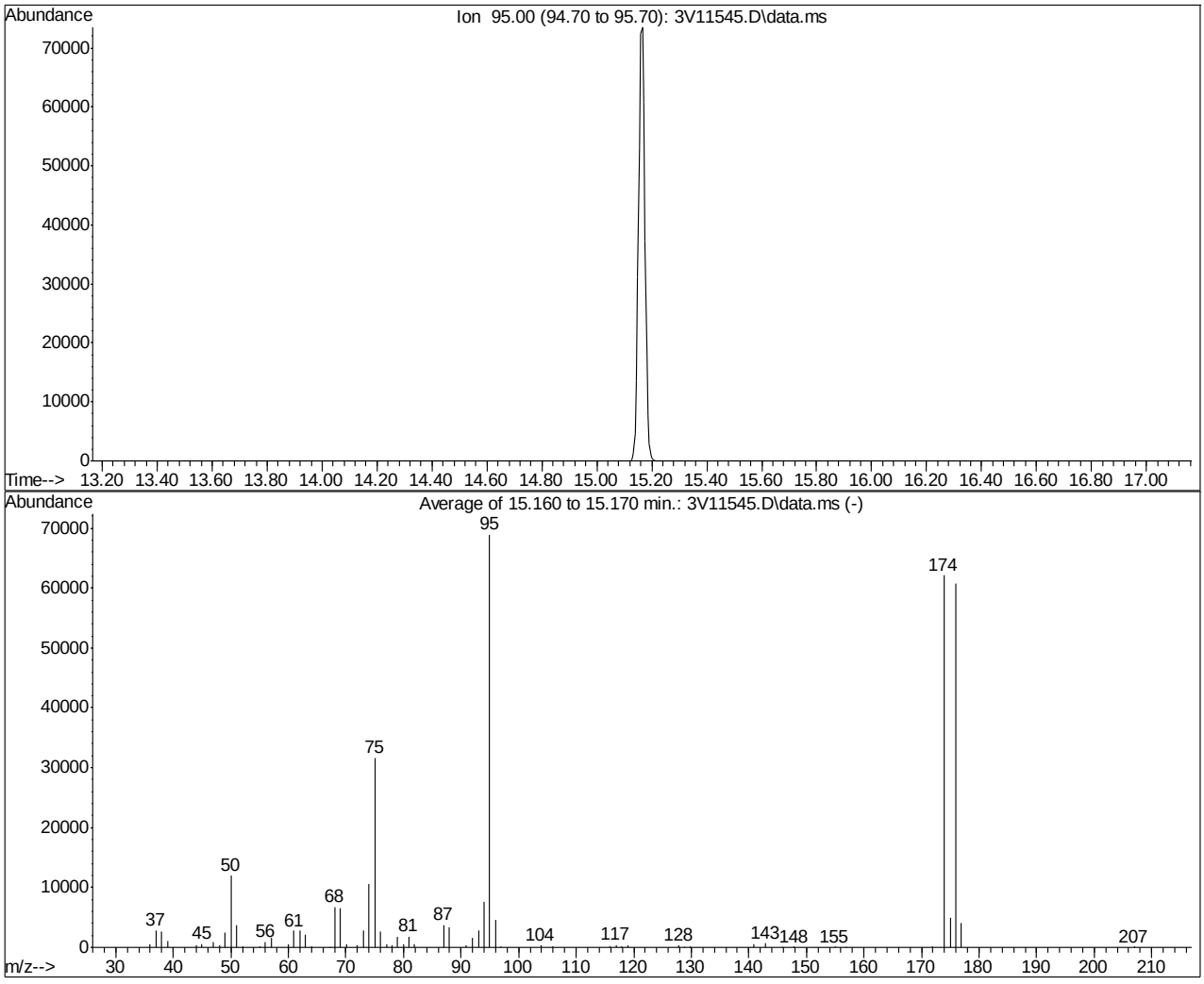
Average of 15.160 to 15.170 min.: 3V11520.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	53	142.90	561				
103.90	258	147.80	110				
105.00	50	154.85	117				
105.90	296	171.95	193				
115.90	217	173.90	61616				
116.95	379	174.95	4843				
117.90	233	175.90	59611				
118.90	361	176.95	3755				
127.85	278	207.00	2				
129.95	251						
140.90	576						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11545.D Vial: 1
Acq On : 9 Jun 2014 8:31 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68678,V3V492,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	11954	PASS
75	95	30	60	45.9	31624	PASS
95	95	100	100	100.0	68949	PASS
96	95	5	9	6.7	4654	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.1	62107	PASS
175	174	5	9	7.9	4936	PASS
176	174	95	101	97.8	60771	PASS
177	176	5	9	6.6	3996	PASS

3V11545.D M3V474.M Tue Jun 10 17:01:58 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11545.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	574	52.05	186	69.00	6509	80.90	1807
37.00	2864	55.00	200	70.05	478	81.90	482
38.00	2581	56.00	930	72.00	326	87.00	3734
39.05	1032	57.00	1670	73.00	2767	88.00	3424
44.00	306	60.00	607	74.00	10551	90.95	279
45.00	561	61.00	2776	75.00	31624	92.00	1651
47.00	949	62.00	2775	76.00	2611	93.00	2763
48.00	367	63.00	2138	77.00	493	94.00	7606
49.00	2412	64.05	163	77.95	376	95.00	68949
50.00	11954	67.10	67	78.90	1813	96.00	4654
51.00	3767	68.00	6776	79.95	590	96.90	119

Average of 15.160 to 15.170 min.: 3V11545.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.85	307	145.80	57				
105.90	244	147.85	133				
115.90	229	154.95	139				
116.90	384	156.90	64				
117.90	260	171.90	201				
118.90	320	173.90	62107				
127.90	285	175.00	4936				
128.80	55	175.90	60771				
129.90	234	176.95	3996				
140.90	616	206.95	127				
142.90	687						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119186.D
Acq On : 5 Jun 2014 4:19 pm
Operator : toanp
Sample : ic5480-0.2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:08:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.429	65	212829	500.00	ug/L		0.02
5) pentafluorobenzene	9.888	168	390976	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	483674	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	407644	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	212755	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
55) 1,2-dichloroethane-d4 (s)	0.000	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
84) toluene-d8 (s)	0.000	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
109) 4-bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
11) chlorodifluoromethane	3.769	51	522	0.17	ug/L		67
17) bromomethane	4.996	94	502	0.21	ug/L	#	75
33) carbon disulfide	7.072	76	1508	0.18	ug/L		75
34) methylene chloride	7.450	84	568	0.20	ug/L	#	53
37) methyl tert butyl ether	7.822	73	1494	0.19	ug/L		53
39) di-isopropyl ether	8.498	45	1924	0.20	ug/L	#	44
41) 1,1-dichloroethane	8.498	63	772	0.15	ug/L	#	50
45) ethyl tert-butyl ether	9.012	59	1438	0.17	ug/L		98
66) 1,1-dichloropropene	10.176	75	579	0.17	ug/L	#	47
67) hexane	8.210	57	813	0.22	ug/L		84
69) iso-octane	10.449	57	1251	0.17	ug/L	#	64
70) benzene	10.438	78	2337	0.22	ug/L		79
82) bromodichloromethane	11.738	83	617	0.17	ug/L		90
83) cis-1,3-dichloropropene	12.200	75	779	0.18	ug/L	#	68
86) toluene	12.551	92	1036	0.17	ug/L		92
88) trans-1,3-dichloropropene	12.761	75	699	0.17	ug/L		98
94) 1,3-dichloropropane	13.123	76	766	0.19	ug/L		92
100) chlorobenzene	13.951	112	1253	0.19	ug/L		84
102) ethylbenzene	14.009	91	2037	0.18	ug/L		91
104) o-xylene	14.496	106	704	0.16	ug/L		92
108) isopropylbenzene	14.821	105	1912	0.18	ug/L		94
111) bromobenzene	15.199	156	556	0.18	ug/L	#	78
112) 1,1,2,2-tetrachloroethane	15.104	83	701	0.18	ug/L		82
115) n-propylbenzene	15.209	91	2343	0.19	ug/L		91
117) 4-chlorotoluene	15.435	91	1457	0.18	ug/L		87
118) 1,3,5-trimethylbenzene	15.346	105	1703	0.19	ug/L		93
119) tert-butylbenzene	15.671	119	1419	0.18	ug/L		97
121) 1,2,4-trimethylbenzene	15.713	105	1591	0.18	ug/L		78
122) sec-butylbenzene	15.875	105	2067	0.17	ug/L		95
123) 1,3-dichlorobenzene	16.053	146	1068	0.18	ug/L		78
124) p-isopropyltoluene	15.985	119	1736	0.18	ug/L		88
126) 1,4-dichlorobenzene	16.122	146	1185m	0.21	ug/L		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119186.D
Acq On : 5 Jun 2014 4:19 pm
Operator : toanp
Sample : ic5480-0.2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:08:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

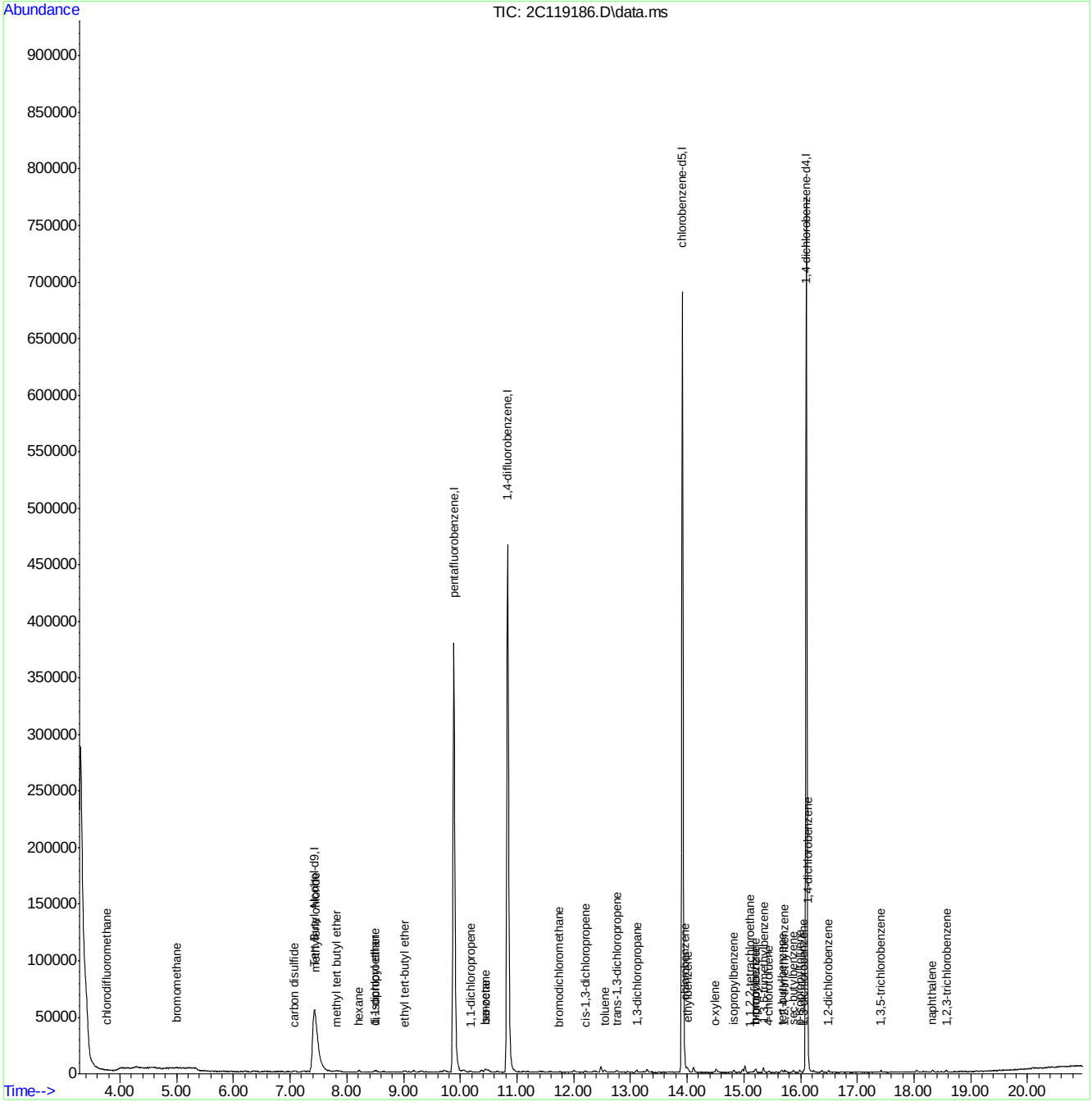
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
127) 1,2-dichlorobenzene	16.489	146	1085	0.19	ug/L	88
130) 1,3,5-trichlorobenzene	17.417	180	928	0.19	ug/L	96
133) naphthalene	18.324	128	2393	0.23	ug/L	84
134) 1,2,3-trichlorobenzene	18.570	180	805	0.20	ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119186.D
Acq On : 5 Jun 2014 4:19 pm
Operator : toanp
Sample : ic5480-0.2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:08:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

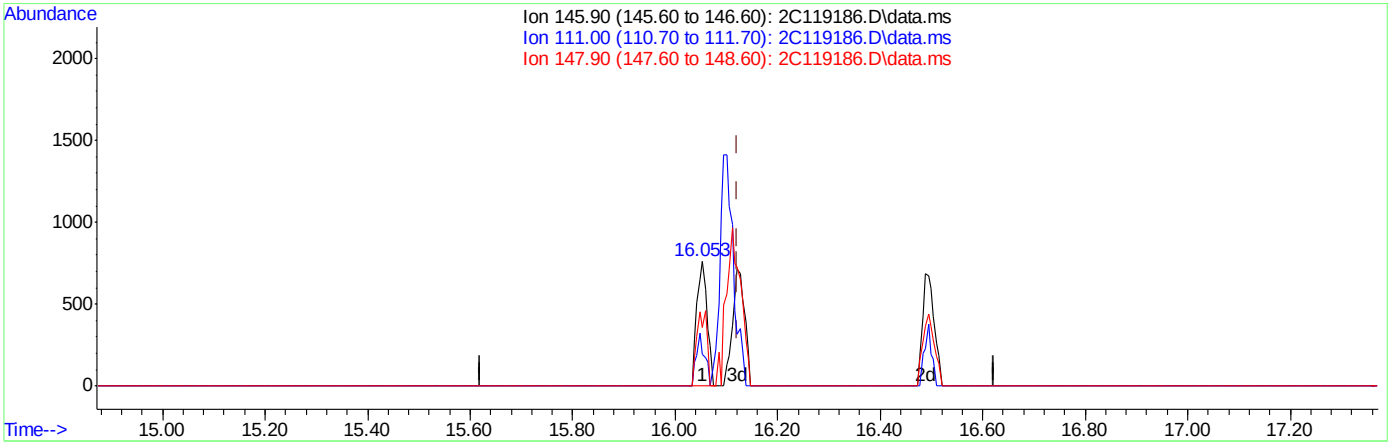


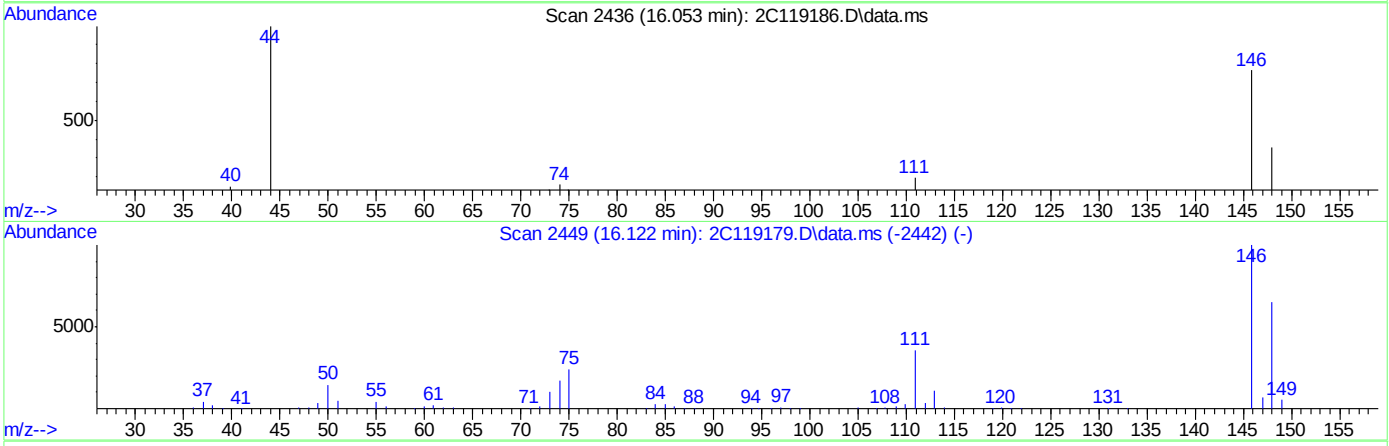
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119186.D
Acq On : 5 Jun 2014 4:19 pm
Operator : toanp
Sample : ic5480-0.2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 10:35:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration





TIC: 2C119186.D\data.ms

(126) 1,4-dichlorobenzene

16.053min (-0.068) 0.19ug/L

response 1068

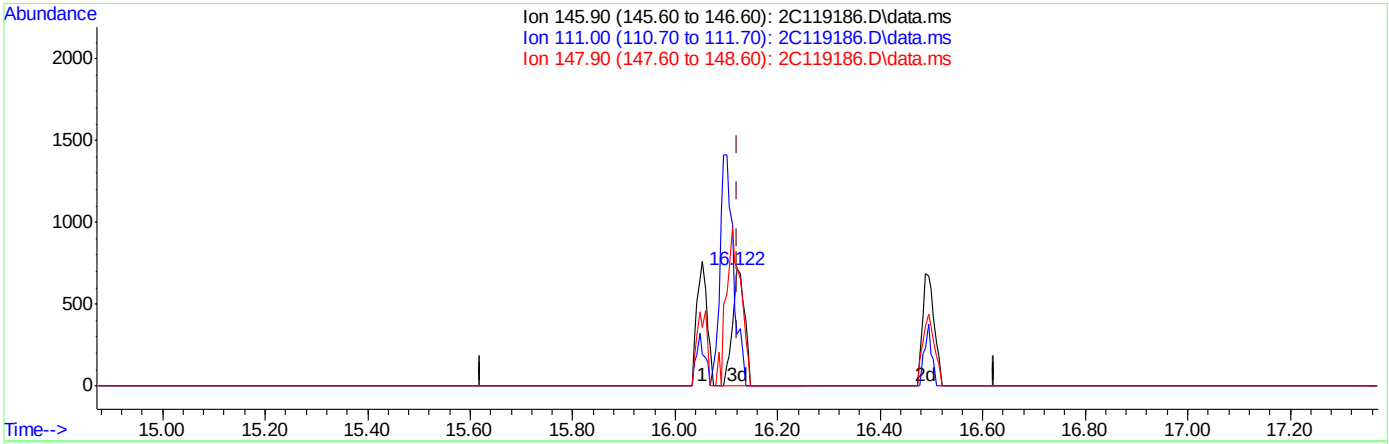
Ion	Exp%	Act%
145.90	100	100
111.00	35.70	25.39
147.90	65.00	46.73
0.00	0.00	0.00

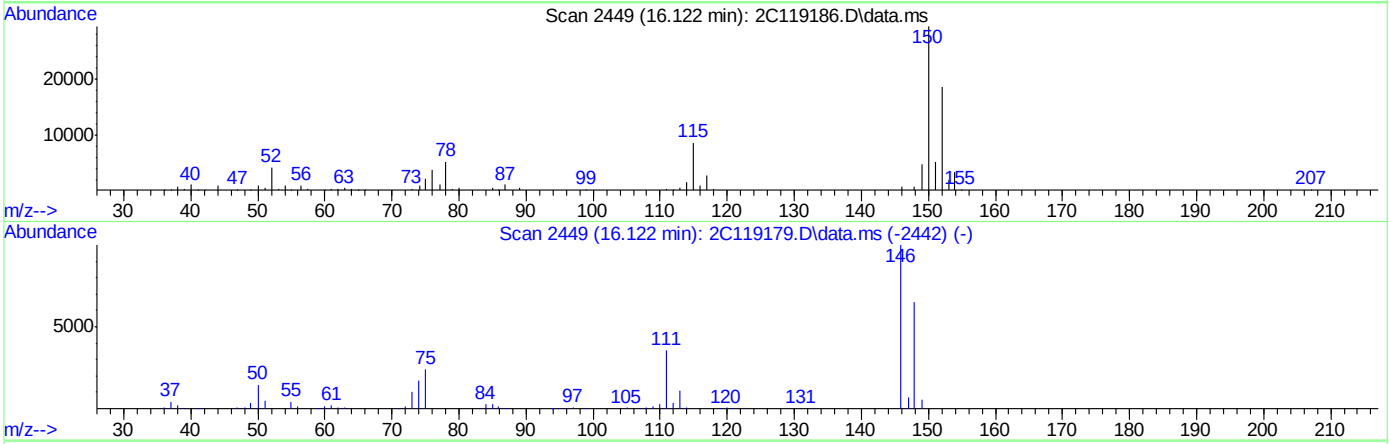
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119186.D
Acq On : 5 Jun 2014 4:19 pm
Operator : toanp
Sample : ic5480-0.2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:08:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration





TIC: 2C119186.D\data.ms

(126) 1,4-dichlorobenzene

16.122min (-0.000) 0.21ug/L m

response 1185

Ion	Exp%	Act%
145.90	100	100
111.00	35.70	44.04
147.90	65.00	102.24#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119187.D
Acq On : 5 Jun 2014 4:48 pm
Operator : toanp
Sample : ic5480-0.5
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:35:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	192246	500.00	ug/L		-0.01
5) pentafluorobenzene	9.888	168	380300	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	467318	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	394131	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	208309	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
55) 1,2-dichloroethane-d4 (s)	0.000	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
84) toluene-d8 (s)	0.000	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
109) 4-bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
11) chlorodifluoromethane	3.748	51	1152	0.40	ug/L		67
15) chloromethane	4.037	50	2063	0.50	ug/L		85
16) vinyl chloride	4.299	62	1574	0.43	ug/L		71
17) bromomethane	4.996	94	1125	0.49	ug/L		93
18) chloroethane	5.201	64	653	0.39	ug/L	#	45
27) 1,1-dichloroethene	6.642	96	920	0.39	ug/L	#	45
31) iodomethane	6.920	142	1587	0.34	ug/L		90
33) carbon disulfide	7.067	76	3409	0.43	ug/L		79
34) methylene chloride	7.445	84	1202	0.44	ug/L		99
36) methyl acetate	7.303	43	1137	0.41	ug/L		63
37) methyl tert butyl ether	7.817	73	3364	0.44	ug/L		99
38) trans-1,2-dichloroethene	7.880	96	1148	0.45	ug/L		80
39) di-isopropyl ether	8.509	45	4044	0.43	ug/L	#	37
41) 1,1-dichloroethane	8.498	63	1967	0.40	ug/L		79
45) ethyl tert-butyl ether	9.017	59	3299	0.40	ug/L		96
48) cis-1,2-dichloroethene	9.316	96	1225	0.44	ug/L	#	73
51) tetrahydrofuran	9.715	42	630	0.46	ug/L	#	36
52) chloroform	9.699	83	2091	0.46	ug/L		73
58) 1,1,1-trichloroethane	9.972	97	1429	0.41	ug/L	#	31
60) tert amyl alcohol	10.501	55	987	2.29	ug/L	#	89
63) epichlorohydrin	12.121	57	658	1.85	ug/L		54
65) carbon tetrachloride	10.181	117	1325	0.40	ug/L		92
66) 1,1-dichloropropene	10.176	75	1416	0.42	ug/L		70
67) hexane	8.215	57	1400	0.40	ug/L		83
69) iso-octane	10.465	57	3180	0.44	ug/L	#	66
70) benzene	10.444	78	4601	0.45	ug/L		87
71) tert-amyl methyl ether	10.491	87	616	0.34	ug/L	#	34
73) isopropyl acetate	10.402	43	3520	0.51	ug/L		87
74) 1,2-dichloroethane	10.465	62	1265	0.39	ug/L		87
75) trichloroethene	11.188	95	1035	0.41	ug/L		87
76) 2-nitropropane	11.954	41	806	0.61	ug/L	#	79
79) 1,2-dichloropropane	11.440	63	985	0.36	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119187.D
Acq On : 5 Jun 2014 4:48 pm
Operator : toanp
Sample : ic5480-0.5
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:35:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

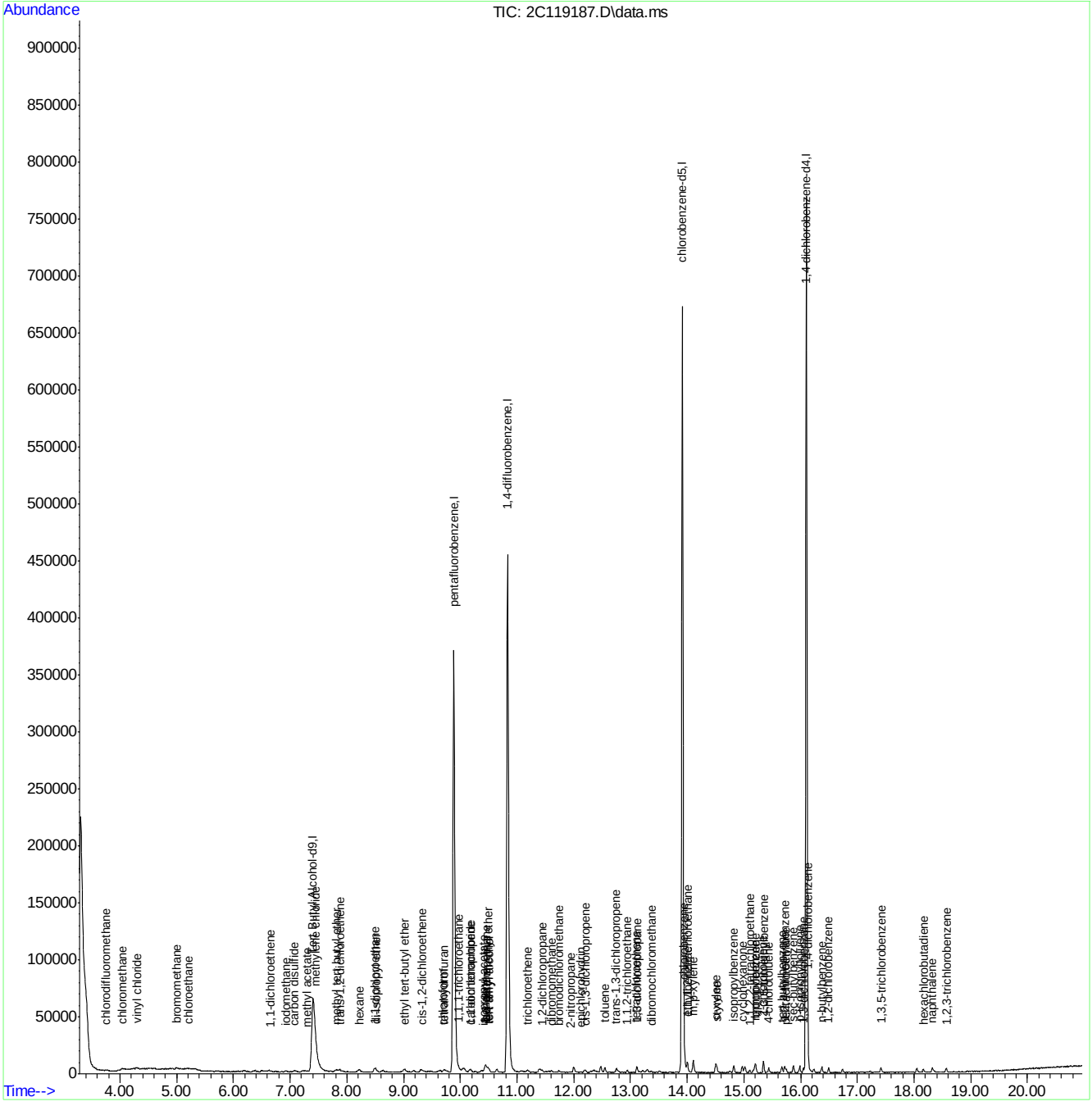
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) dibromomethane	11.602	93	601	0.36	ug/L		94
82) bromodichloromethane	11.733	83	1375	0.40	ug/L		95
83) cis-1,3-dichloropropene	12.200	75	1719	0.40	ug/L		88
86) toluene	12.551	92	2401	0.41	ug/L		96
88) trans-1,3-dichloropropene	12.745	75	1608	0.41	ug/L		85
90) 1,1,2-trichloroethane	12.939	83	831	0.40	ug/L		84
93) tetrachloroethene	13.107	164	865	0.39	ug/L		89
94) 1,3-dichloropropane	13.112	76	1524	0.39	ug/L		95
97) dibromochloromethane	13.369	129	1095	0.37	ug/L		88
100) chlorobenzene	13.946	112	2775	0.43	ug/L		97
101) 1,1,1,2-tetrachloroethane	14.004	131	1135	0.45	ug/L		89
102) ethylbenzene	14.004	91	4600	0.43	ug/L		95
103) m,p-xylene	14.108	106	3434	0.81	ug/L		99
104) o-xylene	14.502	106	1693	0.41	ug/L		92
105) styrene	14.517	104	2751	0.39	ug/L		94
108) isopropylbenzene	14.822	105	4676	0.44	ug/L		98
110) cyclohexanone	14.974	55	2883	6.20	ug/L		94
111) bromobenzene	15.199	156	1237	0.40	ug/L	#	72
112) 1,1,2,2-tetrachloroethane	15.105	83	1548	0.40	ug/L		91
115) n-propylbenzene	15.210	91	4862	0.40	ug/L		95
116) 2-chlorotoluene	15.341	126	1131	0.42	ug/L		93
117) 4-chlorotoluene	15.435	91	3461	0.44	ug/L		95
118) 1,3,5-trimethylbenzene	15.346	105	3686	0.42	ug/L		97
119) tert-butylbenzene	15.671	119	3449	0.45	ug/L		94
120) pentachloroethane	15.744	167	745	0.37	ug/L		91
121) 1,2,4-trimethylbenzene	15.718	105	3625	0.42	ug/L		92
122) sec-butylbenzene	15.870	105	5122	0.44	ug/L		92
123) 1,3-dichlorobenzene	16.048	146	2354	0.41	ug/L		90
124) p-isopropyltoluene	15.985	119	3782	0.39	ug/L		96
126) 1,4-dichlorobenzene	16.127	146	2219	0.40	ug/L		83
127) 1,2-dichlorobenzene	16.494	146	2371	0.42	ug/L		86
128) n-butylbenzene	16.373	92	1909	0.38	ug/L		91
130) 1,3,5-trichlorobenzene	17.422	180	1842	0.39	ug/L		97
132) hexachlorobutadiene	18.167	225	944	0.40	ug/L		93
133) naphthalene	18.324	128	3829	0.38	ug/L		100
134) 1,2,3-trichlorobenzene	18.576	180	1462	0.36	ug/L		85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119187.D
Acq On : 5 Jun 2014 4:48 pm
Operator : toanp
Sample : ic5480-0.5
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:35:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119188.D
Acq On : 5 Jun 2014 5:16 pm
Operator : toanp
Sample : ic5480-1
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 10:34:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	184266	500.00	ug/L		-0.01
5) pentafluorobenzene	9.883	168	377120	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	463214	50.00	ug/L		0.00
92) chlorobenzene-d5	13.915	117	394362	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	206883	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.919	113	2597	1.02	ug/L		0.01
Spiked Amount 50.000	Range 79 - 120		Recovery = 2.04%#				
55) 1,2-dichloroethane-d4 (s)	10.360	65	3001	1.01	ug/L		0.01
Spiked Amount 50.000	Range 72 - 123		Recovery = 2.02%#				
84) toluene-d8 (s)	12.473	98	8505	0.96	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 1.92%#				
109) 4-bromofluorobenzene (s)	15.016	95	3495	1.05	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 2.10%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.555	59	1906	4.46	ug/L	#	100
3) ethanol	6.024	45	2382	180.12	ug/L	#	1
11) chlorodifluoromethane	3.759	51	2584	0.90	ug/L		85
15) chloromethane	4.031	50	3543	0.86	ug/L		93
16) vinyl chloride	4.299	62	2966	0.81	ug/L		90
17) bromomethane	5.007	94	2031	0.89	ug/L		76
18) chloroethane	5.201	64	1445	0.87	ug/L		71
22) 2-CHLOROPROPANE	6.365	43	5172	1.10	ug/L	#	73
26) acrolein	6.427	56	770613	986.67	ug/L		99
27) 1,1-dichloroethene	6.616	96	1872	0.80	ug/L	#	66
33) carbon disulfide	7.067	76	6739	0.85	ug/L		87
34) methylene chloride	7.424	84	2250	0.84	ug/L		91
36) methyl acetate	7.277	43	2705	0.98	ug/L		63
37) methyl tert butyl ether	7.833	73	6450	0.85	ug/L		93
38) trans-1,2-dichloroethene	7.854	96	2121	0.84	ug/L		88
39) di-isopropyl ether	8.493	45	8994	0.96	ug/L	#	37
41) 1,1-dichloroethane	8.493	63	3757	0.78	ug/L		92
43) acrylonitrile	7.864	53	4901	3.76	ug/L		86
45) ethyl tert-butyl ether	9.012	59	7624	0.93	ug/L		92
47) 2,2-dichloropropane	9.295	77	2942	0.89	ug/L		81
48) cis-1,2-dichloroethene	9.311	96	2110	0.77	ug/L		86
49) propionitrile	9.411	54	4081	7.90	ug/L		85
50) bromochloromethane	9.636	128	1011	0.71	ug/L		79
51) tetrahydrofuran	9.699	42	1537	1.14	ug/L	#	36
52) chloroform	9.710	83	3783	0.83	ug/L		94
53) t-butyl formate	9.741	59	1975	0.86	ug/L		92
57) methacrylonitrile	9.610	41	1803	0.86	ug/L		78
58) 1,1,1-trichloroethane	9.966	97	2946	0.84	ug/L	#	58
59) Cyclohexane	10.040	84	2841	0.82	ug/L	#	63
63) epichlorohydrin	12.106	57	1596	4.54	ug/L		84
65) carbon tetrachloride	10.187	117	2552	0.79	ug/L		85
66) 1,1-dichloropropene	10.166	75	2706	0.81	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119188.D
Acq On : 5 Jun 2014 5:16 pm
Operator : toanp
Sample : ic5480-1
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 10:34:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
67) hexane	8.205	57	3056	0.88	ug/L		80
69) iso-octane	10.438	57	6372	0.90	ug/L		87
70) benzene	10.438	78	8749	0.86	ug/L		92
71) tert-amyl methyl ether	10.486	87	1741	0.98	ug/L	#	63
72) heptane	10.638	57	2072	0.74	ug/L		93
73) isopropyl acetate	10.402	43	6972	1.03	ug/L		96
74) 1,2-dichloroethane	10.470	62	2667	0.83	ug/L		85
75) trichloroethene	11.193	95	2135	0.85	ug/L		83
76) 2-nitropropane	11.943	41	1288	0.98	ug/L	#	78
77) 2-chloroethyl vinyl ether	11.990	63	7210	4.03	ug/L		97
79) 1,2-dichloropropane	11.445	63	2233	0.83	ug/L		89
80) dibromomethane	11.602	93	1411	0.84	ug/L		91
81) methylcyclohexane	11.398	83	3564	0.85	ug/L		96
82) bromodichloromethane	11.733	83	2837	0.83	ug/L		97
83) cis-1,3-dichloropropene	12.200	75	3398	0.80	ug/L		92
85) 4-methyl-2-pentanone	12.300	58	1162	0.85	ug/L	#	69
86) toluene	12.546	92	5086	0.88	ug/L		85
87) 3-methyl-1-butanol	12.342	55	2778	18.64	ug/L		84
88) trans-1,3-dichloropropene	12.745	75	3312	0.84	ug/L		86
89) ethyl methacrylate	12.751	69	3046	0.80	ug/L		80
90) 1,1,2-trichloroethane	12.939	83	1695	0.82	ug/L		92
93) tetrachloroethene	13.107	164	1732	0.79	ug/L		93
94) 1,3-dichloropropane	13.112	76	3272	0.83	ug/L		98
95) butyl acetate	13.201	56	1850	0.67	ug/L	#	74
96) 3,3-dimethyl-1-butanol	13.285	57	3166	9.41	ug/L		97
97) dibromochloromethane	13.364	129	2361	0.81	ug/L		87
98) 1,2-dibromoethane	13.511	107	2122	0.78	ug/L		99
100) chlorobenzene	13.951	112	5347	0.82	ug/L		84
101) 1,1,1,2-tetrachloroethane	14.004	131	1992	0.78	ug/L		96
102) ethylbenzene	14.004	91	8793	0.81	ug/L		91
103) m,p-xylene	14.108	106	7002	1.66	ug/L		98
104) o-xylene	14.496	106	3391	0.81	ug/L		96
105) styrene	14.517	104	5522	0.78	ug/L		96
106) bromoform	14.753	173	1983	0.79	ug/L		95
108) isopropylbenzene	14.822	105	8831	0.83	ug/L		93
110) cyclohexanone	14.968	55	6003	13.01	ug/L		98
111) bromobenzene	15.194	156	2594	0.85	ug/L		93
112) 1,1,2,2-tetrachloroethane	15.105	83	3775	0.99	ug/L		88
114) 1,2,3-trichloropropane	15.173	110	890	0.99	ug/L		89
115) n-propylbenzene	15.204	91	10126	0.85	ug/L		96
116) 2-chlorotoluene	15.346	126	2253	0.84	ug/L		94
117) 4-chlorotoluene	15.435	91	7042	0.91	ug/L		96
118) 1,3,5-trimethylbenzene	15.346	105	7598	0.87	ug/L		99
119) tert-butylbenzene	15.671	119	6428	0.84	ug/L		98
120) pentachloroethane	15.744	167	1827	0.91	ug/L		90
121) 1,2,4-trimethylbenzene	15.713	105	7439	0.87	ug/L		98
122) sec-butylbenzene	15.875	105	10087	0.87	ug/L		98
123) 1,3-dichlorobenzene	16.048	146	5119	0.91	ug/L		96
124) p-isopropyltoluene	15.986	119	8371	0.87	ug/L		96
126) 1,4-dichlorobenzene	16.127	146	5114	0.92	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119188.D
Acq On : 5 Jun 2014 5:16 pm
Operator : toanp
Sample : ic5480-1
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 10:34:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

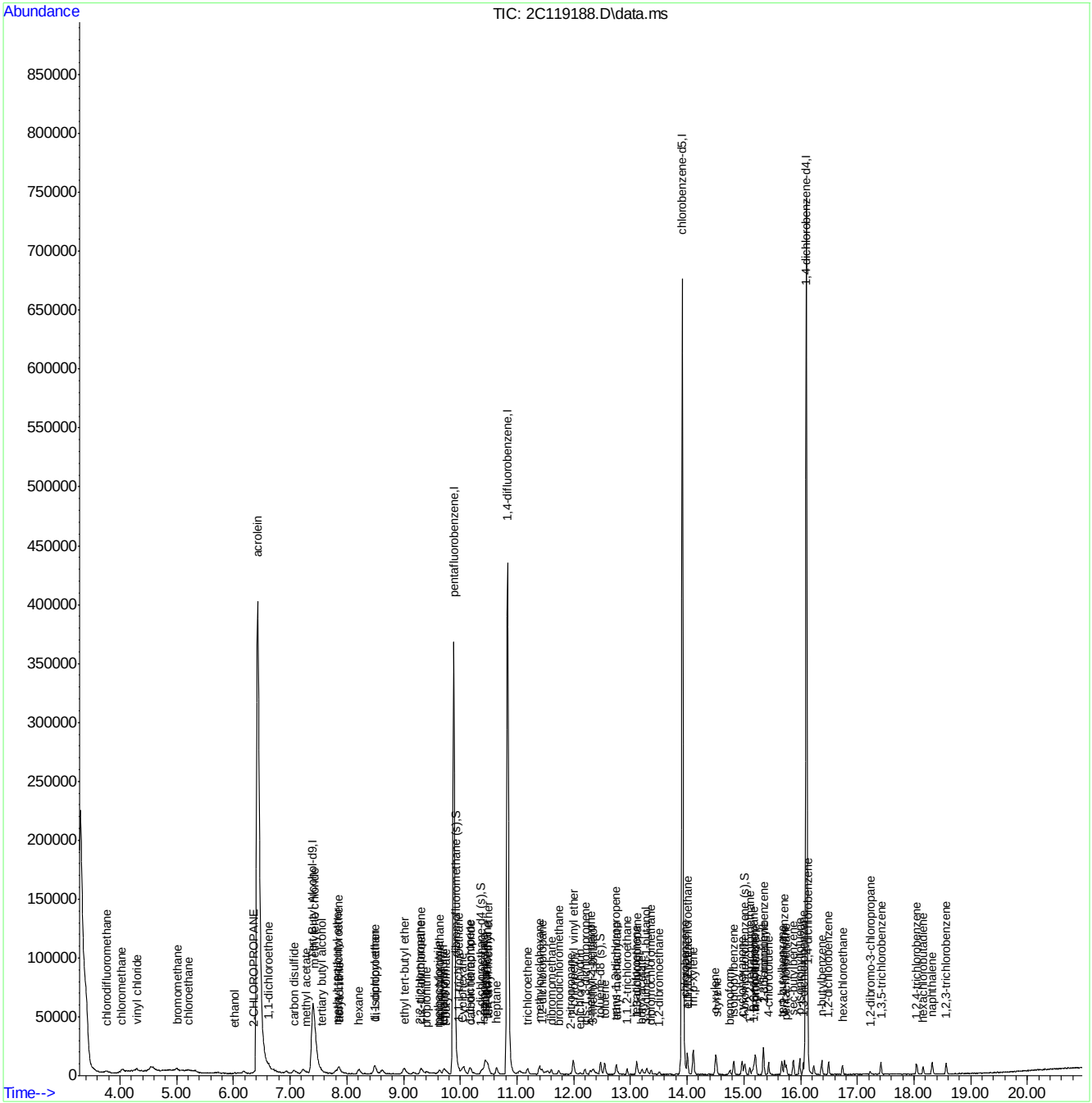
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
127) 1,2-dichlorobenzene	16.489	146	5527	0.99	ug/L		97
128) n-butylbenzene	16.374	92	4267	0.86	ug/L		96
129) 1,2-dibromo-3-chloropr...	17.228	75	580	0.86	ug/L	#	76
130) 1,3,5-trichlorobenzene	17.422	180	4203	0.90	ug/L	#	92
131) 1,2,4-trichlorobenzene	18.046	180	3726	0.86	ug/L		91
132) hexachlorobutadiene	18.161	225	1897	0.81	ug/L		93
133) naphthalene	18.319	128	9747	0.97	ug/L		97
134) 1,2,3-trichlorobenzene	18.565	180	3740	0.94	ug/L		98
135) hexachloroethane	16.741	201	1513	0.75	ug/L		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119188.D
Acq On : 5 Jun 2014 5:16 pm
Operator : toanp
Sample : ic5480-1
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 10:34:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119189.D
Acq On : 5 Jun 2014 5:45 pm
Operator : toanp
Sample : ic5480-2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 10:36:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.408	65	185070	500.00	ug/L		0.00
5) pentafluorobenzene	9.888	168	375433	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	462546	50.00	ug/L		0.00
92) chlorobenzene-d5	13.915	117	388787	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	207099	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.925	113	4953	1.95	ug/L		0.02
Spiked Amount 50.000	Range 79 - 120		Recovery = 3.90%#				
55) 1,2-dichloroethane-d4 (s)	10.360	65	5907	1.99	ug/L		0.01
Spiked Amount 50.000	Range 72 - 123		Recovery = 3.98%#				
84) toluene-d8 (s)	12.473	98	16944	1.91	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 3.82%#				
109) 4-bromofluorobenzene (s)	15.010	95	6531	1.95	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 3.90%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.565	59	4060	9.47	ug/L	#	100
3) ethanol	6.060	45	5196	391.21	ug/L	#	1
11) chlorodifluoromethane	3.759	51	5467	1.91	ug/L		98
12) dichlorodifluoromethane	3.753	85	5086	1.67	ug/L		93
15) chloromethane	4.042	50	7640	1.86	ug/L		99
16) vinyl chloride	4.294	62	6543	1.80	ug/L		96
17) bromomethane	4.991	94	4292	1.88	ug/L		90
18) chloroethane	5.190	64	2896	1.75	ug/L		95
19) trichlorofluoromethane	5.720	101	6302	1.60	ug/L		98
21) ethyl ether	6.181	74	2488	1.62	ug/L		91
22) 2-CHLOROPROPANE	6.370	43	8399	1.80	ug/L	#	75
26) acrolein	6.427	56	1512566	1945.35	ug/L		99
27) 1,1-dichloroethene	6.627	96	4147	1.78	ug/L		90
31) iodomethane	6.931	142	8108	1.78	ug/L		93
33) carbon disulfide	7.062	76	15022	1.91	ug/L		83
34) methylene chloride	7.434	84	5090	1.90	ug/L		84
36) methyl acetate	7.261	43	5368	1.96	ug/L		93
37) methyl tert butyl ether	7.812	73	14568	1.92	ug/L		95
38) trans-1,2-dichloroethene	7.859	96	4845	1.94	ug/L		99
39) di-isopropyl ether	8.493	45	17157	1.85	ug/L	#	37
41) 1,1-dichloroethane	8.493	63	8650	1.79	ug/L		100
42) chloroprene	8.624	53	6545	1.79	ug/L		92
43) acrylonitrile	7.838	53	12072	9.30	ug/L		88
45) ethyl tert-butyl ether	9.012	59	15054	1.85	ug/L		97
46) ethyl acetate	9.343	45	843	1.62	ug/L	#	1
47) 2,2-dichloropropane	9.295	77	6463	1.96	ug/L		94
48) cis-1,2-dichloroethene	9.306	96	5016	1.84	ug/L		96
49) propionitrile	9.395	54	9425	18.34	ug/L		91
50) bromochloromethane	9.641	128	2504	1.77	ug/L		91
51) tetrahydrofuran	9.704	42	2695	2.01	ug/L		91
52) chloroform	9.710	83	8426	1.87	ug/L		99
53) t-butyl formate	9.746	59	3994	1.75	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119189.D
Acq On : 5 Jun 2014 5:45 pm
Operator : toanp
Sample : ic5480-2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 10:36:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57) methacrylonitrile	9.594	41	3857	1.85	ug/L		90
58) 1,1,1-trichloroethane	9.972	97	6608	1.90	ug/L		85
59) Cyclohexane	10.045	84	6380	1.85	ug/L		99
63) epichlorohydrin	12.100	57	3379	9.62	ug/L		92
64) n-butyl alcohol	11.020	56	9291	93.87	ug/L		96
65) carbon tetrachloride	10.187	117	6124	1.89	ug/L		97
66) 1,1-dichloropropene	10.171	75	6510	1.96	ug/L		96
67) hexane	8.215	57	6357	1.83	ug/L		95
69) iso-octane	10.454	57	14658	2.06	ug/L		80
70) benzene	10.438	78	19496	1.91	ug/L		98
71) tert-amyl methyl ether	10.486	87	3338	1.88	ug/L	#	76
72) heptane	10.638	57	5006	1.79	ug/L		91
73) isopropyl acetate	10.391	43	14029	2.07	ug/L		96
74) 1,2-dichloroethane	10.459	62	6118	1.90	ug/L		95
75) trichloroethene	11.183	95	4668	1.87	ug/L		80
76) 2-nitropropane	11.943	41	2699	2.05	ug/L		79
77) 2-chloroethyl vinyl ether	11.985	63	14939	8.36	ug/L		96
78) methyl methacrylate	11.482	100	1240	1.56	ug/L	#	60
79) 1,2-dichloropropane	11.440	63	5192	1.94	ug/L		94
80) dibromomethane	11.602	93	3160	1.89	ug/L		96
81) methylcyclohexane	11.398	83	7486	1.80	ug/L		99
82) bromodichloromethane	11.739	83	6360	1.86	ug/L		92
83) cis-1,3-dichloropropene	12.190	75	8106	1.91	ug/L		96
85) 4-methyl-2-pentanone	12.289	58	2451	1.80	ug/L	#	80
86) toluene	12.541	92	10898	1.89	ug/L		100
87) 3-methyl-1-butanol	12.331	55	6097	40.96	ug/L		98
88) trans-1,3-dichloropropene	12.740	75	7270	1.85	ug/L		92
89) ethyl methacrylate	12.751	69	6624	1.74	ug/L		96
90) 1,1,2-trichloroethane	12.939	83	3841	1.87	ug/L		89
91) 2-hexanone	13.123	58	2170	1.68	ug/L		93
93) tetrachloroethene	13.107	164	4062	1.87	ug/L		93
94) 1,3-dichloropropane	13.112	76	7325	1.89	ug/L		97
95) butyl acetate	13.201	56	3925	1.61	ug/L		88
96) 3,3-dimethyl-1-butanol	13.280	57	6544	19.72	ug/L		95
97) dibromochloromethane	13.364	129	5367	1.86	ug/L		89
98) 1,2-dibromoethane	13.506	107	4651	1.74	ug/L		99
100) chlorobenzene	13.946	112	12026	1.87	ug/L		84
101) 1,1,1,2-tetrachloroethane	14.004	131	4631	1.85	ug/L		94
102) ethylbenzene	14.004	91	20233	1.90	ug/L		99
103) m,p-xylene	14.103	106	15641	3.76	ug/L		99
104) o-xylene	14.502	106	7947	1.93	ug/L		86
105) styrene	14.512	104	12427	1.79	ug/L		99
106) bromoform	14.753	173	4405	1.79	ug/L		97
108) isopropylbenzene	14.816	105	20284	1.91	ug/L		96
110) cyclohexanone	14.968	55	10901	23.60	ug/L		97
111) bromobenzene	15.194	156	5973	1.97	ug/L		94
112) 1,1,2,2-tetrachloroethane	15.105	83	7705	2.02	ug/L		98
113) trans-1,4-dichloro-2-b...	15.147	88	876	1.67	ug/L	#	73
114) 1,2,3-trichloropropane	15.173	110	1597	1.77	ug/L		89
115) n-propylbenzene	15.204	91	23223	1.94	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119189.D
Acq On : 5 Jun 2014 5:45 pm
Operator : toanp
Sample : ic5480-2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 10:36:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

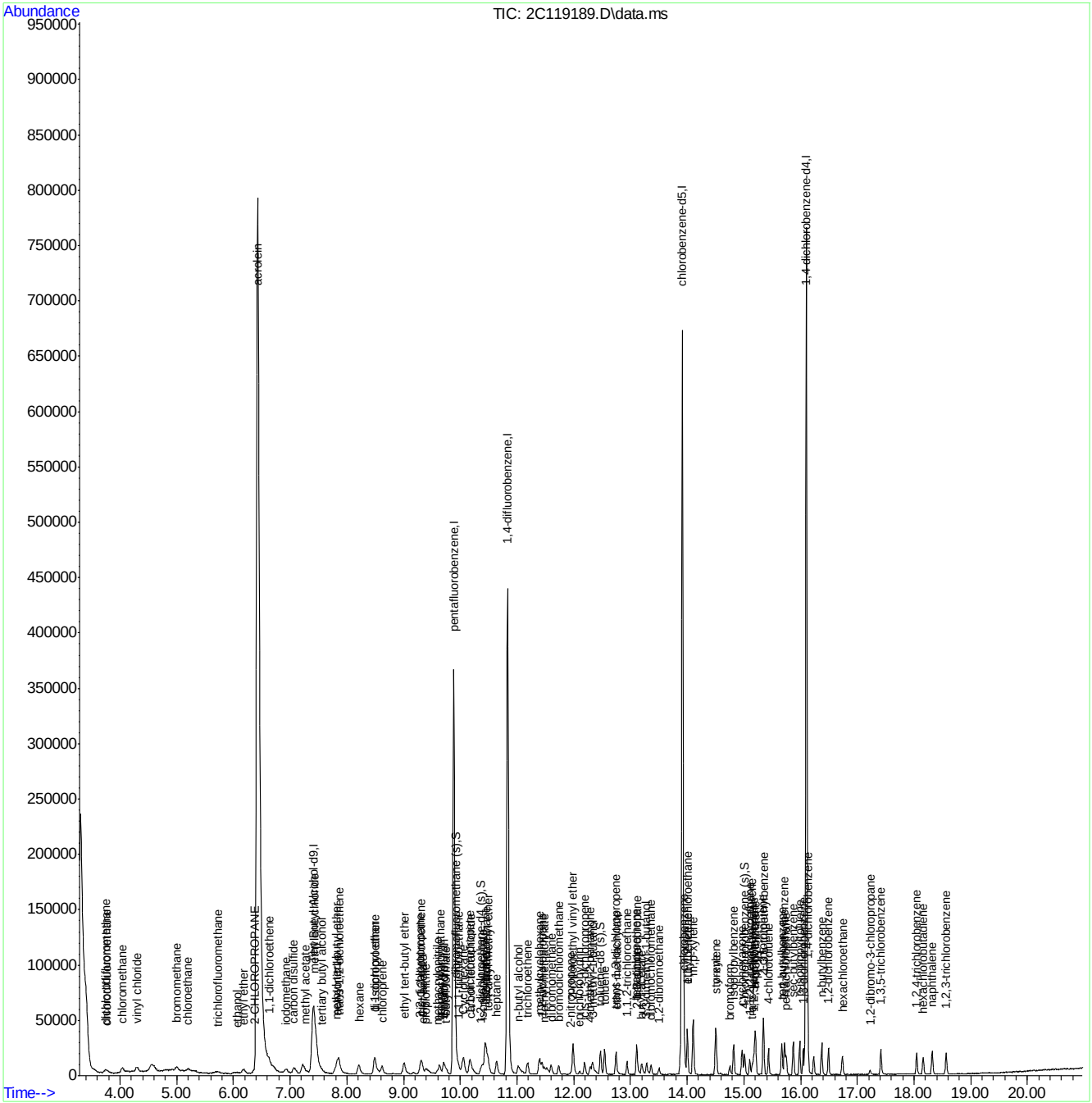
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
116) 2-chlorotoluene	15.341	126	5073	1.90	ug/L	92
117) 4-chlorotoluene	15.435	91	14728	1.89	ug/L	96
118) 1,3,5-trimethylbenzene	15.346	105	16500	1.89	ug/L	97
119) tert-butylbenzene	15.671	119	14720	1.91	ug/L	95
120) pentachloroethane	15.744	167	3757	1.87	ug/L	94
121) 1,2,4-trimethylbenzene	15.713	105	16940	1.97	ug/L	99
122) sec-butylbenzene	15.870	105	22492	1.93	ug/L	97
123) 1,3-dichlorobenzene	16.048	146	11148	1.98	ug/L	93
124) p-isopropyltoluene	15.986	119	18667	1.94	ug/L	97
126) 1,4-dichlorobenzene	16.127	146	11397	2.04	ug/L	96
127) 1,2-dichlorobenzene	16.494	146	11053	1.98	ug/L	98
128) n-butylbenzene	16.373	92	9591	1.92	ug/L	88
129) 1,2-dibromo-3-chloropr...	17.228	75	1265	1.88	ug/L	86
130) 1,3,5-trichlorobenzene	17.417	180	8757	1.88	ug/L	98
131) 1,2,4-trichlorobenzene	18.046	180	7573	1.75	ug/L	94
132) hexachlorobutadiene	18.161	225	4498	1.91	ug/L	98
133) naphthalene	18.319	128	19427	1.93	ug/L	97
134) 1,2,3-trichlorobenzene	18.565	180	7246	1.82	ug/L	99
135) hexachloroethane	16.741	201	3598	1.77	ug/L	83

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119189.D
Acq On : 5 Jun 2014 5:45 pm
Operator : toanp
Sample : ic5480-2
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 10:36:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119190.D
Acq On : 5 Jun 2014 6:14 pm
Operator : toanp
Sample : ic5480-5
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	186364	500.00	ug/L		-0.01
5) pentafluorobenzene	9.888	168	375826	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	462259	50.00	ug/L		0.00
92) chlorobenzene-d5	13.915	117	391619	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	206768	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.919	113	11949	4.69	ug/L		0.01
Spiked Amount 50.000	Range 79 - 120		Recovery =	9.38%#			
55) 1,2-dichloroethane-d4 (s)	10.360	65	14214	4.78	ug/L		0.01
Spiked Amount 50.000	Range 72 - 123		Recovery =	9.56%#			
84) toluene-d8 (s)	12.467	98	42366	4.77	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery =	9.54%#			
109) 4-bromofluorobenzene (s)	15.010	95	16066	4.81	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery =	9.62%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.555	59	10375	24.03	ug/L		100
3) ethanol	6.045	45	12414	928.16	ug/L	#	21
4) 1,4-dioxane	11.571	88	3278	114.12	ug/L	#	77
11) chlorodifluoromethane	3.748	51	13710	4.78	ug/L		96
12) dichlorodifluoromethane	3.754	85	14862	4.87	ug/L		95
15) chloromethane	4.042	50	20004	4.87	ug/L		98
16) vinyl chloride	4.299	62	18000	4.94	ug/L		95
17) bromomethane	5.001	94	11490	5.03	ug/L		99
18) chloroethane	5.201	64	8152	4.93	ug/L		96
19) trichlorofluoromethane	5.730	101	18398	4.67	ug/L		96
21) ethyl ether	6.176	74	7165	4.66	ug/L		94
22) 2-CHLOROPROPANE	6.370	43	22901	4.91	ug/L	#	96
26) acrolein	6.454	56	36539	46.94	ug/L		97
27) 1,1-dichloroethene	6.637	96	11278	4.84	ug/L		96
28) acetone	6.732	58	1185	4.07	ug/L	#	46
29) allyl chloride	7.219	76	6896	4.60	ug/L		92
30) acetonitrile	7.214	40	19365	56.94	ug/L	#	1
31) iodomethane	6.926	142	22462	4.93	ug/L		98
32) iso-butyl alcohol	10.161	74	968	12.09	ug/L		64
33) carbon disulfide	7.067	76	39685	5.03	ug/L		97
34) methylene chloride	7.434	84	13219	4.92	ug/L		98
35) 1-CHLOROPROPANE	7.466	42	27193	5.11	ug/L	#	83
36) methyl acetate	7.245	43	13497	4.91	ug/L		97
37) methyl tert butyl ether	7.806	73	38636	5.08	ug/L		97
38) trans-1,2-dichloroethene	7.864	96	12638	5.05	ug/L		95
39) di-isopropyl ether	8.488	45	45964	4.95	ug/L	#	40
40) 2-butanone	9.301	72	1609	4.06	ug/L	#	83
41) 1,1-dichloroethane	8.483	63	24055	4.99	ug/L		98
42) chloroprene	8.619	53	17682	4.83	ug/L		97
43) acrylonitrile	7.817	53	31380	24.14	ug/L		97
45) ethyl tert-butyl ether	9.007	59	41421	5.09	ug/L		99
46) ethyl acetate	9.322	45	2638	5.05	ug/L	#	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119190.D
Acq On : 5 Jun 2014 6:14 pm
Operator : toanp
Sample : ic5480-5
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2,2-dichloropropane	9.295	77	16445	4.98	ug/L		95
48)	cis-1,2-dichloroethene	9.306	96	13970	5.11	ug/L		91
49)	propionitrile	9.379	54	25416	49.39	ug/L		91
50)	bromochloromethane	9.631	128	7026	4.96	ug/L		95
51)	tetrahydrofuran	9.694	42	6826	5.09	ug/L		96
52)	chloroform	9.704	83	22248	4.92	ug/L		98
53)	t-butyl formate	9.746	59	10777	4.73	ug/L		95
56)	freon 113	6.621	151	8082	4.20	ug/L		91
57)	methacrylonitrile	9.584	41	9500	4.56	ug/L		97
58)	1,1,1-trichloroethane	9.967	97	17437	5.01	ug/L		95
59)	Cyclohexane	10.040	84	16977	4.92	ug/L	#	78
62)	Di-isobutylene	10.449	57	36197	5.30	ug/L		96
63)	epichlorohydrin	12.100	57	8944	25.48	ug/L		98
64)	n-butyl alcohol	11.005	56	23432	236.90	ug/L		99
65)	carbon tetrachloride	10.187	117	16642	5.14	ug/L		95
66)	1,1-dichloropropene	10.161	75	17437	5.25	ug/L		100
67)	hexane	8.205	57	16555	4.77	ug/L		96
69)	iso-octane	10.449	57	36197	5.10	ug/L		94
70)	benzene	10.433	78	51264	5.02	ug/L		98
71)	tert-amyl methyl ether	10.491	87	9121	5.15	ug/L		97
72)	heptane	10.643	57	12333	4.41	ug/L		96
73)	isopropyl acetate	10.386	43	32805	4.84	ug/L		97
74)	1,2-dichloroethane	10.449	62	16799	5.21	ug/L		97
75)	trichloroethene	11.183	95	12309	4.92	ug/L		97
76)	2-nitropropane	11.948	41	6789	5.16	ug/L		92
77)	2-chloroethyl vinyl ether	11.980	63	41267	23.10	ug/L		98
78)	methyl methacrylate	11.477	100	3749	4.70	ug/L	#	78
79)	1,2-dichloropropane	11.440	63	13723	5.13	ug/L		98
80)	dibromomethane	11.597	93	8547	5.12	ug/L		95
81)	methylcyclohexane	11.398	83	18892	4.53	ug/L		98
82)	bromodichloromethane	11.728	83	17012	4.99	ug/L		99
83)	cis-1,3-dichloropropene	12.190	75	21599	5.08	ug/L		97
85)	4-methyl-2-pentanone	12.289	58	6468	4.75	ug/L		94
86)	toluene	12.541	92	29733	5.16	ug/L		98
87)	3-methyl-1-butanol	12.321	55	15054	101.19	ug/L		99
88)	trans-1,3-dichloropropene	12.735	75	19804	5.05	ug/L		99
89)	ethyl methacrylate	12.740	69	18555	4.89	ug/L		95
90)	1,1,2-trichloroethane	12.939	83	10613	5.17	ug/L		96
91)	2-hexanone	13.118	58	6789	5.25	ug/L		96
93)	tetrachloroethene	13.107	164	11080	5.06	ug/L		93
94)	1,3-dichloropropane	13.107	76	19771	5.06	ug/L		97
95)	butyl acetate	13.191	56	9813	4.20	ug/L		95
96)	3,3-dimethyl-1-butanol	13.280	57	15611	46.71	ug/L		96
97)	dibromochloromethane	13.364	129	14031	4.82	ug/L		99
98)	1,2-dibromoethane	13.506	107	12820	4.77	ug/L		99
100)	chlorobenzene	13.946	112	32585	5.03	ug/L		94
101)	1,1,1,2-tetrachloroethane	14.004	131	12562	4.98	ug/L		97
102)	ethylbenzene	14.004	91	54339	5.06	ug/L		99
103)	m,p-xylene	14.103	106	41374	9.87	ug/L		98
104)	o-xylene	14.497	106	20808	5.03	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119190.D
Acq On : 5 Jun 2014 6:14 pm
Operator : toanp
Sample : ic5480-5
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

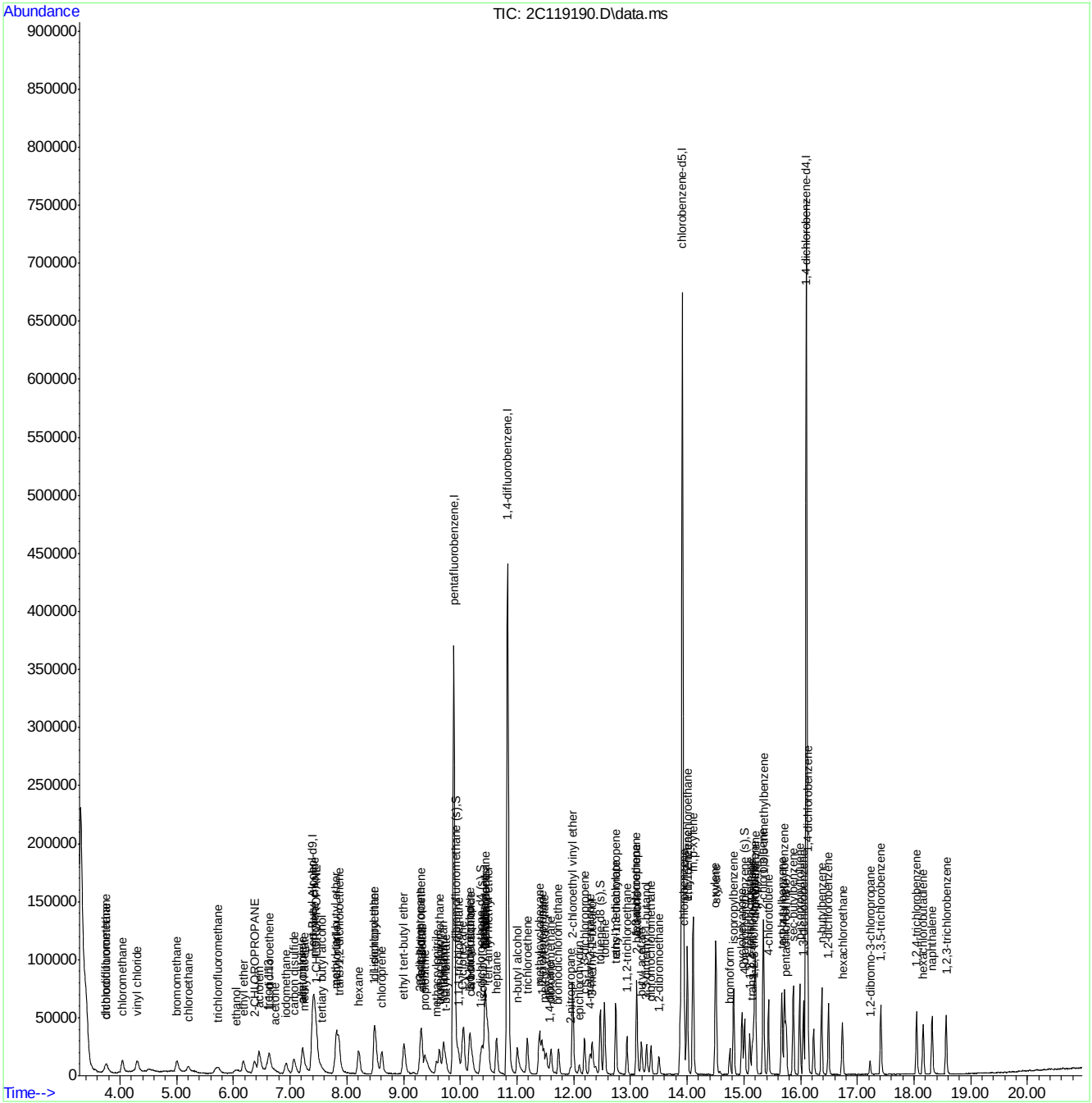
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) styrene	14.507	104	34415	4.92	ug/L		95
106) bromoform	14.753	173	11576	4.67	ug/L		99
108) isopropylbenzene	14.822	105	53561	5.06	ug/L		99
110) cyclohexanone	14.968	55	24871	53.93	ug/L		97
111) bromobenzene	15.194	156	15483	5.10	ug/L		96
112) 1,1,2,2-tetrachloroethane	15.105	83	19345	5.07	ug/L		98
113) trans-1,4-dichloro-2-b...	15.147	88	2379	4.54	ug/L	#	88
114) 1,2,3-trichloropropane	15.173	110	4551	5.06	ug/L		100
115) n-propylbenzene	15.204	91	61006	5.12	ug/L		99
116) 2-chlorotoluene	15.335	126	12940	4.85	ug/L		99
117) 4-chlorotoluene	15.435	91	38854	5.00	ug/L		98
118) 1,3,5-trimethylbenzene	15.346	105	43870	5.04	ug/L		97
119) tert-butylbenzene	15.671	119	38239	4.97	ug/L		98
120) pentachloroethane	15.744	167	10009	4.99	ug/L		95
121) 1,2,4-trimethylbenzene	15.713	105	42660	4.98	ug/L		97
122) sec-butylbenzene	15.870	105	57728	4.97	ug/L		98
123) 1,3-dichlorobenzene	16.048	146	28087	4.98	ug/L		99
124) p-isopropyltoluene	15.986	119	47660	4.95	ug/L		98
126) 1,4-dichlorobenzene	16.122	146	27618	4.96	ug/L		97
127) 1,2-dichlorobenzene	16.489	146	26868	4.81	ug/L		99
128) n-butylbenzene	16.374	92	24771	4.98	ug/L		94
129) 1,2-dibromo-3-chloropr...	17.223	75	3189	4.74	ug/L		87
130) 1,3,5-trichlorobenzene	17.417	180	22520	4.83	ug/L		96
131) 1,2,4-trichlorobenzene	18.046	180	19759	4.56	ug/L		98
132) hexachlorobutadiene	18.161	225	12193	5.18	ug/L		99
133) naphthalene	18.319	128	45485	4.53	ug/L		99
134) 1,2,3-trichlorobenzene	18.570	180	19161	4.81	ug/L		98
135) hexachloroethane	16.741	201	9778	4.83	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119190.D
Acq On : 5 Jun 2014 6:14 pm
Operator : toanp
Sample : ic5480-5
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.397	65	178934	500.00	ug/L		-0.02
5) pentafluorobenzene	9.882	168	360961	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	445892	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	376831	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	202268	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.914	113	26473	10.82	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 21.64%#				
55) 1,2-dichloroethane-d4 (s)	10.354	65	31102	10.90	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 21.80%#				
84) toluene-d8 (s)	12.467	98	96507	11.27	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 22.54%#				
109) 4-bromofluorobenzene (s)	15.010	95	35115	10.76	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 21.52%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.534	59	23421	56.50	ug/L		100
3) ethanol	6.029	45	27233	2120.69	ug/L	#	20
4) 1,4-dioxane	11.571	88	7971	289.01	ug/L	#	80
11) chlorodifluoromethane	3.753	51	34023	12.34	ug/L		98
12) dichlorodifluoromethane	3.738	85	33821	11.54	ug/L		98
15) chloromethane	4.042	50	44223	11.21	ug/L		98
16) vinyl chloride	4.304	62	41093	11.75	ug/L		97
17) bromomethane	5.001	94	24950	11.38	ug/L		96
18) chloroethane	5.190	64	19144	12.06	ug/L		99
19) trichlorofluoromethane	5.730	101	42883	11.32	ug/L		94
21) ethyl ether	6.176	74	15879	10.76	ug/L		91
22) 2-CHLOROPROPANE	6.370	43	50501	11.26	ug/L	#	97
26) acrolein	6.438	56	81275	108.72	ug/L		98
27) 1,1-dichloroethene	6.627	96	25569	11.42	ug/L		95
28) acetone	6.710	58	2701	9.66	ug/L	#	83
29) allyl chloride	7.209	76	16242	11.29	ug/L	#	81
30) acetonitrile	7.193	40	37254	114.05	ug/L	#	32
31) iodomethane	6.925	142	49138	11.23	ug/L		98
32) iso-butyl alcohol	10.160	74	2787	66.62	ug/L		64
33) carbon disulfide	7.067	76	86117	11.37	ug/L		98
34) methylene chloride	7.434	84	28989	11.24	ug/L		99
35) 1-CHLOROPROPANE	7.460	42	62624	12.25	ug/L		98
36) methyl acetate	7.224	43	28276	10.71	ug/L		97
37) methyl tert butyl ether	7.806	73	82645	11.32	ug/L		96
38) trans-1,2-dichloroethene	7.853	96	27272	11.34	ug/L		97
39) di-isopropyl ether	8.488	45	102269	11.46	ug/L	#	51
40) 2-butanone	9.300	72	3885	10.20	ug/L	#	1
41) 1,1-dichloroethane	8.488	63	52036	11.23	ug/L		99
42) chloroprene	8.608	53	41274	11.74	ug/L		98
43) acrylonitrile	7.801	53	69894	55.98	ug/L		97
44) vinyl acetate	8.509	86	4449	9.10	ug/L		56
45) ethyl tert-butyl ether	9.002	59	92488	11.84	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	ethyl acetate	9.316	45	5377	10.72	ug/L	79
47)	2,2-dichloropropane	9.290	77	36011	11.35	ug/L	97
48)	cis-1,2-dichloroethene	9.306	96	29765	11.34	ug/L	98
49)	propionitrile	9.369	54	56052	113.41	ug/L	92
50)	bromochloromethane	9.631	128	15211	11.19	ug/L	94
51)	tetrahydrofuran	9.683	42	14025	10.89	ug/L	98
52)	chloroform	9.699	83	48039	11.07	ug/L	99
53)	t-butyl formate	9.741	59	24852	11.35	ug/L	98
56)	freon 113	6.611	151	20418	11.05	ug/L	98
57)	methacrylonitrile	9.578	41	21432	10.70	ug/L	99
58)	1,1,1-trichloroethane	9.966	97	38500	11.52	ug/L	97
59)	Cyclohexane	10.040	84	35615	10.75	ug/L	90
62)	Di-isobutylene	10.443	57	85966	13.05	ug/L	98
63)	epichlorohydrin	12.090	57	19874	58.70	ug/L	99
64)	n-butyl alcohol	10.999	56	53127	556.83	ug/L	99
65)	carbon tetrachloride	10.181	117	36295	11.63	ug/L	99
66)	1,1-dichloropropene	10.160	75	37436	11.68	ug/L	98
67)	hexane	8.205	57	38927	11.64	ug/L	99
69)	iso-octane	10.443	57	85966	12.55	ug/L	98
70)	benzene	10.433	78	111168	11.29	ug/L	98
71)	tert-amyl methyl ether	10.480	87	20476	11.99	ug/L	90
72)	heptane	10.637	57	31720	11.75	ug/L	98
73)	isopropyl acetate	10.381	43	72630	11.10	ug/L	99
74)	1,2-dichloroethane	10.449	62	36148	11.63	ug/L	97
75)	trichloroethene	11.183	95	27645	11.46	ug/L	95
76)	2-nitropropane	11.938	41	12986	10.24	ug/L	92
77)	2-chloroethyl vinyl ether	11.980	63	96215	55.84	ug/L	98
78)	methyl methacrylate	11.471	100	8297	10.79	ug/L	93
79)	1,2-dichloropropane	11.440	63	30173	11.70	ug/L	99
80)	dibromomethane	11.597	93	18659	11.58	ug/L	93
81)	methylcyclohexane	11.398	83	47023	11.70	ug/L	96
82)	bromodichloromethane	11.733	83	37094	11.27	ug/L	100
83)	cis-1,3-dichloropropene	12.184	75	47387	11.56	ug/L	96
85)	4-methyl-2-pentanone	12.284	58	14344	10.93	ug/L	92
86)	toluene	12.541	92	64951	11.69	ug/L	98
87)	3-methyl-1-butanol	12.320	55	32195	224.36	ug/L	97
88)	trans-1,3-dichloropropene	12.735	75	44136	11.67	ug/L	99
89)	ethyl methacrylate	12.740	69	40495	11.06	ug/L	97
90)	1,1,2-trichloroethane	12.934	83	21904	11.06	ug/L	100
91)	2-hexanone	13.112	58	12913	10.35	ug/L	97
93)	tetrachloroethene	13.107	164	24333	11.54	ug/L	100
94)	1,3-dichloropropane	13.107	76	42886	11.41	ug/L	100
95)	butyl acetate	13.186	56	22990	10.43	ug/L	92
96)	3,3-dimethyl-1-butanol	13.280	57	34598	107.58	ug/L	93
97)	dibromochloromethane	13.364	129	30749	10.98	ug/L	100
98)	1,2-dibromoethane	13.500	107	27890	10.79	ug/L	93
100)	chlorobenzene	13.946	112	70126	11.26	ug/L	99
101)	1,1,1,2-tetrachloroethane	14.004	131	26873	11.08	ug/L	99
102)	ethylbenzene	13.998	91	118889	11.51	ug/L	99
103)	m,p-xylene	14.103	106	91551	22.69	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

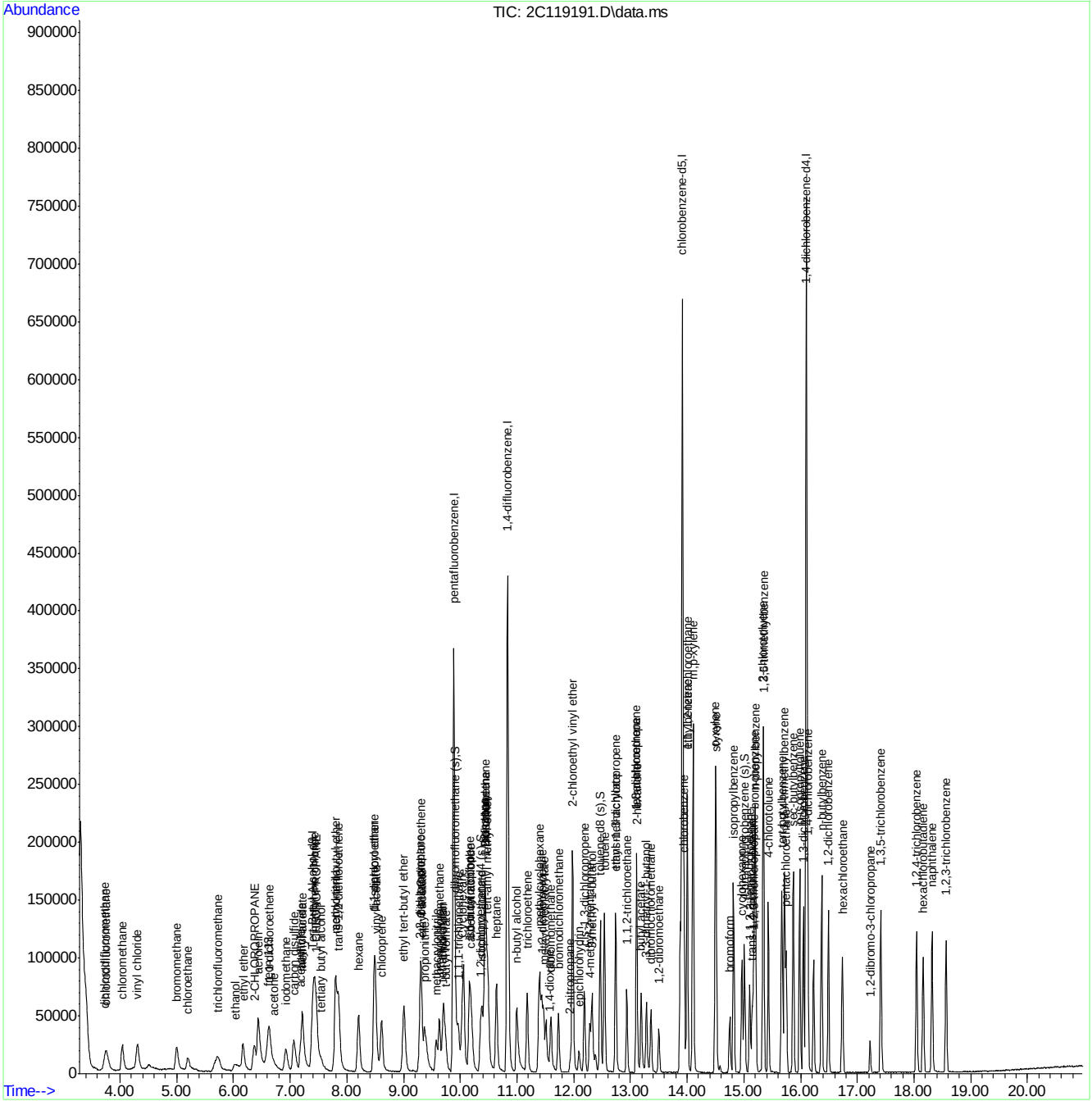
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) o-xylene	14.496	106	45380	11.40	ug/L		96
105) styrene	14.507	104	77132	11.45	ug/L		97
106) bromoform	14.753	173	25115	10.52	ug/L		99
108) isopropylbenzene	14.816	105	118286	11.43	ug/L		98
110) cyclohexanone	14.963	55	46109	102.20	ug/L		98
111) bromobenzene	15.188	156	33932	11.43	ug/L		94
112) 1,1,2,2-tetrachloroethane	15.105	83	41040	11.00	ug/L		99
113) trans-1,4-dichloro-2-b...	15.146	88	5072	9.89	ug/L	#	87
114) 1,2,3-trichloropropane	15.167	110	9679	10.99	ug/L		94
115) n-propylbenzene	15.204	91	135697	11.63	ug/L		99
116) 2-chlorotoluene	15.340	126	29062	11.14	ug/L		94
117) 4-chlorotoluene	15.430	91	86394	11.37	ug/L		97
118) 1,3,5-trimethylbenzene	15.346	105	98453	11.56	ug/L		97
119) tert-butylbenzene	15.671	119	84464	11.23	ug/L		98
120) pentachloroethane	15.744	167	22291	11.35	ug/L		96
121) 1,2,4-trimethylbenzene	15.713	105	96142	11.47	ug/L		97
122) sec-butylbenzene	15.870	105	131648	11.59	ug/L		99
123) 1,3-dichlorobenzene	16.048	146	62716	11.38	ug/L		96
124) p-isopropyltoluene	15.985	119	108470	11.53	ug/L		100
126) 1,4-dichlorobenzene	16.127	146	61027	11.19	ug/L		96
127) 1,2-dichlorobenzene	16.489	146	59636	10.92	ug/L		99
128) n-butylbenzene	16.373	92	55286	11.36	ug/L		96
129) 1,2-dibromo-3-chloropr...	17.228	75	6952	10.57	ug/L		96
130) 1,3,5-trichlorobenzene	17.417	180	51837	11.37	ug/L		99
131) 1,2,4-trichlorobenzene	18.046	180	46370	10.95	ug/L		94
132) hexachlorobutadiene	18.161	225	26653	11.58	ug/L		98
133) naphthalene	18.319	128	103819	10.56	ug/L		99
134) 1,2,3-trichlorobenzene	18.565	180	42933	11.02	ug/L		97
135) hexachloroethane	16.740	201	21612	10.91	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	177239	500.00	ug/L		-0.01
5) pentafluorobenzene	9.883	168	369253	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	460043	50.00	ug/L		0.00
92) chlorobenzene-d5	13.915	117	382076	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	204396	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.914	113	126326	50.49	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.98%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	147249	50.44	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 100.88%				
84) toluene-d8 (s)	12.467	98	452630	51.22	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 102.44%				
109) 4-bromofluorobenzene (s)	15.010	95	165041	50.03	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.06%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.544	59	42327	103.08	ug/L		100
3) ethanol	6.019	45	49888	3922.03	ug/L	#	29
4) 1,4-dioxane	11.576	88	14240	521.26	ug/L		92
11) chlorodifluoromethane	3.754	51	60482	21.45	ug/L		99
12) dichlorodifluoromethane	3.738	85	61332	20.46	ug/L		97
15) chloromethane	4.047	50	83511	20.70	ug/L		98
16) vinyl chloride	4.309	62	77377	21.62	ug/L		99
17) bromomethane	5.001	94	47688	21.26	ug/L		94
18) chloroethane	5.195	64	36422	22.43	ug/L		95
19) trichlorofluoromethane	5.725	101	80366	20.75	ug/L		97
21) ethyl ether	6.171	74	31073	20.58	ug/L		95
22) 2-CHLOROPROPANE	6.370	43	87812	19.14	ug/L	#	93
26) acrolein	6.433	56	153905	201.25	ug/L		99
27) 1,1-dichloroethene	6.632	96	47109	20.57	ug/L		98
28) acetone	6.700	58	5739	20.06	ug/L		86
29) allyl chloride	7.214	76	30047	20.41	ug/L	#	80
30) acetonitrile	7.182	40	67476	201.93	ug/L		77
31) iodomethane	6.931	142	92208	20.60	ug/L		97
32) iso-butyl alcohol	10.161	74	7522	200.67	ug/L		92
33) carbon disulfide	7.067	76	162020	20.91	ug/L		99
34) methylene chloride	7.429	84	54924	20.82	ug/L		98
35) 1-CHLOROPROPANE	7.460	42	106520	20.37	ug/L		99
36) methyl acetate	7.219	43	56644	20.98	ug/L		96
37) methyl tert butyl ether	7.812	73	159925	21.41	ug/L		98
38) trans-1,2-dichloroethene	7.854	96	51291	20.84	ug/L		96
39) di-isopropyl ether	8.493	45	196123	21.48	ug/L		86
40) 2-butanone	9.285	72	7854	20.15	ug/L	#	63
41) 1,1-dichloroethane	8.483	63	100139	21.13	ug/L		98
42) chloroprene	8.614	53	77554	21.57	ug/L		96
43) acrylonitrile	7.791	53	136851	107.15	ug/L		99
44) vinyl acetate	8.498	86	9895	19.78	ug/L		92
45) ethyl tert-butyl ether	9.007	59	174411	21.83	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) ethyl acetate	9.311	45	11260	21.94	ug/L	89
47) 2,2-dichloropropane	9.290	77	66567	20.50	ug/L	96
48) cis-1,2-dichloroethene	9.301	96	57566	21.45	ug/L	99
49) propionitrile	9.364	54	107359	212.35	ug/L	95
50) bromochloromethane	9.631	128	29881	21.48	ug/L	96
51) tetrahydrofuran	9.683	42	25087	19.04	ug/L	95
52) chloroform	9.699	83	91549	20.62	ug/L	98
53) t-butyl formate	9.736	59	48775	21.78	ug/L	99
56) freon 113	6.606	151	37178	19.67	ug/L	97
57) methacrylonitrile	9.573	41	41916	20.46	ug/L	97
58) 1,1,1-trichloroethane	9.961	97	71907	21.04	ug/L	97
59) Cyclohexane	10.040	84	70585	20.82	ug/L	90
62) Di-isobutylene	10.449	57	153667	22.62	ug/L	97
63) epichlorohydrin	12.090	57	36914	105.68	ug/L	98
64) n-butyl alcohol	10.989	56	100247	1018.37	ug/L	98
65) carbon tetrachloride	10.182	117	68828	21.37	ug/L	99
66) 1,1-dichloropropene	10.161	75	71043	21.49	ug/L	98
67) hexane	8.210	57	72344	20.96	ug/L	97
69) iso-octane	10.449	57	153667	21.74	ug/L	98
70) benzene	10.428	78	208680	20.54	ug/L	100
71) tert-amyl methyl ether	10.486	87	38084	21.61	ug/L	97
72) heptane	10.638	57	59432	21.34	ug/L	99
73) isopropyl acetate	10.381	43	135456	20.07	ug/L	99
74) 1,2-dichloroethane	10.449	62	70637	22.03	ug/L	99
75) trichloroethene	11.178	95	52204	20.98	ug/L	97
76) 2-nitropropane	11.938	41	25781	19.71	ug/L	96
77) 2-chloroethyl vinyl ether	11.975	63	192393	108.23	ug/L	98
78) methyl methacrylate	11.466	100	16580	20.91	ug/L	91
79) 1,2-dichloropropane	11.435	63	56716	21.31	ug/L	94
80) dibromomethane	11.592	93	36064	21.69	ug/L	97
81) methylcyclohexane	11.398	83	87856	21.18	ug/L	97
82) bromodichloromethane	11.728	83	71791	21.14	ug/L	100
83) cis-1,3-dichloropropene	12.184	75	92493	21.87	ug/L	99
85) 4-methyl-2-pentanone	12.284	58	27836	20.55	ug/L	97
86) toluene	12.536	92	123966	21.63	ug/L	99
87) 3-methyl-1-butanol	12.315	55	59400	401.21	ug/L	98
88) trans-1,3-dichloropropene	12.735	75	85049	21.79	ug/L	99
89) ethyl methacrylate	12.740	69	78740	20.84	ug/L	98
90) 1,1,2-trichloroethane	12.934	83	43801	21.44	ug/L	98
91) 2-hexanone	13.112	58	25913	20.13	ug/L	90
93) tetrachloroethene	13.102	164	45424	21.25	ug/L	98
94) 1,3-dichloropropane	13.107	76	82681	21.70	ug/L	98
95) butyl acetate	13.186	56	43215	19.46	ug/L	99
96) 3,3-dimethyl-1-butanol	13.280	57	66809	204.88	ug/L	98
97) dibromochloromethane	13.364	129	60687	21.37	ug/L	98
98) 1,2-dibromoethane	13.500	107	54461	20.79	ug/L	96
100) chlorobenzene	13.946	112	134938	21.36	ug/L	98
101) 1,1,1,2-tetrachloroethane	14.004	131	51829	21.07	ug/L	97
102) ethylbenzene	13.998	91	229055	21.88	ug/L	99
103) m,p-xylene	14.103	106	174193	42.58	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

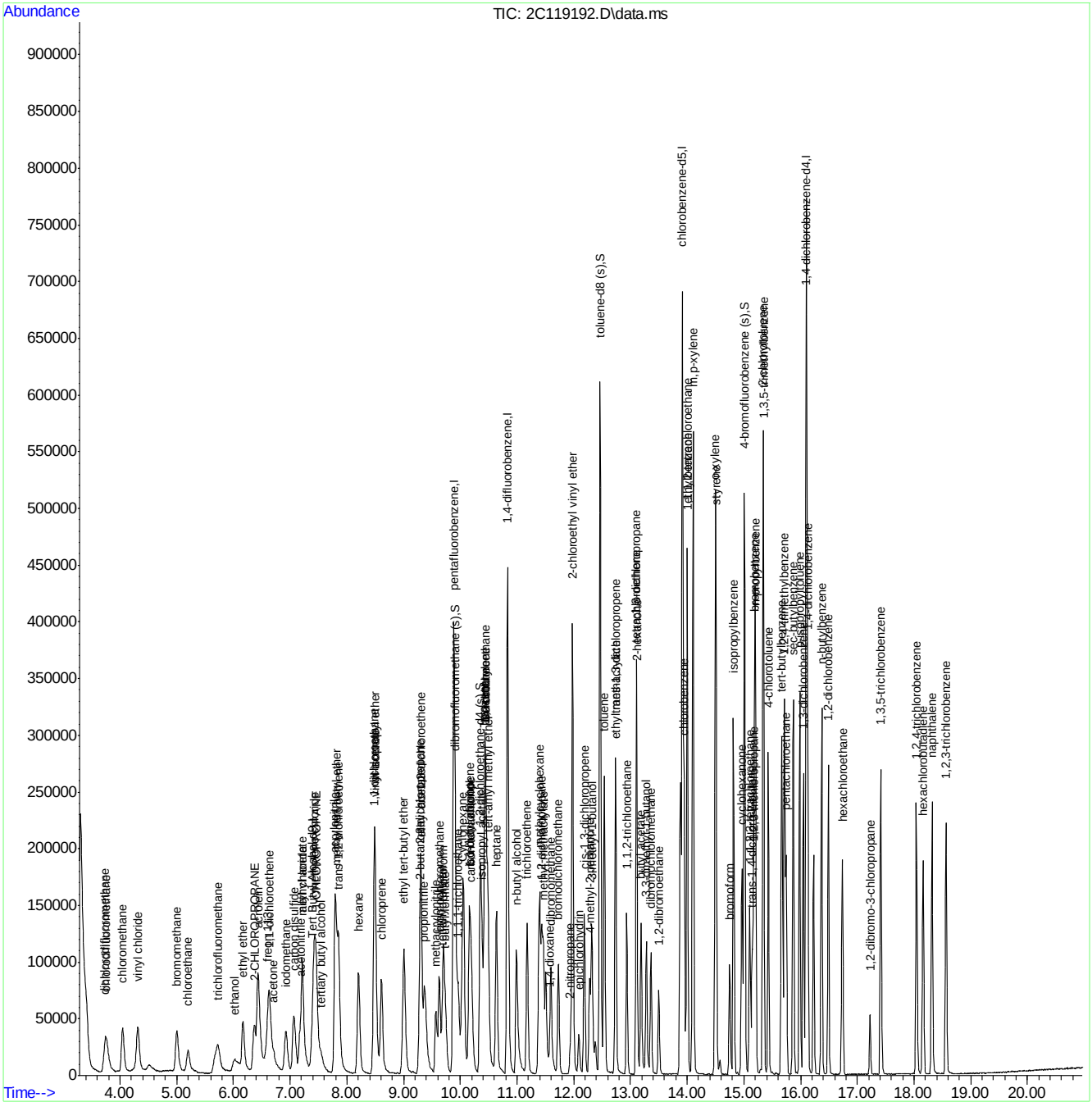
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) o-xylene	14.497	106	87966	21.79	ug/L	100
105) styrene	14.507	104	149900	21.96	ug/L	99
106) bromoform	14.753	173	48974	20.23	ug/L	96
108) isopropylbenzene	14.816	105	226374	21.65	ug/L	99
110) cyclohexanone	14.963	55	87534	192.00	ug/L	99
111) bromobenzene	15.189	156	65634	21.88	ug/L	98
112) 1,1,2,2-tetrachloroethane	15.105	83	78327	20.78	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	10298	19.87	ug/L	98
114) 1,2,3-trichloropropane	15.168	110	17888	20.10	ug/L	89
115) n-propylbenzene	15.204	91	256161	21.73	ug/L	98
116) 2-chlorotoluene	15.341	126	55552	21.07	ug/L	95
117) 4-chlorotoluene	15.430	91	162472	21.16	ug/L	98
118) 1,3,5-trimethylbenzene	15.346	105	184482	21.43	ug/L	98
119) tert-butylbenzene	15.666	119	161624	21.26	ug/L	98
120) pentachloroethane	15.744	167	42131	21.23	ug/L	98
121) 1,2,4-trimethylbenzene	15.713	105	184724	21.81	ug/L	98
122) sec-butylbenzene	15.870	105	246572	21.48	ug/L	99
123) 1,3-dichlorobenzene	16.048	146	117965	21.18	ug/L	97
124) p-isopropyltoluene	15.986	119	205760	21.64	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	116146	21.08	ug/L	98
127) 1,2-dichlorobenzene	16.489	146	116025	21.03	ug/L	99
128) n-butylbenzene	16.374	92	104568	21.26	ug/L	98
129) 1,2-dibromo-3-chloropr...	17.223	75	13841	20.82	ug/L	92
130) 1,3,5-trichlorobenzene	17.417	180	99203	21.53	ug/L	100
131) 1,2,4-trichlorobenzene	18.046	180	89132	20.83	ug/L	98
132) hexachlorobutadiene	18.161	225	50940	21.89	ug/L	99
133) naphthalene	18.319	128	204239	20.57	ug/L	99
134) 1,2,3-trichlorobenzene	18.565	180	84826	21.55	ug/L	98
135) hexachloroethane	16.741	201	41484	20.72	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.402	65	173544	500.00	ug/L		-0.01
5) pentafluorobenzene	9.882	168	368445	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	457001	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	378625	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	203400	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.914	113	126891	50.83	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 101.66%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	147210	50.54	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.08%				
84) toluene-d8 (s)	12.462	98	457449	52.11	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 104.22%				
109) 4-bromofluorobenzene (s)	15.010	95	165351	50.37	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.74%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.544	59	104130	258.98	ug/L		100
3) ethanol	6.024	45	113383	9103.59	ug/L	#	28
4) 1,4-dioxane	11.571	88	32428	1212.30	ug/L		100
11) chlorodifluoromethane	3.753	51	155033	55.10	ug/L		100
12) dichlorodifluoromethane	3.753	85	158070	52.85	ug/L		100
15) chloromethane	4.057	50	213269	52.97	ug/L		100
16) vinyl chloride	4.320	62	196091	54.91	ug/L		100
17) bromomethane	5.001	94	119141	53.22	ug/L		100
18) chloroethane	5.195	64	89194	55.06	ug/L		100
19) trichlorofluoromethane	5.719	101	205430	53.15	ug/L		100
21) ethyl ether	6.165	74	81434	54.04	ug/L		100
22) 2-CHLOROPROPANE	6.370	43	230415	50.34	ug/L	#	100
26) acrolein	6.427	56	385176	504.78	ug/L		100
27) 1,1-dichloroethene	6.632	96	124260	54.39	ug/L		100
28) acetone	6.684	58	16130	56.51	ug/L		100
29) allyl chloride	7.208	76	76371	52.00	ug/L		100
30) acetonitrile	7.166	40	162281	486.70	ug/L		100
31) iodomethane	6.925	142	241759	54.14	ug/L		100
32) iso-butyl alcohol	10.155	74	19018	531.78	ug/L		100
33) carbon disulfide	7.067	76	429935	55.61	ug/L		100
34) methylene chloride	7.429	84	142849	54.28	ug/L		100
35) 1-CHLOROPROPANE	7.460	42	256015	49.07	ug/L		100
36) methyl acetate	7.203	43	143927	53.43	ug/L		100
37) methyl tert butyl ether	7.806	73	408543	54.81	ug/L		100
38) trans-1,2-dichloroethene	7.853	96	132143	53.81	ug/L		100
39) di-isopropyl ether	8.488	45	486688	53.43	ug/L		100
40) 2-butanone	9.269	72	20775	53.42	ug/L		100
41) 1,1-dichloroethane	8.482	63	260497	55.08	ug/L		100
42) chloroprene	8.608	53	197243	54.99	ug/L		100
43) acrylonitrile	7.785	53	349186	273.99	ug/L		100
44) vinyl acetate	8.493	86	25947	51.98	ug/L		100
45) ethyl tert-butyl ether	9.007	59	441577	55.38	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) ethyl acetate	9.306	45	26168	51.10	ug/L	100
47) 2,2-dichloropropane	9.290	77	170330	52.57	ug/L	100
48) cis-1,2-dichloroethene	9.295	96	148007	55.26	ug/L	100
49) propionitrile	9.358	54	270306	535.82	ug/L	100
50) bromochloromethane	9.631	128	76009	54.76	ug/L	100
51) tetrahydrofuran	9.673	42	64698	49.22	ug/L	100
52) chloroform	9.699	83	235830	53.24	ug/L	100
53) t-butyl formate	9.736	59	119368	53.41	ug/L	100
56) freon 113	6.611	151	98840	52.40	ug/L	100
57) methacrylonitrile	9.563	41	111310	54.45	ug/L	100
58) 1,1,1-trichloroethane	9.961	97	188230	55.19	ug/L	100
59) Cyclohexane	10.040	84	183272	54.19	ug/L	100
62) Di-isobutylene	10.449	57	372621	55.21	ug/L	100
63) epichlorohydrin	12.090	57	92425	266.36	ug/L	100
64) n-butyl alcohol	10.983	56	245314	2508.65	ug/L	100
65) carbon tetrachloride	10.181	117	177254	55.40	ug/L	100
66) 1,1-dichloropropene	10.155	75	184968	56.32	ug/L	100
67) hexane	8.205	57	184396	53.78	ug/L	100
69) iso-octane	10.449	57	372621	53.07	ug/L	100
70) benzene	10.428	78	538748	53.38	ug/L	100
71) tert-amyl methyl ether	10.485	87	93058	53.16	ug/L	100
72) heptane	10.637	57	150461	54.37	ug/L	100
73) isopropyl acetate	10.380	43	346829	51.72	ug/L	100
74) 1,2-dichloroethane	10.443	62	176211	55.32	ug/L	100
75) trichloroethene	11.177	95	135925	55.00	ug/L	100
76) 2-nitropropane	11.938	41	61119	47.03	ug/L	100
77) 2-chloroethyl vinyl ether	11.974	63	487805	276.23	ug/L	100
78) methyl methacrylate	11.466	100	42408	53.83	ug/L	100
79) 1,2-dichloropropane	11.434	63	147855	55.94	ug/L	100
80) dibromomethane	11.592	93	91736	55.54	ug/L	100
81) methylcyclohexane	11.392	83	222262	53.95	ug/L	100
82) bromodichloromethane	11.728	83	188124	55.76	ug/L	100
83) cis-1,3-dichloropropene	12.184	75	238334	56.73	ug/L	100
85) 4-methyl-2-pentanone	12.278	58	72805	54.11	ug/L	100
86) toluene	12.535	92	316977	55.67	ug/L	100
87) 3-methyl-1-butanol	12.315	55	147303	1001.57	ug/L	100
88) trans-1,3-dichloropropene	12.729	75	221050	57.02	ug/L	100
89) ethyl methacrylate	12.735	69	208181	55.47	ug/L	100
90) 1,1,2-trichloroethane	12.934	83	111981	55.17	ug/L	100
91) 2-hexanone	13.107	58	67082	52.47	ug/L	100
93) tetrachloroethene	13.107	164	117550	55.50	ug/L	100
94) 1,3-dichloropropane	13.107	76	211288	55.97	ug/L	100
95) butyl acetate	13.185	56	109906	50.16	ug/L	100
96) 3,3-dimethyl-1-butanol	13.275	57	164848	510.15	ug/L	100
97) dibromochloromethane	13.364	129	159376	56.65	ug/L	100
98) 1,2-dibromoethane	13.500	107	141894	54.65	ug/L	100
100) chlorobenzene	13.946	112	347222	55.46	ug/L	100
101) 1,1,1,2-tetrachloroethane	14.003	131	133643	54.82	ug/L	100
102) ethylbenzene	13.998	91	577338	55.64	ug/L	100
103) m,p-xylene	14.103	106	446136	110.04	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

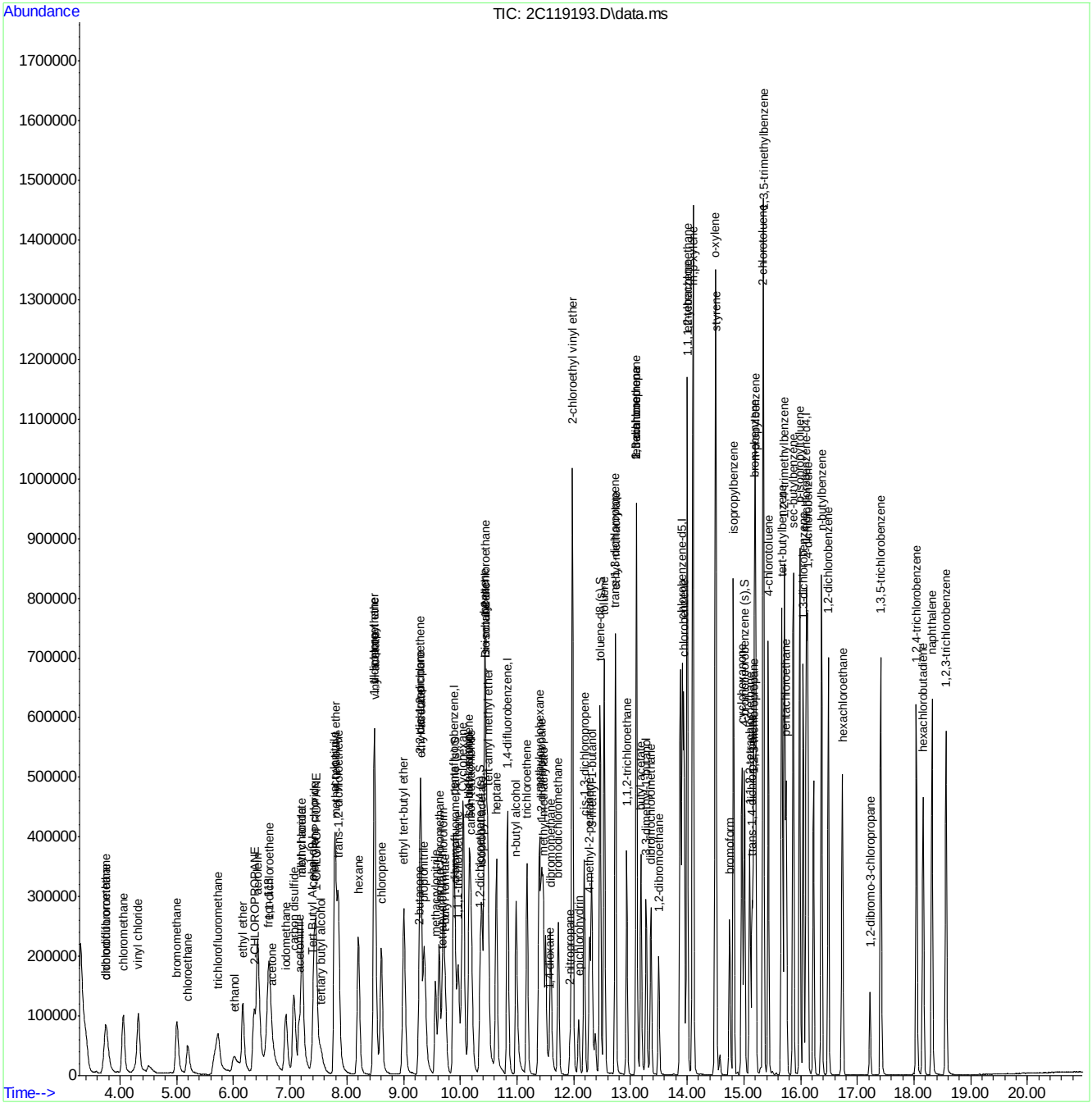
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) o-xylene	14.496	106	226478	56.62	ug/L	100
105) styrene	14.507	104	386935	57.19	ug/L	100
106) bromoform	14.748	173	131484	54.81	ug/L	100
108) isopropylbenzene	14.816	105	580663	55.80	ug/L	100
110) cyclohexanone	14.963	55	238770	526.29	ug/L	100
111) bromobenzene	15.188	156	165729	55.53	ug/L	100
112) 1,1,2,2-tetrachloroethane	15.104	83	201550	53.72	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	27227	52.80	ug/L	100
114) 1,2,3-trichloropropane	15.167	110	45849	51.78	ug/L	100
115) n-propylbenzene	15.204	91	647003	55.15	ug/L	100
116) 2-chlorotoluene	15.340	126	144433	55.06	ug/L	100
117) 4-chlorotoluene	15.430	91	414388	54.23	ug/L	100
118) 1,3,5-trimethylbenzene	15.346	105	470486	54.91	ug/L	100
119) tert-butylbenzene	15.671	119	419602	55.46	ug/L	100
120) pentachloroethane	15.744	167	108358	54.87	ug/L	100
121) 1,2,4-trimethylbenzene	15.713	105	465005	55.18	ug/L	100
122) sec-butylbenzene	15.870	105	631399	55.28	ug/L	100
123) 1,3-dichlorobenzene	16.043	146	301822	54.46	ug/L	100
124) p-isopropyltoluene	15.985	119	539150	56.98	ug/L	100
126) 1,4-dichlorobenzene	16.122	146	298599	54.47	ug/L	100
127) 1,2-dichlorobenzene	16.489	146	297294	54.15	ug/L	100
128) n-butylbenzene	16.368	92	274118	56.01	ug/L	100
129) 1,2-dibromo-3-chloropr...	17.223	75	34973	52.86	ug/L	100
130) 1,3,5-trichlorobenzene	17.417	180	257167	56.07	ug/L	100
131) 1,2,4-trichlorobenzene	18.046	180	234109	54.97	ug/L	100
132) hexachlorobutadiene	18.161	225	127947	55.26	ug/L	100
133) naphthalene	18.318	128	535158	54.16	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	221469	56.55	ug/L	100
135) hexachloroethane	16.740	201	111607	56.02	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
06/09/14 11:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.413	65	193047	500.00	ug/L	0.00
5) pentafluorobenzene	9.883	168	366378	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.837	114	454186	50.00	ug/L	0.00
92) chlorobenzene-d5	13.914	117	370616	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	204523	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	245374	98.85	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 197.70%#			
55) 1,2-dichloroethane-d4 (s)	10.349	65	285190	98.46	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 196.92%#			
84) toluene-d8 (s)	12.462	98	862358	98.83	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 197.66%#			
109) 4-bromofluorobenzene (s)	15.010	95	319207	96.70	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 193.40%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.544	59	224559	502.08	ug/L	100
3) ethanol	6.018	45	264903	19120.44	ug/L #	28
4) 1,4-dioxane	11.566	88	83603	2809.69	ug/L	91
11) chlorodifluoromethane	3.753	51	298976	106.86	ug/L	98
12) dichlorodifluoromethane	3.748	85	289643	97.39	ug/L	99
15) chloromethane	4.063	50	408050	101.93	ug/L	100
16) vinyl chloride	4.330	62	373143	105.09	ug/L	100
17) bromomethane	5.001	94	210190	94.42	ug/L	99
18) chloroethane	5.190	64	165614	102.81	ug/L	98
19) trichlorofluoromethane	5.720	101	392898	102.23	ug/L	95
21) ethyl ether	6.165	74	155970	104.09	ug/L	92
22) 2-CHLOROPROPANE	6.364	43	443748	97.50	ug/L #	96
27) 1,1-dichloroethene	6.627	96	238702	105.07	ug/L	98
28) acetone	6.679	58	31075	109.48	ug/L	95
29) allyl chloride	7.209	76	149678	102.49	ug/L	91
30) acetonitrile	7.161	40	325193	980.80	ug/L	95
31) iodomethane	6.925	142	476291	107.25	ug/L	98
32) iso-butyl alcohol	10.155	74	38158	1088.47	ug/L	72
33) carbon disulfide	7.062	76	823242	107.08	ug/L	98
34) methylene chloride	7.424	84	274762	104.99	ug/L	98
35) 1-CHLOROPROPANE	7.460	42	465815	89.78	ug/L	99
36) methyl acetate	7.203	43	286610	106.99	ug/L	99
37) methyl tert butyl ether	7.806	73	786215	106.08	ug/L	99
38) trans-1,2-dichloroethene	7.848	96	249439	102.15	ug/L	99
39) di-isopropyl ether	8.488	45	923876	102.00	ug/L	94
40) 2-butanone	9.264	72	42233	109.22	ug/L #	84
41) 1,1-dichloroethane	8.483	63	488816	103.94	ug/L	100
42) chloroprene	8.603	53	371324	104.10	ug/L	100
43) acrylonitrile	7.780	53	682670	538.68	ug/L	100
44) vinyl acetate	8.488	86	51865	104.50	ug/L	94
45) ethyl tert-butyl ether	9.002	59	850833	107.32	ug/L	98
46) ethyl acetate	9.301	45	49947	98.09	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2,2-dichloropropane	9.295	77	317679	98.61	ug/L		99
48)	cis-1,2-dichloroethene	9.295	96	282140	105.94	ug/L		100
49)	propionitrile	9.358	54	544349	1085.14	ug/L		93
50)	bromochloromethane	9.626	128	148975	107.93	ug/L		98
51)	tetrahydrofuran	9.673	42	130055	99.51	ug/L		98
52)	chloroform	9.699	83	444379	100.88	ug/L		100
53)	t-butyl formate	9.736	59	233129	104.90	ug/L		99
56)	freon 113	6.606	151	190330	101.48	ug/L		99
57)	methacrylonitrile	9.563	41	220830	108.63	ug/L		99
58)	1,1,1-trichloroethane	9.961	97	358568	105.73	ug/L		99
59)	Cyclohexane	10.045	84	353449	105.09	ug/L	#	77
62)	Di-isobutylene	10.449	57	689861	102.84	ug/L		97
63)	epichlorohydrin	12.090	57	189484	549.46	ug/L		100
64)	n-butyl alcohol	10.984	56	571464	5880.16	ug/L		96
65)	carbon tetrachloride	10.181	117	336172	105.72	ug/L		100
66)	1,1-dichloropropene	10.155	75	347975	106.62	ug/L		99
67)	hexane	8.200	57	351148	103.05	ug/L		98
69)	iso-octane	10.449	57	689861	98.87	ug/L		100
70)	benzene	10.428	78	1009563	100.65	ug/L		99
71)	tert-amyl methyl ether	10.485	87	179771	103.32	ug/L		92
72)	heptane	10.638	57	295864	107.58	ug/L		98
73)	isopropyl acetate	10.381	43	670318	100.58	ug/L		100
74)	1,2-dichloroethane	10.444	62	331711	104.79	ug/L		98
75)	trichloroethene	11.178	95	261998	106.66	ug/L		100
76)	2-nitropropane	11.938	41	120104	93.00	ug/L		95
77)	2-chloroethyl vinyl ether	11.975	63	957712	545.69	ug/L		99
78)	methyl methacrylate	11.461	100	82550	105.43	ug/L		92
79)	1,2-dichloropropane	11.434	63	278829	106.14	ug/L		98
80)	dibromomethane	11.592	93	176490	107.52	ug/L		99
81)	methylcyclohexane	11.398	83	423025	103.32	ug/L		97
82)	bromodichloromethane	11.728	83	365684	109.06	ug/L		100
83)	cis-1,3-dichloropropene	12.184	75	460063	110.18	ug/L		99
85)	4-methyl-2-pentanone	12.279	58	144957	108.40	ug/L		96
86)	toluene	12.536	92	600774	106.16	ug/L		98
87)	3-methyl-1-butanol	12.315	55	317404	2171.53	ug/L		98
88)	trans-1,3-dichloropropene	12.730	75	423646	109.96	ug/L		97
89)	ethyl methacrylate	12.735	69	400612	107.40	ug/L		99
90)	1,1,2-trichloroethane	12.934	83	218098	108.12	ug/L		99
91)	2-hexanone	13.102	58	133659	105.19	ug/L		98
93)	tetrachloroethene	13.102	164	224727	108.40	ug/L		99
94)	1,3-dichloropropane	13.107	76	403928	109.30	ug/L		99
95)	butyl acetate	13.186	56	218753	102.15	ug/L		97
96)	3,3-dimethyl-1-butanol	13.280	57	349826	1105.99	ug/L		97
97)	dibromochloromethane	13.359	129	310957	112.91	ug/L		100
98)	1,2-dibromoethane	13.500	107	277836	109.33	ug/L		96
100)	chlorobenzene	13.946	112	662316	108.08	ug/L		99
101)	1,1,1,2-tetrachloroethane	14.004	131	257847	108.05	ug/L		99
102)	ethylbenzene	13.998	91	1081434	106.47	ug/L		100
103)	m,p-xylene	14.103	106	851859	214.65	ug/L		97
104)	o-xylene	14.496	106	439262	112.19	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

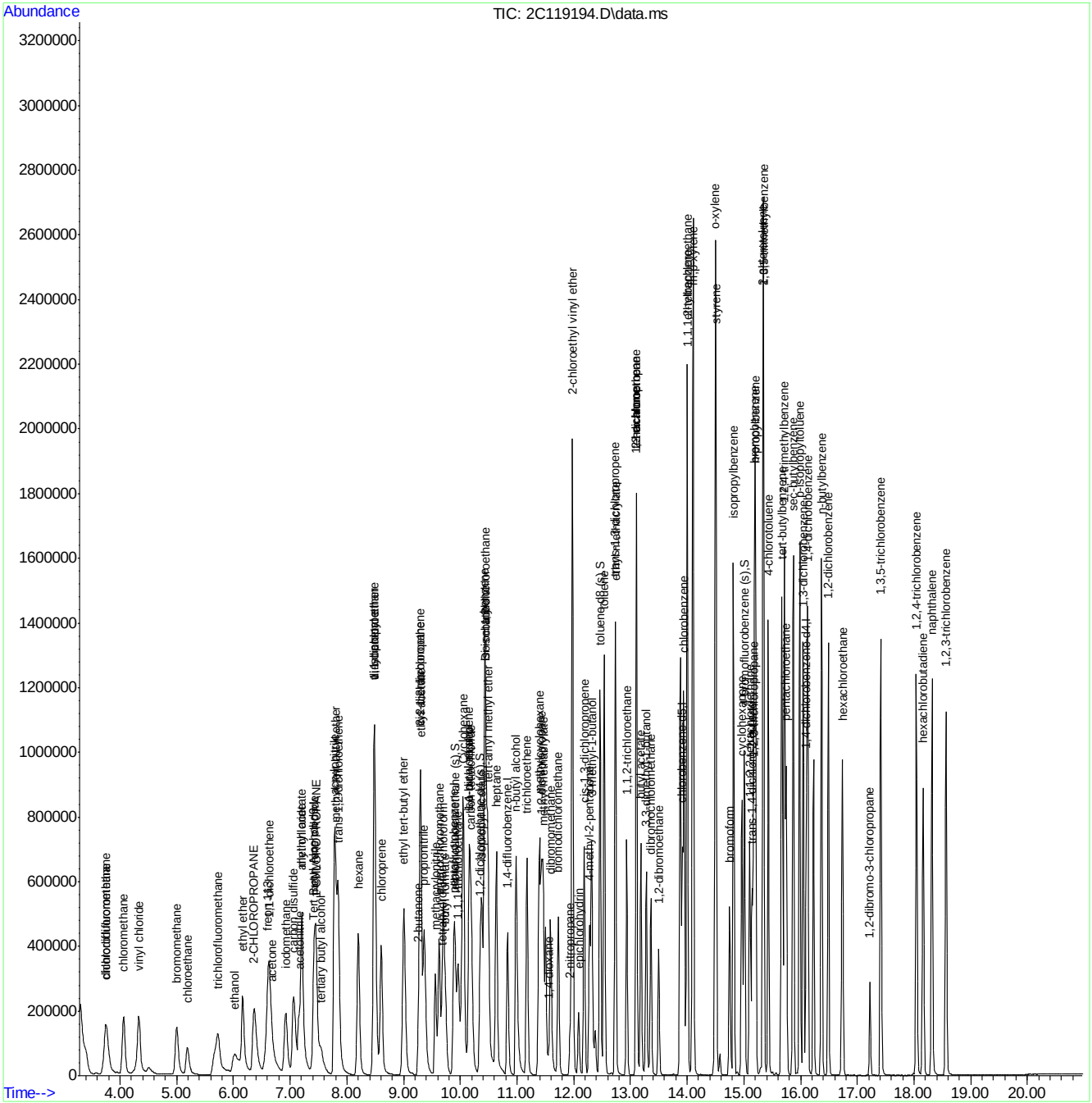
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	731306	110.42	ug/L	99
106) bromoform	14.748	173	263476	112.21	ug/L	98
108) isopropylbenzene	14.816	105	1103424	105.45	ug/L	99
110) cyclohexanone	14.963	55	404569	886.85	ug/L	99
111) bromobenzene	15.188	156	316085	105.32	ug/L	99
112) 1,1,2,2-tetrachloroethane	15.105	83	396550	105.12	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	53708m	103.58	ug/L	
114) 1,2,3-trichloropropane	15.168	110	88960	99.92	ug/L	96
115) n-propylbenzene	15.204	91	1212220	102.77	ug/L	99
116) 2-chlorotoluene	15.341	126	279766	106.07	ug/L	98
117) 4-chlorotoluene	15.430	91	799798	104.09	ug/L	100
118) 1,3,5-trimethylbenzene	15.346	105	897429	104.17	ug/L	98
119) tert-butylbenzene	15.671	119	809047	106.34	ug/L	99
120) pentachloroethane	15.744	167	212366	106.94	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	885872	104.55	ug/L	99
122) sec-butylbenzene	15.870	105	1210302	105.38	ug/L	100
123) 1,3-dichlorobenzene	16.048	146	583513	104.70	ug/L	99
124) p-isopropyltoluene	15.985	119	1033346	108.61	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	581130	105.43	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	575432	104.23	ug/L	100
128) n-butylbenzene	16.368	92	528429	107.38	ug/L	99
129) 1,2-dibromo-3-chloropr...	17.223	75	71508	107.49	ug/L	97
130) 1,3,5-trichlorobenzene	17.417	180	493886	107.10	ug/L	100
131) 1,2,4-trichlorobenzene	18.041	180	460644	107.57	ug/L	99
132) hexachlorobutadiene	18.161	225	242675	104.24	ug/L	99
133) naphthalene	18.319	128	1058666	106.55	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	434576	110.35	ug/L	98
135) hexachloroethane	16.740	201	218278	108.95	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Manual Integration Approval Summary

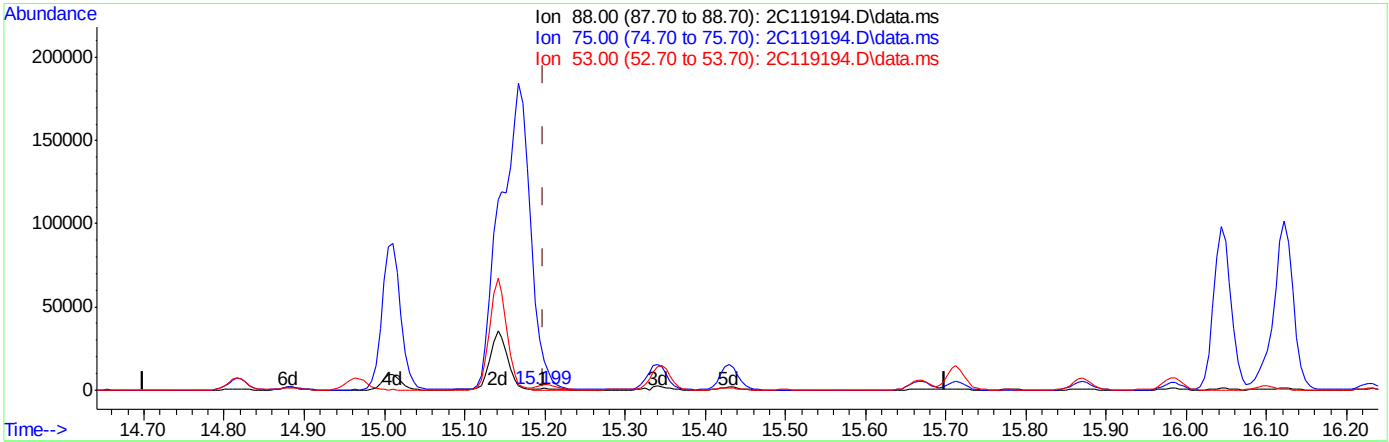
Sample Number:	V2C5480-IC5480	**Method:**	SW846 8260B
Lab FileID:	2C119194.D	**Analyst approved:**	06/06/14 11:06 Robert Szot
Injection Time:	06/05/14 20:09	**Supervisor approved:**	06/09/14 11:43 Jessica Reitan-Chu

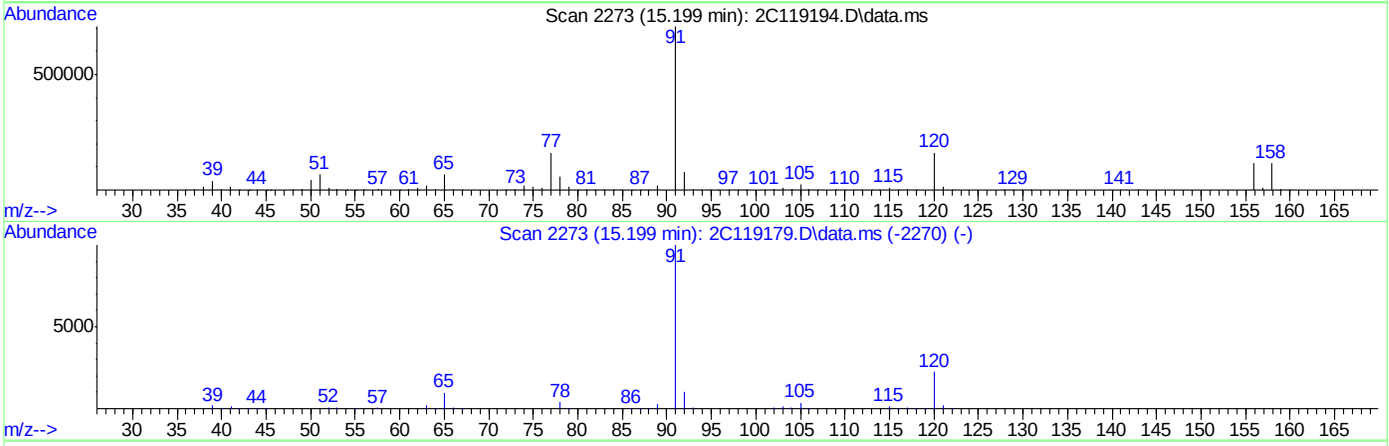
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,4-Dichloro-2-Butene	110-57-6		15.14	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 20:32:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration





TIC: 2C119194.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.199min (-0.000) 4.53ug/L

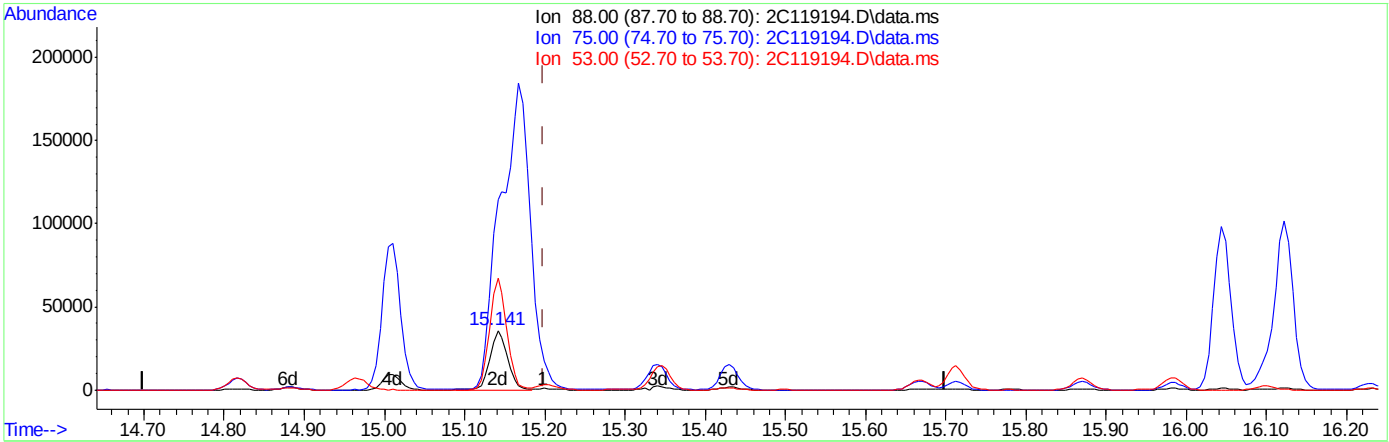
response 1273

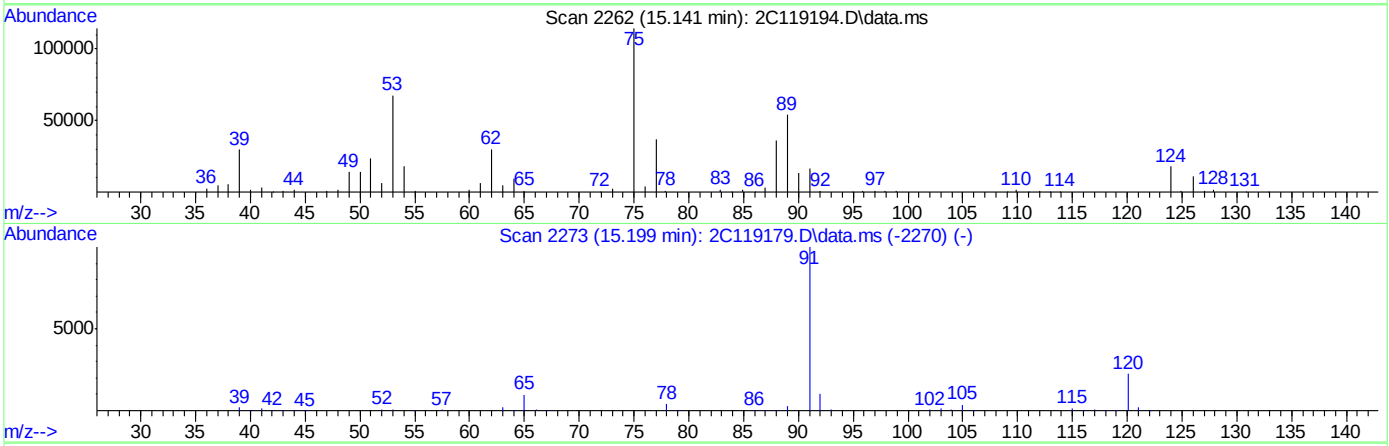
Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	2115.92#
53.00	416.30	400.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 20:32:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration





TIC: 2C119194.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.141min (-0.058) 191.28ug/L m

response 53708

Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	319.46#
53.00	416.30	188.52#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/09/14 11:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.413	65	158549	500.00	ug/L	0.00
5) pentafluorobenzene	9.883	168	376515	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.837	114	467644	50.00	ug/L	0.00
92) chlorobenzene-d5	13.915	117	375806	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	204446	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	496917	194.79	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	389.58%#		
55) 1,2-dichloroethane-d4 (s)	10.349	65	564201	189.54	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery =	379.08%#		
84) toluene-d8 (s)	12.467	98	1716362	191.05	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery =	382.10%#		
109) 4-bromofluorobenzene (s)	15.010	95	635754	192.66	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery =	385.32%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.549	59	366704	998.29	ug/L	100
3) ethanol	6.019	45	305833	26877.88	ug/L #	31
4) 1,4-dioxane	11.571	88	97114	3973.91	ug/L	92
11) chlorodifluoromethane	3.754	51	603111	209.76	ug/L	98
12) dichlorodifluoromethane	3.738	85	600600	196.51	ug/L	99
15) chloromethane	4.073	50	830658	201.90	ug/L	99
16) vinyl chloride	4.346	62	760565	208.42	ug/L	100
17) bromomethane	5.001	94	424117	185.40	ug/L	99
18) chloroethane	5.190	64	339916	205.32	ug/L	98
19) trichlorofluoromethane	5.720	101	799057	202.30	ug/L	95
21) ethyl ether	6.165	74	317599	206.25	ug/L	99
22) 2-CHLOROPROPANE	6.370	43	891318	190.56	ug/L #	97
26) acrolein	6.443	56	898	1.15	ug/L #	1
27) 1,1-dichloroethene	6.632	96	481507	206.24	ug/L	99
28) acetone	6.674	58	57889	198.45	ug/L	93
29) allyl chloride	7.209	76	304008	202.56	ug/L	93
30) acetonitrile	7.151	40	514960	1511.32	ug/L	91
31) iodomethane	6.926	142	959744	210.30	ug/L	99
32) iso-butyl alcohol	10.161	74	69837	1950.37	ug/L	33
33) carbon disulfide	7.067	76	1659315	210.01	ug/L	99
34) methylene chloride	7.429	84	552763	205.54	ug/L	97
35) 1-CHLOROPROPANE	7.455	42	911631	170.98	ug/L	98
36) methyl acetate	7.203	43	548816	199.36	ug/L	98
37) methyl tert butyl ether	7.806	73	1524244	200.12	ug/L	99
38) trans-1,2-dichloroethene	7.848	96	501691	199.92	ug/L	98
39) di-isopropyl ether	8.488	45	1782874	191.53	ug/L	95
40) 2-butanone	9.264	72	79540	200.15	ug/L	95
41) 1,1-dichloroethane	8.477	63	974964	201.73	ug/L	99
42) chloroprene	8.603	53	746351	203.60	ug/L	98
43) acrylonitrile	7.780	53	1288027	989.00	ug/L	99
44) vinyl acetate	8.488	86	103692	203.29	ug/L	79
45) ethyl tert-butyl ether	9.007	59	1650211	202.54	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	ethyl acetate	9.301	45	105723	202.04	ug/L	86
47)	2,2-dichloropropane	9.295	77	623461	188.31	ug/L	97
48)	cis-1,2-dichloroethene	9.295	96	564098	206.12	ug/L	99
49)	propionitrile	9.358	54	981944	1904.76	ug/L	87
50)	bromochloromethane	9.626	128	296162	208.78	ug/L	98
51)	tetrahydrofuran	9.673	42	237350	176.71	ug/L	99
52)	chloroform	9.699	83	889326	196.45	ug/L	99
53)	t-butyl formate	9.736	59	444607	194.67	ug/L	98
56)	freon 113	6.606	151	388867	201.75	ug/L	98
57)	methacrylonitrile	9.558	41	431535	206.57	ug/L	98
58)	1,1,1-trichloroethane	9.961	97	714727	205.08	ug/L	99
59)	Cyclohexane	10.040	84	704208	203.75	ug/L	97
62)	Di-isobutylene	10.449	57	1342013	194.31	ug/L	96
63)	epichlorohydrin	12.085	57	345827	973.97	ug/L	98
64)	n-butyl alcohol	10.984	56	802686	8021.66	ug/L	96
65)	carbon tetrachloride	10.182	117	676532	206.63	ug/L	99
66)	1,1-dichloropropene	10.155	75	703090	209.22	ug/L	99
67)	hexane	8.200	57	710928	202.64	ug/L	98
69)	iso-octane	10.449	57	1342013	186.80	ug/L	99
70)	benzene	10.428	78	2004801	194.12	ug/L	100
71)	tert-amyl methyl ether	10.486	87	352188	196.60	ug/L	93
72)	heptane	10.638	57	612432	216.28	ug/L	98
73)	isopropyl acetate	10.381	43	1272712	185.47	ug/L	99
74)	1,2-dichloroethane	10.444	62	643004	197.28	ug/L	98
75)	trichloroethene	11.178	95	530590	209.79	ug/L	99
76)	2-nitropropane	11.938	41	231304	173.95	ug/L	98
77)	2-chloroethyl vinyl ether	11.975	63	1877489	1038.99	ug/L	98
78)	methyl methacrylate	11.461	100	165386	205.16	ug/L	93
79)	1,2-dichloropropane	11.435	63	554625	205.04	ug/L	99
80)	dibromomethane	11.592	93	354385	209.69	ug/L	99
81)	methylcyclohexane	11.393	83	843849	200.17	ug/L	97
82)	bromodichloromethane	11.728	83	728750	211.09	ug/L	99
83)	cis-1,3-dichloropropene	12.184	75	920366	214.08	ug/L	98
85)	4-methyl-2-pentanone	12.279	58	278463	202.25	ug/L	95
86)	toluene	12.536	92	1201689	206.24	ug/L	97
87)	3-methyl-1-butanol	12.315	55	493731	3280.66	ug/L	97
88)	trans-1,3-dichloropropene	12.730	75	841914	212.23	ug/L	94
89)	ethyl methacrylate	12.735	69	782301	203.70	ug/L	98
90)	1,1,2-trichloroethane	12.934	83	433531	208.74	ug/L	99
91)	2-hexanone	13.102	58	253382	193.68	ug/L	94
93)	tetrachloroethene	13.102	164	451489	214.77	ug/L	98
94)	1,3-dichloropropane	13.107	76	789753	210.76	ug/L	97
95)	butyl acetate	13.186	56	431723	198.94	ug/L	96
96)	3,3-dimethyl-1-butanol	13.275	57	585387	1825.16	ug/L	97
97)	dibromochloromethane	13.359	129	628098	224.92	ug/L	100
98)	1,2-dibromoethane	13.500	107	558100	216.58	ug/L	95
100)	chlorobenzene	13.946	112	1333850	214.66	ug/L	99
101)	1,1,1,2-tetrachloroethane	14.004	131	513892	212.37	ug/L	100
102)	ethylbenzene	13.998	91	2139121	207.70	ug/L	97
103)	m,p-xylene	14.103	106	1704476	423.56	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

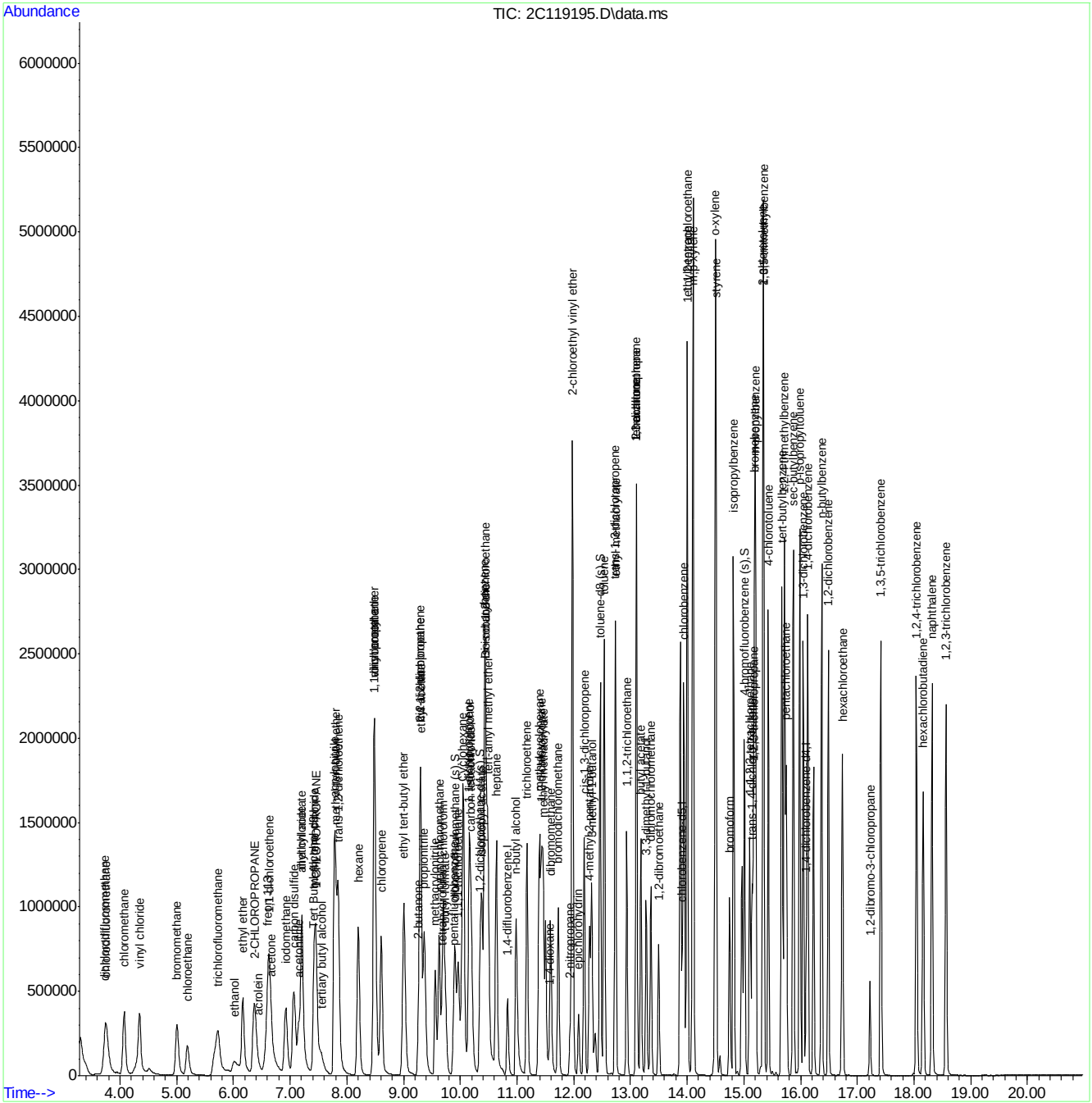
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) o-xylene	14.497	106	872148	219.67	ug/L	91
105) styrene	14.507	104	1431874	213.22	ug/L	99
106) bromoform	14.748	173	522437	219.42	ug/L	96
108) isopropylbenzene	14.816	105	2183840	208.79	ug/L	98
111) bromobenzene	15.189	156	624555	208.19	ug/L	99
112) 1,1,2,2-tetrachloroethane	15.105	83	772751	204.91	ug/L	98
113) trans-1,4-dichloro-2-b...	15.141	88	105541m	203.61	ug/L	
114) 1,2,3-trichloropropane	15.168	110	173632	195.10	ug/L	95
115) n-propylbenzene	15.204	91	2385435	202.30	ug/L	98
116) 2-chlorotoluene	15.341	126	560778	212.69	ug/L	92
117) 4-chlorotoluene	15.430	91	1583544	206.17	ug/L	99
118) 1,3,5-trimethylbenzene	15.346	105	1752857	203.54	ug/L	98
119) tert-butylbenzene	15.671	119	1627662	214.03	ug/L	99
120) pentachloroethane	15.744	167	420458	211.81	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	1726067	203.79	ug/L	99
122) sec-butylbenzene	15.870	105	2380495	207.35	ug/L	99
123) 1,3-dichlorobenzene	16.048	146	1140714	204.76	ug/L	99
124) p-isopropyltoluene	15.986	119	2001844	210.48	ug/L	98
126) 1,4-dichlorobenzene	16.122	146	1136857	206.32	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	1106118	200.43	ug/L	99
128) n-butylbenzene	16.374	92	1013468	206.01	ug/L	96
129) 1,2-dibromo-3-chloropr...	17.223	75	135761	204.16	ug/L	98
130) 1,3,5-trichlorobenzene	17.417	180	957181	207.64	ug/L	98
131) 1,2,4-trichlorobenzene	18.046	180	892612	208.52	ug/L	99
132) hexachlorobutadiene	18.161	225	469296	201.65	ug/L	97
133) naphthalene	18.319	128	2009408	202.30	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	837720	212.80	ug/L	97
135) hexachloroethane	16.741	201	426395	212.91	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2C5480-IC5480
Lab FileID: 2C119195.D
Injection Time: 06/05/14 20:37

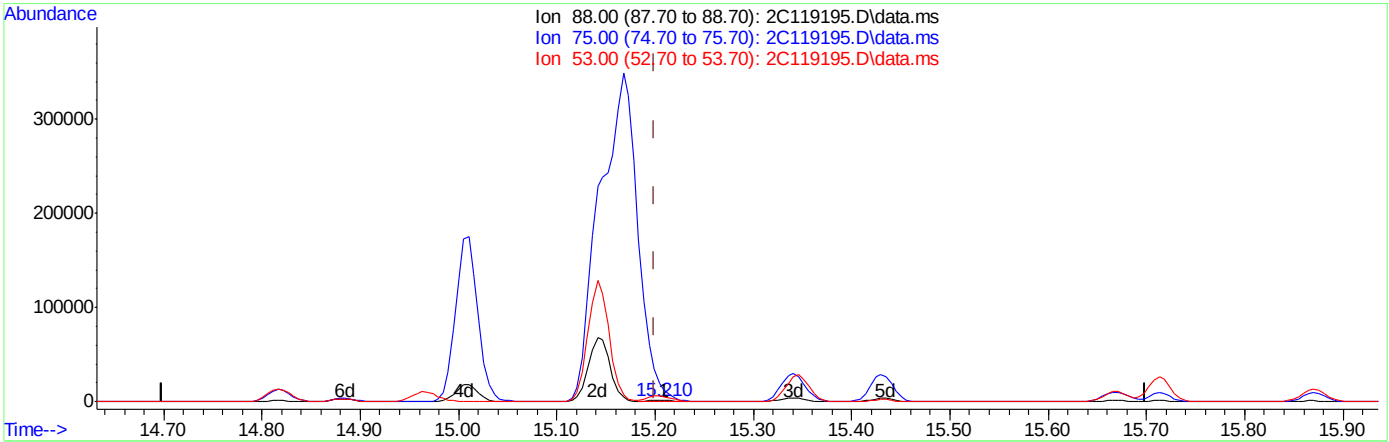
Method: SW846 8260B
Analyst approved: 06/06/14 11:06 Robert Szot
Supervisor approved: 06/09/14 11:43 Jessica Reitan-Chu

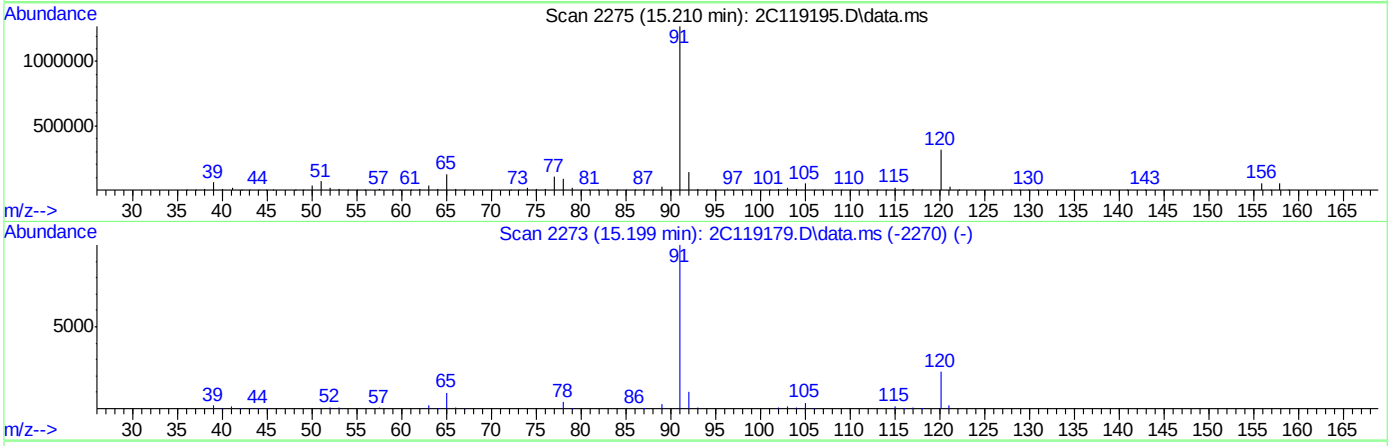
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,4-Dichloro-2-Butene	110-57-6		15.14	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 21:01:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration





TIC: 2C119195.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.210min (+0.011) 7.96ug/L

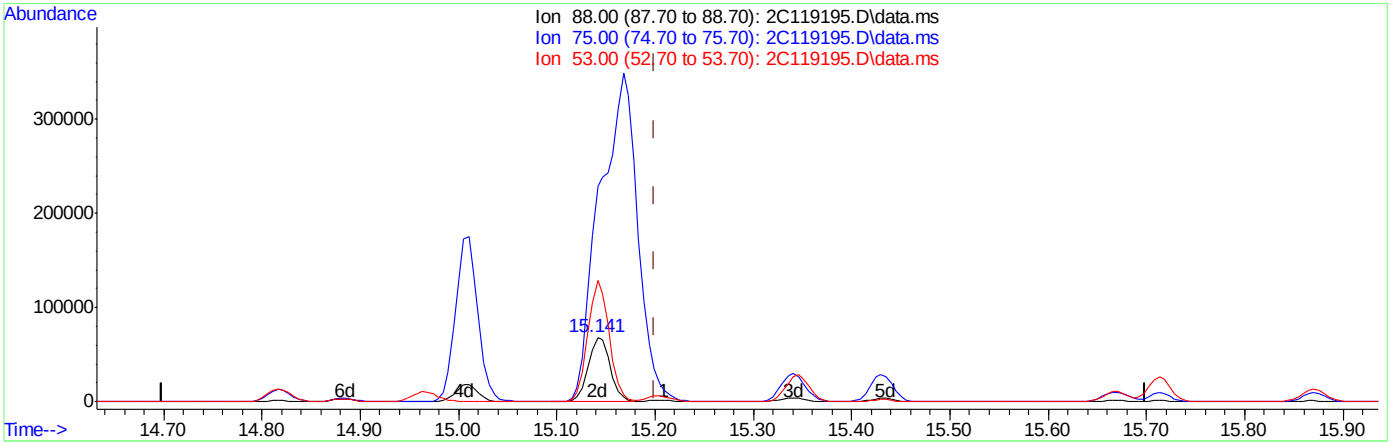
response 2235

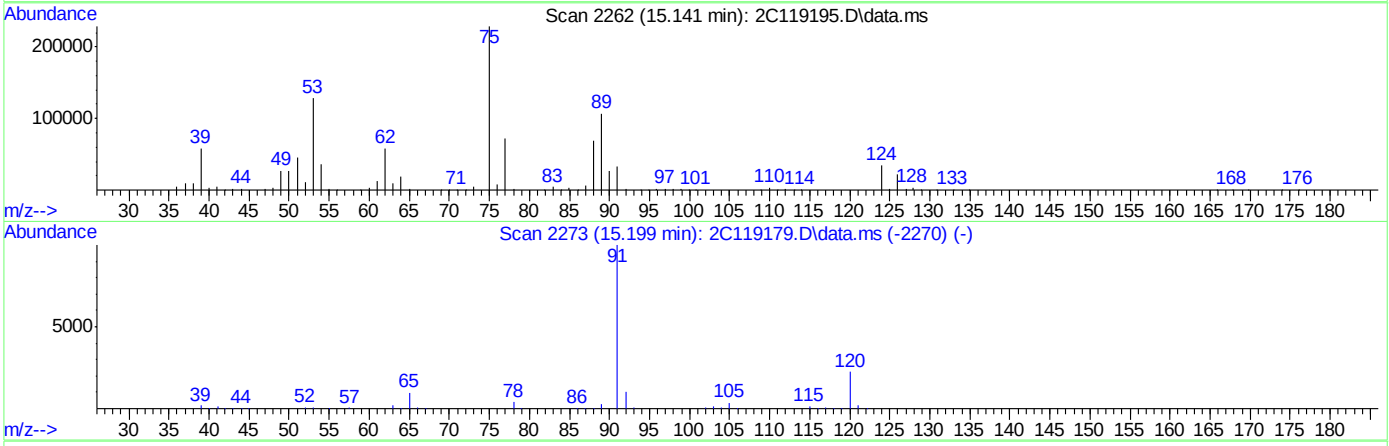
Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	826.93#
53.00	416.30	392.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 21:01:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration





TIC: 2C119195.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.141min (-0.058) 376.02ug/L m

response 105541

Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	334.04#
53.00	416.30	188.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	191453	500.00	ug/L		-0.01
5) pentafluorobenzene	9.883	168	381043	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.832	114	469153	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	402382	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	209501	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.909	113	127618	49.43	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.86%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	147937	49.11	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.22%				
84) toluene-d8 (s)	12.467	98	463896	51.47	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 102.94%				
109) 4-bromofluorobenzene (s)	15.010	95	170093	50.30	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.60%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.539	59	118281	266.66	ug/L		100
3) ethanol	6.018	45	148055	5835.62	ug/L		96
4) 1,4-dioxane	11.566	88	43654	1479.32	ug/L		94
11) chlorodifluoromethane	3.753	51	120013	41.24	ug/L		96
12) dichlorodifluoromethane	3.743	85	153887	49.75	ug/L		99
15) chloromethane	4.052	50	216112	51.89	ug/L		99
16) vinyl chloride	4.320	62	197268	53.42	ug/L		98
17) bromomethane	4.996	94	117028	50.55	ug/L		97
18) chloroethane	5.185	64	91499	54.61	ug/L		98
19) trichlorofluoromethane	5.720	101	208547	52.17	ug/L		95
21) ethyl ether	6.165	74	83862	53.81	ug/L		93
22) 2-CHLOROPROPANE	6.364	43	240662	50.82	ug/L	#	95
26) acrolein	6.427	56	350645	444.24	ug/L		100
27) 1,1-dichloroethene	6.627	96	127355	55.25	ug/L		99
28) acetone	6.684	58	16538	56.02	ug/L		95
29) allyl chloride	7.209	76	91481	58.78	ug/L		97
30) acetonitrile	7.161	40	170619	494.90	ug/L		97
31) iodomethane	6.915	142	248397	52.02	ug/L		99
32) iso-butyl alcohol	10.160	74	19824	536.12	ug/L		97
33) carbon disulfide	7.057	76	450412	56.33	ug/L		99
34) methylene chloride	7.424	84	143490	52.72	ug/L		99
35) 1-CHLOROPROPANE	7.460	42	249872	46.31	ug/L		99
36) methyl acetate	7.203	43	127717	45.77	ug/L		98
37) methyl tert butyl ether	7.801	73	794968	103.13	ug/L		99
38) trans-1,2-dichloroethene	7.848	96	129882	51.14	ug/L		100
39) di-isopropyl ether	8.488	45	484979	51.48	ug/L		95
40) 2-butanone	9.269	72	21453	53.34	ug/L		96
41) 1,1-dichloroethane	8.477	63	263653	56.30	ug/L		99
42) chloroprene	8.603	53	173541	45.02	ug/L		99
43) acrylonitrile	7.785	53	351760	266.89	ug/L		99
44) vinyl acetate	8.493	86	28296	54.82	ug/L		92
45) ethyl tert-butyl ether	9.002	59	432444	52.45	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	ethyl acetate	9.306	45	28994	54.75	ug/L	95
47)	2,2-dichloropropane	9.290	77	165392	49.36	ug/L	99
48)	cis-1,2-dichloroethene	9.295	96	149525	53.99	ug/L	98
49)	propionitrile	9.358	54	284509	545.33	ug/L	99
50)	bromochloromethane	9.626	128	77184	53.77	ug/L	99
51)	tetrahydrofuran	9.673	42	65944	48.51	ug/L	98
52)	chloroform	9.699	83	237167	51.77	ug/L	99
53)	t-butyl formate	9.730	59	123641	53.49	ug/L	99
56)	freon 113	6.600	151	94454	48.42	ug/L	94
57)	methacrylonitrile	9.563	41	109961	52.01	ug/L	98
58)	1,1,1-trichloroethane	9.961	97	191094	54.18	ug/L	97
59)	Cyclohexane	10.040	84	187229	53.53	ug/L	98
63)	epichlorohydrin	12.085	57	101239	284.21	ug/L	98
64)	n-butyl alcohol	10.984	56	300545	2993.84	ug/L	98
65)	carbon tetrachloride	10.181	117	180889	55.07	ug/L	99
66)	1,1-dichloropropene	10.155	75	179877	53.36	ug/L	96
67)	hexane	8.200	57	209342	59.48	ug/L	97
69)	iso-octane	10.449	57	323414	44.87	ug/L	98
70)	benzene	10.428	78	544299	52.53	ug/L	99
71)	tert-amyl methyl ether	10.486	87	92660	51.56	ug/L	92
72)	heptane	10.638	57	131363	46.24	ug/L	99
73)	isopropyl acetate	10.381	43	371661	53.20	ug/L	99
74)	1,2-dichloroethane	10.444	62	176739	54.05	ug/L	99
75)	trichloroethene	11.178	95	138680	54.66	ug/L	99
76)	2-nitropropane	11.938	41	63962	47.95	ug/L	98
77)	2-chloroethyl vinyl ether	11.975	63	495703	273.44	ug/L	100
78)	methyl methacrylate	11.461	100	43559	53.86	ug/L	95
79)	1,2-dichloropropane	11.435	63	149401	55.06	ug/L	100
80)	dibromomethane	11.592	93	91104	53.73	ug/L	97
81)	methylcyclohexane	11.398	83	194063	45.89	ug/L	99
82)	bromodichloromethane	11.728	83	191887	56.17	ug/L	100
83)	cis-1,3-dichloropropene	12.184	75	235831	54.68	ug/L	99
85)	4-methyl-2-pentanone	12.279	58	75564	54.71	ug/L	99
86)	toluene	12.536	92	319288	54.62	ug/L	99
87)	3-methyl-1-butanol	12.315	55	170230	1127.48	ug/L	99
88)	trans-1,3-dichloropropene	12.730	75	212518	53.40	ug/L	99
89)	ethyl methacrylate	12.735	69	206904	53.70	ug/L	100
90)	1,1,2-trichloroethane	12.934	83	113266	54.36	ug/L	99
91)	2-hexanone	13.107	58	70282	53.55	ug/L	95
93)	tetrachloroethene	13.102	164	119774	53.21	ug/L	99
94)	1,3-dichloropropane	13.107	76	213720	53.27	ug/L	99
95)	butyl acetate	13.186	56	113584	51.37	ug/L	100
96)	3,3-dimethyl-1-butanol	13.280	57	180325	525.10	ug/L	97
97)	dibromochloromethane	13.359	129	158739	53.09	ug/L	98
98)	1,2-dibromoethane	13.500	107	142455	51.63	ug/L	97
100)	chlorobenzene	13.946	112	358436	53.88	ug/L	99
101)	1,1,1,2-tetrachloroethane	14.004	131	134459	51.90	ug/L	99
102)	ethylbenzene	13.998	91	582681	52.84	ug/L	99
103)	m,p-xylene	14.103	106	448390	104.07	ug/L	100
104)	o-xylene	14.496	106	230119	54.13	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

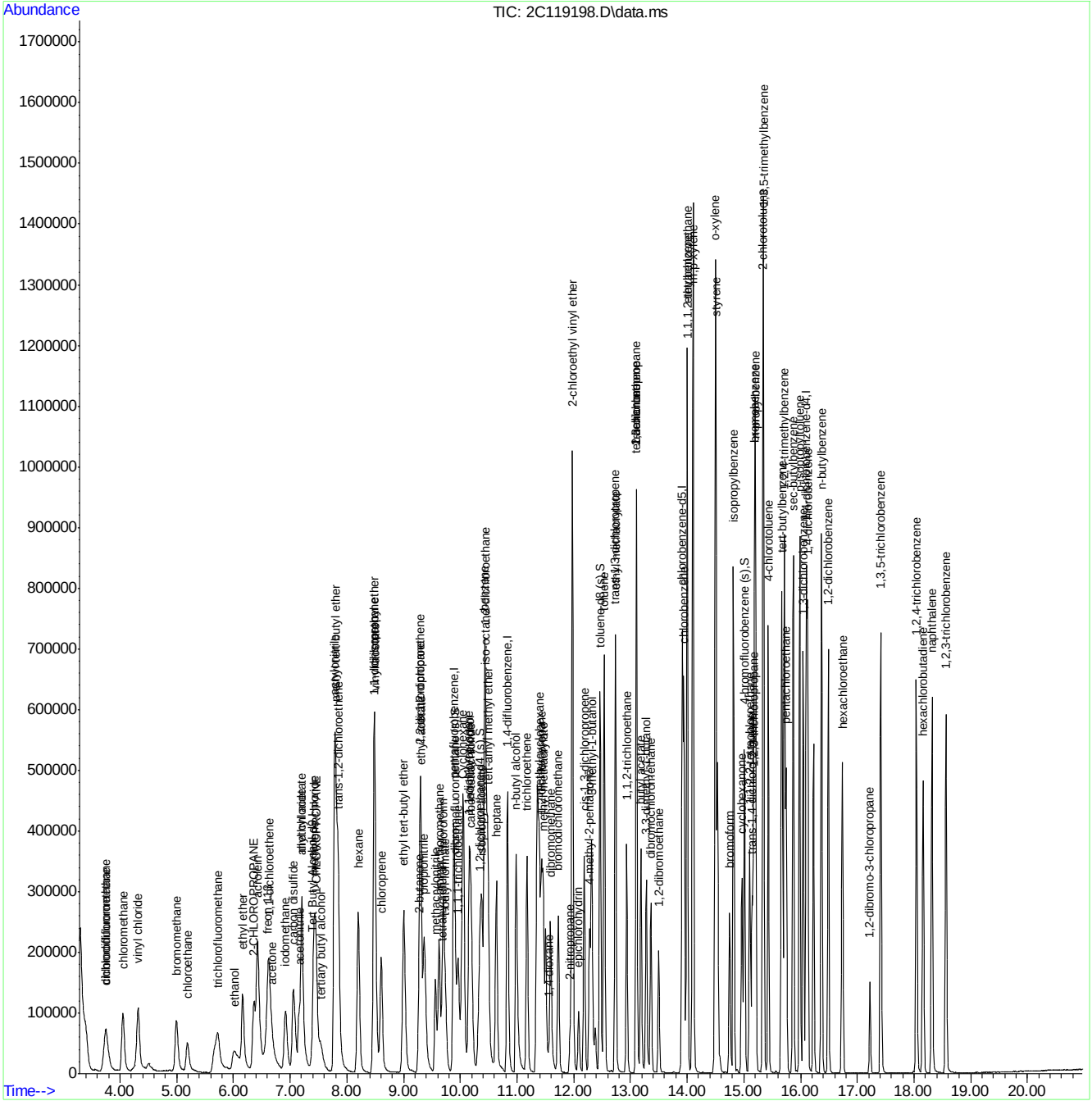
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	391023	54.38	ug/L	100
106) bromoform	14.748	173	132354	51.92	ug/L	98
108) isopropylbenzene	14.816	105	587140	54.78	ug/L	100
110) cyclohexanone	14.963	55	150870	296.14	ug/L	99
111) bromobenzene	15.188	156	168611	54.85	ug/L	97
112) 1,1,2,2-tetrachloroethane	15.105	83	199764	51.69	ug/L	99
113) trans-1,4-dichloro-2-b...	15.141	88	26990	52.00	ug/L	98
114) 1,2,3-trichloropropane	15.168	110	46064	50.51	ug/L	96
115) n-propylbenzene	15.204	91	683058	56.53	ug/L	99
116) 2-chlorotoluene	15.335	126	146434	54.20	ug/L	99
117) 4-chlorotoluene	15.430	91	417864	53.09	ug/L	99
118) 1,3,5-trimethylbenzene	15.346	105	473650	53.67	ug/L	100
119) tert-butylbenzene	15.671	119	428771	55.02	ug/L	100
120) pentachloroethane	15.744	167	109975	54.07	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	495925	57.14	ug/L	99
122) sec-butylbenzene	15.870	105	639363	54.35	ug/L	100
123) 1,3-dichlorobenzene	16.048	146	305862	53.58	ug/L	98
124) p-isopropyltoluene	15.985	119	545546	55.98	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	302373	53.01	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	304038	53.76	ug/L	99
128) n-butylbenzene	16.368	92	285379	56.61	ug/L	99
129) 1,2-dibromo-3-chloropr...	17.223	75	36431	53.46	ug/L	100
130) 1,3,5-trichlorobenzene	17.417	180	268965	56.94	ug/L	100
131) 1,2,4-trichlorobenzene	18.041	180	241176	54.98	ug/L	99
132) hexachlorobutadiene	18.161	225	129683	54.38	ug/L	99
133) naphthalene	18.319	128	539668	53.02	ug/L	99
134) 1,2,3-trichlorobenzene	18.565	180	224262	55.59	ug/L	98
135) hexachloroethane	16.740	201	112293	54.72	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.402	65	201391	500.00	ug/L		-0.01
5) pentafluorobenzene	9.882	168	387807	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.831	114	453463	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	382162	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	206759	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.909	113	128334	48.84	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.68%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	150254	49.01	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.02%				
84) toluene-d8 (s)	12.462	98	472653	54.26	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.52%				
109) 4-bromofluorobenzene (s)	15.010	95	170308	51.03	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.06%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.544	59	49936	107.02	ug/L		100
3) ethanol	6.050	45	59516	2230.08	ug/L		97
4) 1,4-dioxane	11.565	88	20877	672.56	ug/L		91
11) chlorodifluoromethane	3.753	51	50730	17.13	ug/L		99
12) dichlorodifluoromethane	3.743	85	62517	19.86	ug/L		99
15) chloromethane	4.047	50	84150	19.85	ug/L		98
16) vinyl chloride	4.314	62	74950	19.94	ug/L		100
17) bromomethane	4.996	94	48711	20.67	ug/L		98
18) chloroethane	5.200	64	35095	20.58	ug/L		97
19) trichlorofluoromethane	5.719	101	76782	18.87	ug/L		92
21) ethyl ether	6.165	74	31807	20.05	ug/L		92
22) 2-CHLOROPROPANE	6.370	43	91120	18.91	ug/L	#	97
26) acrolein	6.432	56	119453	148.70	ug/L		98
27) 1,1-dichloroethene	6.637	96	46024	19.62	ug/L		95
28) acetone	6.700	58	7977	26.55	ug/L		97
29) allyl chloride	7.208	76	29270	18.48	ug/L	#	66
30) acetonitrile	7.193	40	73655	209.92	ug/L	#	22
31) iodomethane	6.920	142	93700	19.28	ug/L		99
32) iso-butyl alcohol	10.155	74	4587	110.14	ug/L		64
33) carbon disulfide	7.062	76	164959	20.27	ug/L		100
34) methylene chloride	7.429	84	55520	20.04	ug/L		99
35) 1-CHLOROPROPANE	7.460	42	106772	19.44	ug/L		97
36) methyl acetate	7.214	43	54418	19.16	ug/L		98
37) methyl tert butyl ether	7.806	73	164596	20.98	ug/L		99
38) trans-1,2-dichloroethene	7.853	96	51110	19.77	ug/L		98
39) di-isopropyl ether	8.482	45	192104	20.04	ug/L	#	64
40) 2-butanone	9.279	72	9096	22.22	ug/L		91
41) 1,1-dichloroethane	8.482	63	100033	20.99	ug/L		99
42) chloroprene	8.603	53	72103	18.38	ug/L		97
43) acrylonitrile	7.790	53	139962	104.34	ug/L		99
44) vinyl acetate	8.493	86	9327	17.75	ug/L		93
45) ethyl tert-butyl ether	9.002	59	174461	20.79	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) ethyl acetate	9.306	45	11891	22.06	ug/L	82
47) 2,2-dichloropropane	9.295	77	70646	20.72	ug/L	94
48) cis-1,2-dichloroethene	9.300	96	57954	20.56	ug/L	97
49) propionitrile	9.363	54	115450	217.43	ug/L	98
50) bromochloromethane	9.625	128	30299	20.74	ug/L	96
51) tetrahydrofuran	9.683	42	27467	19.85	ug/L	97
52) chloroform	9.699	83	94265	20.22	ug/L	97
53) t-butyl formate	9.736	59	47140	20.04	ug/L	96
56) freon 113	6.611	151	34482	17.37	ug/L	98
57) methacrylonitrile	9.568	41	43464	20.20	ug/L	98
58) 1,1,1-trichloroethane	9.966	97	72251	20.13	ug/L	98
59) Cyclohexane	10.040	84	67484	18.96	ug/L	98
63) epichlorohydrin	12.090	57	39875	115.81	ug/L	95
64) n-butyl alcohol	10.989	56	124210	1280.11	ug/L	98
65) carbon tetrachloride	10.181	117	68427	21.55	ug/L	98
66) 1,1-dichloropropene	10.160	75	68512	21.03	ug/L	98
67) hexane	8.199	57	62559	18.39	ug/L	97
69) iso-octane	10.443	57	148353	21.30	ug/L	97
70) benzene	10.428	78	208322	20.80	ug/L	100
71) tert-amyl methyl ether	10.485	87	39176	22.55	ug/L	89
72) heptane	10.637	57	54848	19.98	ug/L	98
73) isopropyl acetate	10.380	43	138514	20.51	ug/L	99
74) 1,2-dichloroethane	10.449	62	73217	23.17	ug/L	98
75) trichloroethene	11.177	95	51974	21.19	ug/L	99
76) 2-nitropropane	11.938	41	26010	20.17	ug/L	98
77) 2-chloroethyl vinyl ether	11.974	63	190183	108.54	ug/L	99
78) methyl methacrylate	11.466	100	16568	21.19	ug/L	95
79) 1,2-dichloropropane	11.434	63	58475	22.29	ug/L	99
80) dibromomethane	11.592	93	37285	22.75	ug/L	97
81) methylcyclohexane	11.392	83	79961	19.56	ug/L	98
82) bromodichloromethane	11.728	83	75225	22.78	ug/L	100
83) cis-1,3-dichloropropene	12.184	75	96025	23.03	ug/L	97
85) 4-methyl-2-pentanone	12.278	58	29432	22.04	ug/L	98
86) toluene	12.535	92	123821	21.92	ug/L	98
87) 3-methyl-1-butanol	12.315	55	69601	476.94	ug/L	99
88) trans-1,3-dichloropropene	12.735	75	90497	23.53	ug/L	97
89) ethyl methacrylate	12.735	69	80307	21.56	ug/L	98
90) 1,1,2-trichloroethane	12.934	83	44964	22.33	ug/L	98
91) 2-hexanone	13.107	58	27905	22.00	ug/L	99
93) tetrachloroethene	13.107	164	45096	21.09	ug/L	99
94) 1,3-dichloropropane	13.107	76	87190	22.88	ug/L	97
95) butyl acetate	13.185	56	44780	21.32	ug/L	99
96) 3,3-dimethyl-1-butanol	13.275	57	73646	225.80	ug/L	98
97) dibromochloromethane	13.358	129	64265	22.63	ug/L	99
98) 1,2-dibromoethane	13.500	107	56917	21.72	ug/L	98
100) chlorobenzene	13.946	112	141570	22.40	ug/L	98
101) 1,1,1,2-tetrachloroethane	13.998	131	55167	22.42	ug/L	98
102) ethylbenzene	13.998	91	233329	22.28	ug/L	100
103) m,p-xylene	14.103	106	179677	43.91	ug/L	97
104) o-xylene	14.496	106	90474	22.41	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

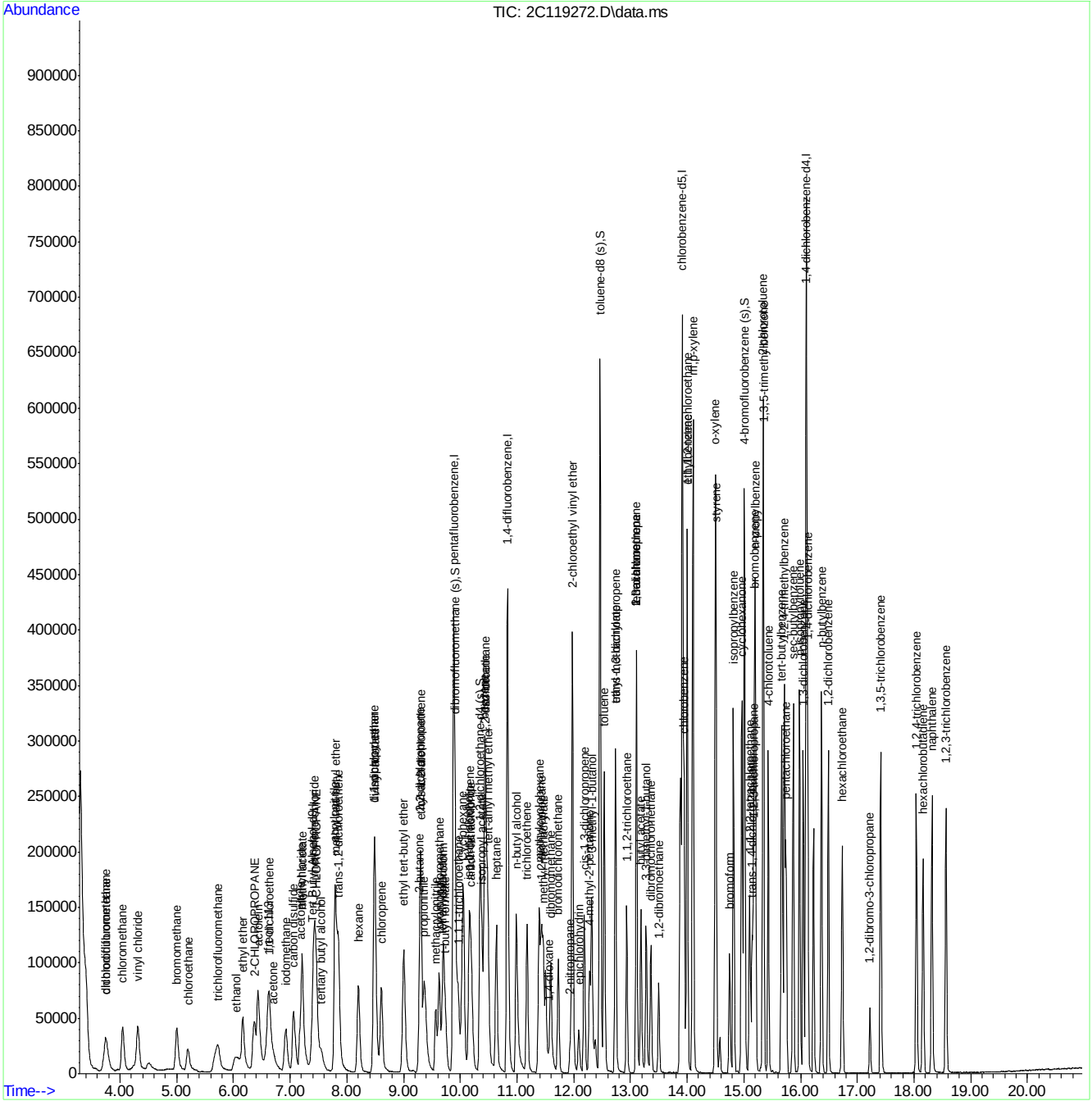
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	154104	22.57	ug/L	100
106) bromoform	14.748	173	53972	22.29	ug/L	99
108) isopropylbenzene	14.816	105	231408	21.88	ug/L	99
110) cyclohexanone	14.963	55	152747	303.80	ug/L	98
111) bromobenzene	15.188	156	68314	22.52	ug/L	99
112) 1,1,2,2-tetrachloroethane	15.104	83	85398	22.39	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	11386	22.23	ug/L	91
114) 1,2,3-trichloropropane	15.167	110	20117	22.35	ug/L	98
115) n-propylbenzene	15.199	91	260080	21.81	ug/L	99
116) 2-chlorotoluene	15.340	126	58423	21.91	ug/L	99
117) 4-chlorotoluene	15.429	91	172704	22.23	ug/L	99
118) 1,3,5-trimethylbenzene	15.346	105	192036	22.05	ug/L	99
119) tert-butylbenzene	15.665	119	165987	21.58	ug/L	97
120) pentachloroethane	15.744	167	44642	22.24	ug/L	97
121) 1,2,4-trimethylbenzene	15.713	105	191922	22.41	ug/L	98
122) sec-butylbenzene	15.870	105	250443	21.57	ug/L	99
123) 1,3-dichlorobenzene	16.043	146	127471	22.62	ug/L	97
124) p-isopropyltoluene	15.985	119	213475	22.19	ug/L	100
126) 1,4-dichlorobenzene	16.122	146	124024	22.03	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	124822	22.36	ug/L	100
128) n-butylbenzene	16.368	92	108228	21.75	ug/L	98
129) 1,2-dibromo-3-chloropr...	17.223	75	14960	22.25	ug/L	96
130) 1,3,5-trichlorobenzene	17.417	180	107021	22.96	ug/L	98
131) 1,2,4-trichlorobenzene	18.041	180	95606	22.08	ug/L	98
132) hexachlorobutadiene	18.161	225	52267	22.21	ug/L	100
133) naphthalene	18.318	128	220411	21.94	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	91263	22.92	ug/L	98
135) hexachloroethane	16.735	201	44013	21.73	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration

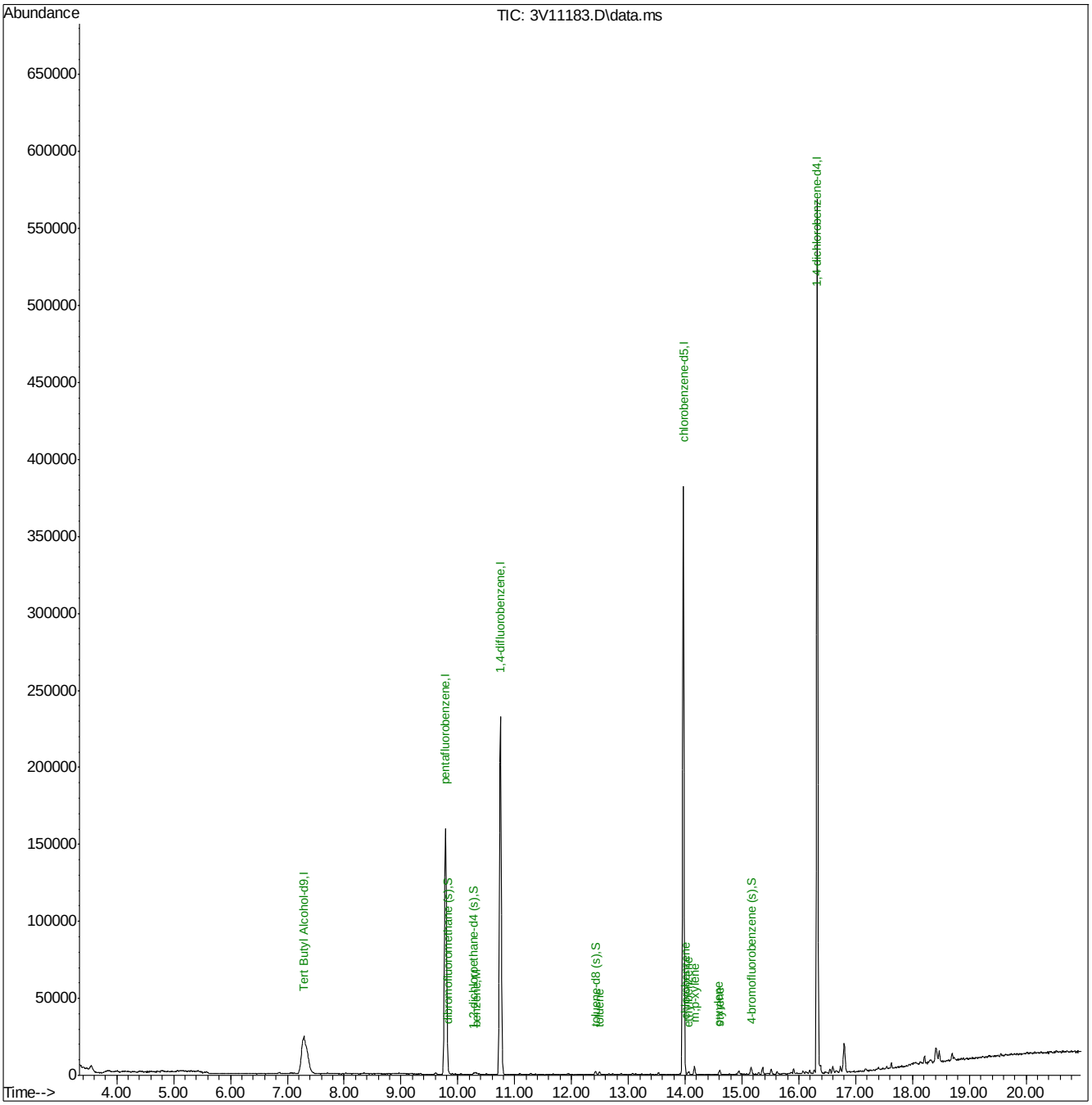
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	92286	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	158490	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	239192	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	228087	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	145861	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	676	0.34	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 0.68%#			
44) 1,2-dichloroethane-d4 (s)	10.278	65	702	0.41	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 0.82%#			
71) toluene-d8 (s)	12.418	98	2010	0.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 0.66%#			
95) 4-bromofluorobenzene (s)	15.165	95	1564	0.62	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.24%#			
Target Compounds						Qvalue
57) benzene	10.331	78	1452	0.19	ug/L	78
73) toluene	12.491	92	993	0.23	ug/L	85
86) chlorobenzene	14.001	112	954	0.18	ug/L	96
88) ethylbenzene	14.053	91	1960	0.21	ug/L	94
89) m,p-xylene	14.164	106	1787	0.49	ug/L	93
90) o-xylene	14.593	106	649	0.17	ug/L	91
91) styrene	14.609	104	920	0.16	ug/L	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	96233	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	162348	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	248601	50.00	ug/L		0.00
79) chlorobenzene-d5	13.969	117	235997	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	152552	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.838	113	1307	0.61	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.22%#				
44) 1,2-dichloroethane-d4 (s)	10.278	65	1131	0.61	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.22%#				
71) toluene-d8 (s)	12.418	98	3647	0.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 1.12%#				
95) 4-bromofluorobenzene (s)	15.165	95	2211	0.72	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.44%#				
Target Compounds							Qvalue
16) 1,1-dichloroethene	6.430	96	1203	0.53	ug/L	#	33
22) carbon disulfide	6.865	76	3865	0.44	ug/L		87
26) methyl tert butyl ether	7.652	73	2341	0.42	ug/L		79
27) trans-1,2-dichloroethene	7.694	96	1326	0.55	ug/L	#	68
28) di-isopropyl ether	8.338	45	2572	0.45	ug/L		90
29) ethyl tert-butyl ether	8.863	59	2333	0.41	ug/L		94
31) 1,1-dichloroethane	8.370	63	1502	0.40	ug/L		84
32) chloroprene	8.470	53	770	0.33	ug/L		77
36) 2,2-dichloropropane	9.177	77	1595	0.44	ug/L	#	50
37) cis-1,2-dichloroethene	9.198	96	1783	0.65	ug/L	#	68
42) chloroform	9.613	83	2187	0.54	ug/L		92
47) 1,1,1-trichloroethane	9.859	97	1627	0.45	ug/L		73
48) tert-amyl methyl ether	10.367	73	2775	0.49	ug/L		98
53) carbon tetrachloride	10.058	117	1408	0.42	ug/L	#	81
54) 1,1-dichloropropene	10.048	75	1155	0.44	ug/L		88
57) benzene	10.336	78	3804	0.42	ug/L		92
60) 1,2-dichloroethane	10.378	62	1002	0.44	ug/L	#	49
61) trichloroethene	11.086	95	935	0.44	ug/L		80
64) 2-chloroethyl vinyl ether	11.940	63	1566	2.24	ug/L		90
66) 1,2-dichloropropane	11.379	63	854	0.43	ug/L	#	40
67) methylcyclohexane	11.280	83	1221	0.36	ug/L		91
68) dibromomethane	11.542	93	427	0.36	ug/L		86
69) bromodichloromethane	11.684	83	1141	0.44	ug/L		96
70) cis-1,3-dichloropropene	12.145	75	1196	0.42	ug/L		94
73) toluene	12.496	92	2344	0.47	ug/L		89
75) trans-1,3-dichloropropene	12.727	75	950	0.38	ug/L		93
77) 1,1,2-trichloroethane	12.937	83	512	0.39	ug/L	#	65
80) tetrachloroethene	13.083	166	940	0.40	ug/L		87
81) 1,3-dichloropropane	13.125	76	924	0.37	ug/L		88
83) dibromochloromethane	13.387	129	794	0.37	ug/L		88
84) 1,2-dibromoethane	13.529	107	671	0.39	ug/L	#	69
86) chlorobenzene	14.001	112	2424	0.40	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87) 1,1,1,2-tetrachloroethane	14.069	131	873	0.38	ug/L		100
88) ethylbenzene	14.053	91	4400	0.44	ug/L		98
89) m,p-xylene	14.163	106	3412	0.86	ug/L		97
90) o-xylene	14.599	106	1411	0.33	ug/L		91
91) styrene	14.614	104	2271	0.38	ug/L		98
92) bromoform	14.903	173	673	0.43	ug/L		89
94) isopropylbenzene	14.945	105	4401	0.40	ug/L		92
96) bromobenzene	15.354	156	1137	0.39	ug/L		90
98) 1,1,2,2-tetrachloroethane	15.291	83	1166	0.42	ug/L		87
101) n-propylbenzene	15.364	91	5462	0.40	ug/L		88
102) 2-chlorotoluene	15.511	126	1020	0.36	ug/L	#	81
103) 4-chlorotoluene	15.616	91	3469	0.43	ug/L		97
104) 1,3,5-trimethylbenzene	15.516	105	3515	0.34	ug/L		95
105) tert-butylbenzene	15.862	119	2549	0.36	ug/L		92
107) 1,2,4-trimethylbenzene	15.909	105	4446	0.34	ug/L		94
108) sec-butylbenzene	16.072	105	4685	0.37	ug/L		95
109) 1,3-dichlorobenzene	16.266	146	2853	0.45	ug/L		95
110) p-isopropyltoluene	16.192	119	3847	0.36	ug/L		98
111) 1,4-dichlorobenzene	16.350	146	2871	0.44	ug/L		92
112) 1,2-dichlorobenzene	16.733	146	2627	0.42	ug/L		94
113) n-butylbenzene	16.596	92	2402	0.39	ug/L		95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	2733	0.45	ug/L		97
116) 1,2,4-trichlorobenzene	18.211	180	2690	0.46	ug/L		97
117) hexachlorobutadiene	18.300	225	1128	0.38	ug/L		95
118) naphthalene	18.473	128	5819	0.47	ug/L		97
119) 1,2,3-trichlorobenzene	18.693	180	2463	0.45	ug/L		88

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

7.7.14

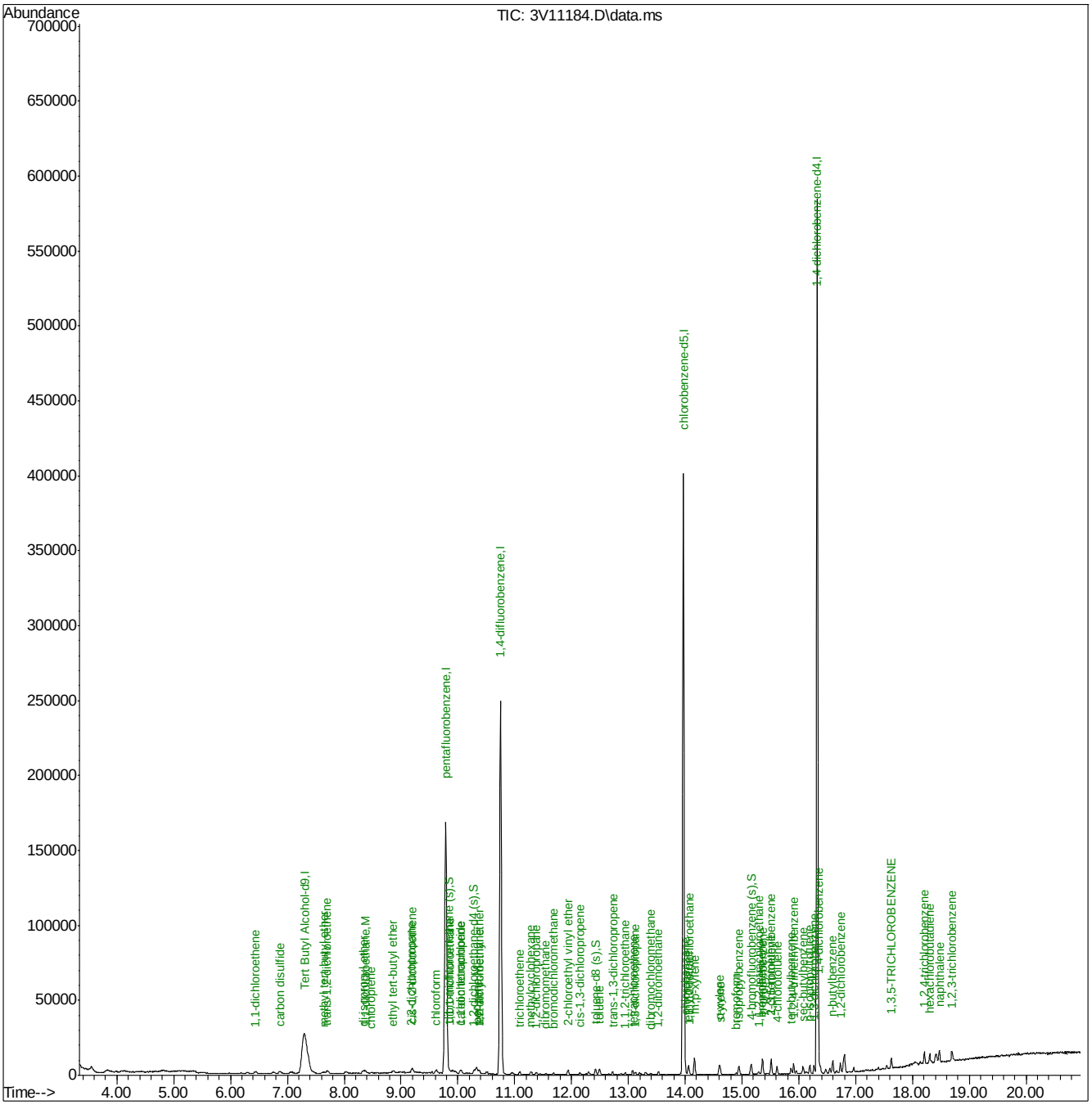
7

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



M3V474.M Thu May 29 13:14:32 2014 GCMS3V Page: 3

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	88284	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	168043	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	250261	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	237615	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150965	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	2001	0.90	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.80%#			
44) 1,2-dichloroethane-d4 (s)	10.284	65	1709	0.89	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.78%#			
71) toluene-d8 (s)	12.423	98	5503	0.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 1.68%#			
95) 4-bromofluorobenzene (s)	15.165	95	3035	1.00	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 2.00%#			
Target Compounds						Qvalue
15) acrolein	6.289	56	580729	1751.17	ug/L	98
16) 1,1-dichloroethene	6.446	96	2094	0.89	ug/L #	79
20) iodomethane	6.750	142	3890	0.80	ug/L	95
22) carbon disulfide	6.860	76	7010	0.77	ug/L	88
26) methyl tert butyl ether	7.641	73	4428	0.77	ug/L	93
27) trans-1,2-dichloroethene	7.704	96	2330	0.93	ug/L	82
28) di-isopropyl ether	8.349	45	4709	0.80	ug/L	94
29) ethyl tert-butyl ether	8.868	59	4791	0.82	ug/L	96
31) 1,1-dichloroethane	8.365	63	2912	0.75	ug/L	94
32) chloroprene	8.475	53	1767	0.74	ug/L	79
36) 2,2-dichloropropane	9.193	77	3036	0.81	ug/L	100
37) cis-1,2-dichloroethene	9.204	96	2832	1.00	ug/L #	79
40) bromochloromethane	9.555	128	806	0.73	ug/L	86
42) chloroform	9.613	83	3642	0.88	ug/L	95
47) 1,1,1-trichloroethane	9.854	97	3061	0.82	ug/L	81
48) tert-amyl methyl ether	10.378	73	4687	0.80	ug/L	91
52) cyclohexane	9.912	84	2485	0.75	ug/L	94
53) carbon tetrachloride	10.064	117	2650	0.79	ug/L	82
54) 1,1-dichloropropene	10.048	75	2164	0.82	ug/L	93
55) hexane	8.019	57	1835	0.84	ug/L	94
57) benzene	10.336	78	6885	0.75	ug/L	96
58) heptane	10.515	57	876	0.67	ug/L	89
60) 1,2-dichloroethane	10.378	62	1760	0.77	ug/L	88
61) trichloroethene	11.091	95	1677	0.79	ug/L #	74
64) 2-chloroethyl vinyl ether	11.941	63	2689	3.82	ug/L	92
65) methyl methacrylate	11.280	41	1111	0.87	ug/L	88
66) 1,2-dichloropropane	11.374	63	1526	0.77	ug/L	91
67) methylcyclohexane	11.291	83	2537	0.75	ug/L	98
68) dibromomethane	11.542	93	858	0.71	ug/L	97
69) bromodichloromethane	11.684	83	1976	0.76	ug/L	95
70) cis-1,3-dichloropropene	12.145	75	2180	0.77	ug/L	97
73) toluene	12.496	92	3932	0.78	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

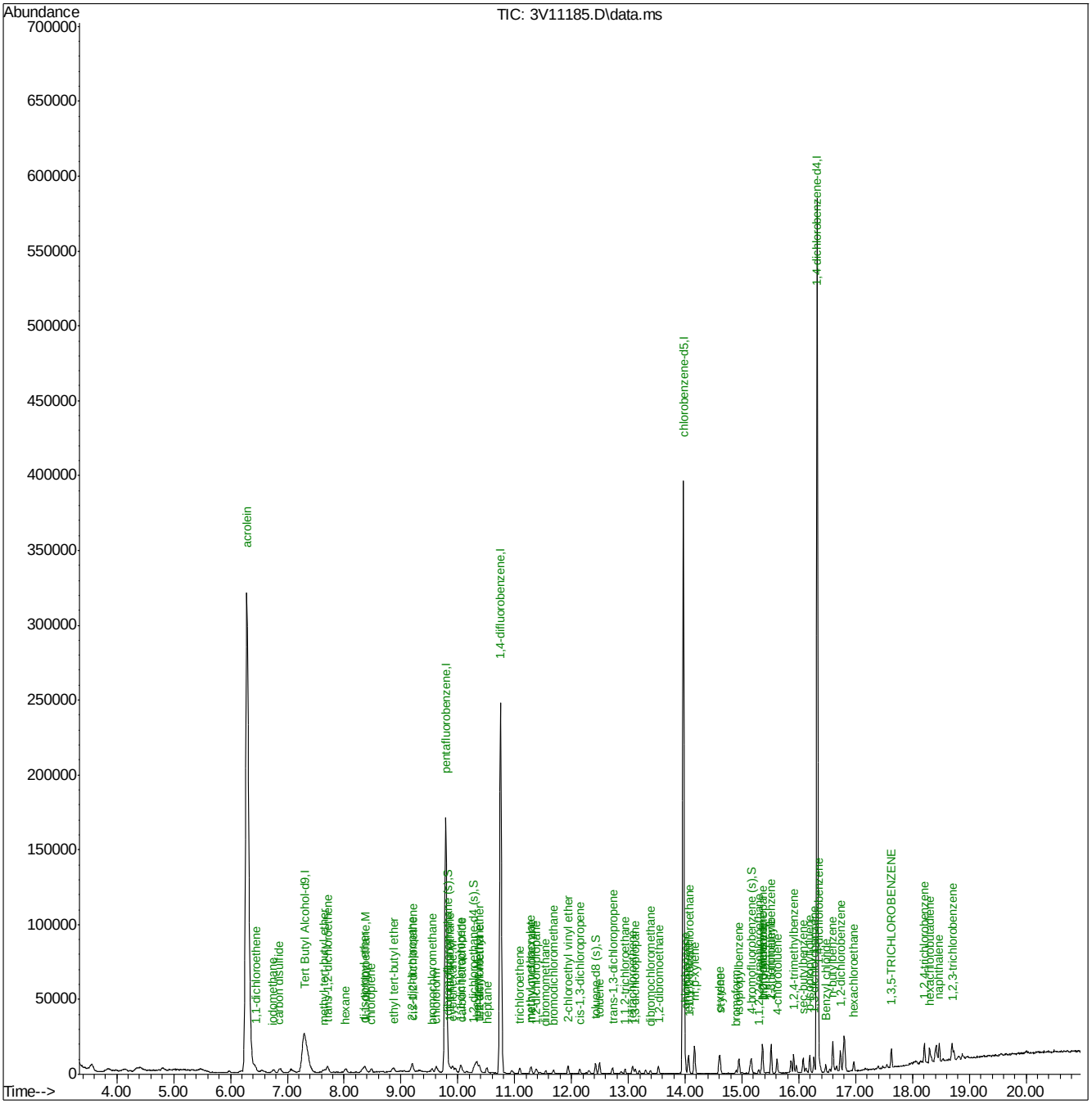
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	trans-1,3-dichloropropene	12.727	75	1826	0.73	ug/L	88
77)	1,1,2-trichloroethane	12.942	83	1031	0.78	ug/L	84
80)	tetrachloroethene	13.078	166	1782	0.76	ug/L	97
81)	1,3-dichloropropane	13.120	76	1733	0.69	ug/L	92
83)	dibromochloromethane	13.393	129	1440	0.67	ug/L	96
84)	1,2-dibromoethane	13.535	107	1272	0.73	ug/L	98
86)	chlorobenzene	14.001	112	4634	0.76	ug/L	95
87)	1,1,1,2-tetrachloroethane	14.069	131	1716	0.74	ug/L	91
88)	ethylbenzene	14.054	91	7939	0.80	ug/L	96
89)	m,p-xylene	14.164	106	6073	1.52	ug/L	94
90)	o-xylene	14.599	106	2900	0.68	ug/L	97
91)	styrene	14.615	104	4251	0.71	ug/L	95
92)	bromoform	14.903	173	1135	0.73	ug/L	77
94)	isopropylbenzene	14.945	105	7688	0.70	ug/L	98
96)	bromobenzene	15.359	156	2259	0.77	ug/L	91
98)	1,1,2,2-tetrachloroethane	15.291	83	1850	0.67	ug/L	85
100)	1,2,3-trichloropropane	15.359	110	370	0.67	ug/L	83
101)	n-propylbenzene	15.364	91	9248	0.68	ug/L	99
102)	2-chlorotoluene	15.516	126	1918	0.68	ug/L	90
103)	4-chlorotoluene	15.616	91	6157	0.76	ug/L	96
104)	1,3,5-trimethylbenzene	15.516	105	6504	0.64	ug/L	99
107)	1,2,4-trimethylbenzene	15.910	105	7423	0.57	ug/L	86
108)	sec-butylbenzene	16.072	105	8254	0.67	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	4692	0.75	ug/L	100
110)	p-isopropyltoluene	16.193	119	7186	0.68	ug/L	98
111)	1,4-dichlorobenzene	16.350	146	5030	0.79	ug/L	91
112)	1,2-dichlorobenzene	16.733	146	4806	0.77	ug/L	98
113)	n-butylbenzene	16.596	92	4205	0.70	ug/L	95
115)	1,3,5-TRICHLOROBENZENE	17.629	180	4698	0.78	ug/L	94
116)	1,2,4-trichlorobenzene	18.211	180	4222	0.73	ug/L	97
117)	hexachlorobutadiene	18.306	225	2184	0.74	ug/L	87
118)	naphthalene	18.468	128	8671	0.71	ug/L	98
119)	1,2,3-trichlorobenzene	18.699	180	4079	0.76	ug/L	91
120)	hexachloroethane	16.964	119	1703	0.79	ug/L	76
121)	Benzyl chloride	16.471	91	4188	0.86	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	81258	500.00	ug/L	0.00
5) pentafluorobenzene	9.785	168	155450	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	234535	50.00	ug/L	0.00
79) chlorobenzene-d5	13.969	117	220566	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	142306	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	3545	1.72	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery =	3.44%#		
44) 1,2-dichloroethane-d4 (s)	10.273	65	3257	1.82	ug/L	-0.01
Spiked Amount 50.000	Range 65 - 123		Recovery =	3.64%#		
71) toluene-d8 (s)	12.423	98	10482	1.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery =	3.42%#		
95) 4-bromofluorobenzene (s)	15.165	95	4933	1.72	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery =	3.44%#		
Target Compounds						Qvalue
4) tertiary butyl alcohol	7.416	59	2128	9.23	ug/L	58
7) dichlorodifluoromethane	3.541	85	7045	1.94	ug/L	91
8) chloromethane	3.835	50	6176	1.67	ug/L	96
9) vinyl chloride	4.102	62	6178	1.65	ug/L	89
10) bromomethane	4.789	94	4658	1.92	ug/L	82
11) chloroethane	4.993	64	2112	1.72	ug/L	93
12) trichlorofluoromethane	5.518	101	6940	1.76	ug/L	96
13) ethyl ether	5.963	74	1219	1.59	ug/L	94
15) acrolein	6.283	56	293684	957.34	ug/L	99
16) 1,1-dichloroethene	6.435	96	4125	1.89	ug/L	92
20) iodomethane	6.750	142	8003	1.77	ug/L	93
22) carbon disulfide	6.865	76	14377	1.72	ug/L	97
23) methylene chloride	7.285	84	5844	2.18	ug/L	92
26) methyl tert butyl ether	7.636	73	9365	1.76	ug/L	97
27) trans-1,2-dichloroethene	7.694	96	4300	1.85	ug/L	78
28) di-isopropyl ether	8.333	45	9627	1.77	ug/L	88
29) ethyl tert-butyl ether	8.857	59	9445	1.75	ug/L	95
31) 1,1-dichloroethane	8.370	63	6320	1.75	ug/L	96
32) chloroprene	8.469	53	4032	1.82	ug/L	94
33) acrylonitrile	7.704	53	4318	8.77	ug/L	93
36) 2,2-dichloropropane	9.188	77	6693	1.93	ug/L	90
37) cis-1,2-dichloroethene	9.198	96	5096	1.95	ug/L	85
38) propionitrile	9.324	54	3828	18.21	ug/L	91
40) bromochloromethane	9.550	128	1911	1.86	ug/L	97
42) chloroform	9.618	83	6906	1.79	ug/L	97
45) freon 113	6.388	151	3133	1.81	ug/L	83
46) methacrylonitrile	9.497	41	1372	1.98	ug/L	81
47) 1,1,1-trichloroethane	9.859	97	6463	1.88	ug/L	96
48) tert-amyl methyl ether	10.373	73	9282	1.72	ug/L	92
51) n-butyl alcohol	10.949	56	4456	87.76	ug/L	97
52) cyclohexane	9.906	84	5272	1.69	ug/L	96
53) carbon tetrachloride	10.058	117	5742	1.82	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54)	1,1-dichloropropene	10.048	75	4485	1.80	ug/L		89
55)	hexane	8.019	57	3419	1.68	ug/L		90
56)	ISOOCTANE	10.299	57	10441	1.58	ug/L	#	92
57)	benzene	10.331	78	13751	1.60	ug/L		99
58)	heptane	10.504	57	2078	1.69	ug/L		94
59)	isopropyl acetate	10.299	43	6254	1.84	ug/L	#	88
60)	1,2-dichloroethane	10.378	62	3701	1.73	ug/L		95
61)	trichloroethene	11.091	95	3417	1.71	ug/L		92
64)	2-chloroethyl vinyl ether	11.935	63	5886	8.92	ug/L		98
65)	methyl methacrylate	11.285	41	2175	1.81	ug/L		96
66)	1,2-dichloropropane	11.374	63	3255	1.74	ug/L		98
67)	methylcyclohexane	11.290	83	5591	1.76	ug/L		87
68)	dibromomethane	11.542	93	2001	1.77	ug/L		94
69)	bromodichloromethane	11.683	83	4125	1.70	ug/L		96
70)	cis-1,3-dichloropropene	12.145	75	4722	1.77	ug/L		99
72)	4-methyl-2-pentanone	12.250	58	943	1.80	ug/L	#	78
73)	toluene	12.491	92	7927	1.68	ug/L		99
74)	3-methyl-1-butanol	12.307	70	1477	34.07	ug/L		92
75)	trans-1,3-dichloropropene	12.722	75	4056	1.73	ug/L		93
76)	ethyl methacrylate	12.706	69	2751	1.70	ug/L		95
77)	1,1,2-trichloroethane	12.942	83	2317	1.87	ug/L		94
80)	tetrachloroethene	13.078	166	3999	1.84	ug/L		92
81)	1,3-dichloropropane	13.120	76	4043	1.74	ug/L		98
82)	butyl acetate	13.188	56	1513	1.80	ug/L	#	77
83)	dibromochloromethane	13.382	129	3589	1.80	ug/L		88
84)	1,2-dibromoethane	13.534	107	2700	1.68	ug/L		92
86)	chlorobenzene	14.001	112	9499	1.68	ug/L		94
87)	1,1,1,2-tetrachloroethane	14.069	131	3806	1.78	ug/L		99
88)	ethylbenzene	14.053	91	16151	1.74	ug/L		95
89)	m,p-xylene	14.163	106	12008	3.23	ug/L		98
90)	o-xylene	14.599	106	6194	1.56	ug/L		89
91)	styrene	14.614	104	9199	1.66	ug/L		98
92)	bromoform	14.897	173	2583	1.78	ug/L		99
94)	isopropylbenzene	14.950	105	16440	1.59	ug/L		99
96)	bromobenzene	15.359	156	5117	1.86	ug/L		88
97)	cyclohexanone	15.149	55	7731	20.92	ug/L		97
98)	1,1,2,2-tetrachloroethane	15.291	83	4859	1.88	ug/L		98
100)	1,2,3-trichloropropane	15.364	110	1045	1.99	ug/L		82
101)	n-propylbenzene	15.364	91	20393	1.58	ug/L		99
102)	2-chlorotoluene	15.516	126	4390	1.66	ug/L		91
103)	4-chlorotoluene	15.616	91	12842	1.69	ug/L		96
104)	1,3,5-trimethylbenzene	15.516	105	13877	1.46	ug/L		97
105)	tert-butylbenzene	15.862	119	10521	1.59	ug/L		96
106)	pentachloroethane	15.951	167	2782	1.62	ug/L		96
107)	1,2,4-trimethylbenzene	15.909	105	15098	1.23	ug/L		89
108)	sec-butylbenzene	16.077	105	18601	1.60	ug/L		99
109)	1,3-dichlorobenzene	16.266	146	10210	1.74	ug/L		95
110)	p-isopropyltoluene	16.192	119	15924	1.60	ug/L		98
111)	1,4-dichlorobenzene	16.350	146	10412	1.73	ug/L		93
112)	1,2-dichlorobenzene	16.733	146	10125	1.73	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
113) n-butylbenzene	16.596	92	9589	1.68	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.482	75	1146	2.18	ug/L	95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	9981	1.75	ug/L	98
116) 1,2,4-trichlorobenzene	18.211	180	9654	1.77	ug/L	97
117) hexachlorobutadiene	18.300	225	4857	1.75	ug/L	94
118) naphthalene	18.473	128	19090	1.65	ug/L	98
119) 1,2,3-trichlorobenzene	18.699	180	8870	1.74	ug/L	90
120) hexachloroethane	16.968	119	3585	1.75	ug/L	83
121) Benzyl chloride	16.476	91	8728	1.90	ug/L	98

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

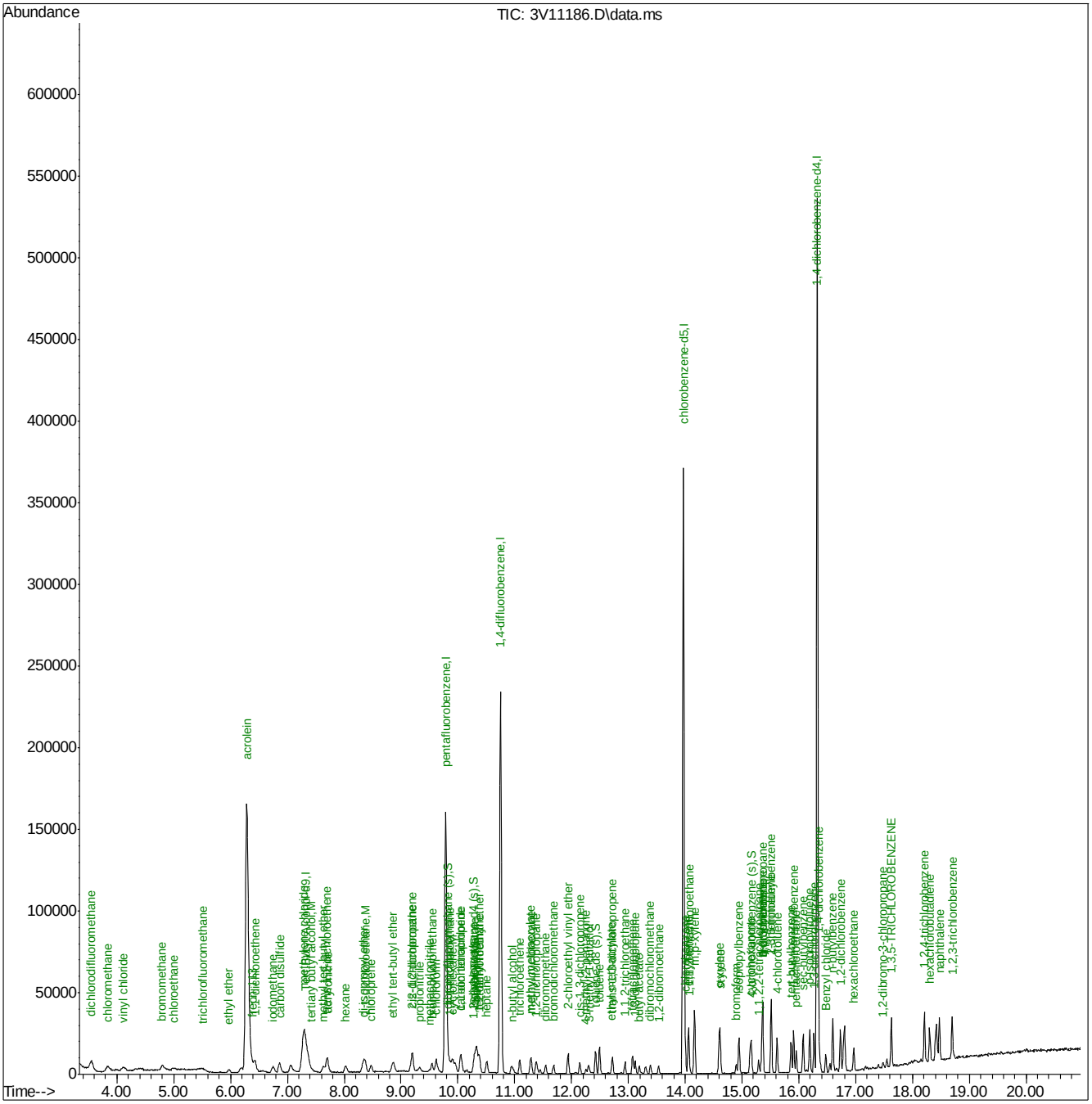
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 05/29/14 17:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.301	65	88650	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	152136	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	230267	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	221836	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	144075	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.838	113	8894	4.51	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 9.02%#				
44) 1,2-dichloroethane-d4 (s)	10.279	65	7760	4.49	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 8.98%#				
71) toluene-d8 (s)	12.423	98	26541	4.65	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 9.30%#				
95) 4-bromofluorobenzene (s)	15.165	95	11917	4.54	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 9.08%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.516	88	2556m	108.29	ug/L		
4) tertiary butyl alcohol	7.442	59	5952m	25.22	ug/L		
6) chlorodifluoromethane	3.552	51	25265	8.43	ug/L		94
7) dichlorodifluoromethane	3.547	85	19846	5.19	ug/L		99
8) chloromethane	3.835	50	15556	4.73	ug/L		95
9) vinyl chloride	4.123	62	17175	4.96	ug/L		98
10) bromomethane	4.789	94	12301	5.25	ug/L		87
11) chloroethane	5.004	64	6192	5.38	ug/L		96
12) trichlorofluoromethane	5.513	101	19833	5.21	ug/L		88
13) ethyl ether	5.964	74	3746	5.47	ug/L		82
14) 2-chloropropane	6.184	43	14363	5.17	ug/L		98
15) acrolein	6.289	56	19037	69.00	ug/L		97
16) 1,1-dichloroethene	6.436	96	10164	4.95	ug/L		98
17) acetone	6.551	43	3085	6.69	ug/L		97
18) allyl chloride	7.059	76	4525	6.39	ug/L		97
19) acetonitrile	7.070	40	7035	54.54	ug/L		93
20) iodomethane	6.745	142	21448	5.39	ug/L		97
21) iso-butyl alcohol	10.153	41	2953	54.31	ug/L		89
22) carbon disulfide	6.860	76	38326	5.36	ug/L		98
23) methylene chloride	7.285	84	12580	3.91	ug/L		94
24) 1-chloropropane	7.306	42	21524	7.54	ug/L	#	88
25) methyl acetate	7.075	74	979m	4.53	ug/L		
26) methyl tert butyl ether	7.636	73	25139	5.53	ug/L		98
27) trans-1,2-dichloroethene	7.699	96	10873	4.93	ug/L		96
28) di-isopropyl ether	8.339	45	26984	5.59	ug/L		96
29) ethyl tert-butyl ether	8.858	59	26368	5.56	ug/L		98
30) 2-butanone	9.183	72	634m	3.79	ug/L		
31) 1,1-dichloroethane	8.365	63	17674	5.86	ug/L		99
32) chloroprene	8.475	53	11063	5.99	ug/L		95
33) acrylonitrile	7.704	53	12189	26.72	ug/L		94
34) vinyl acetate	8.370	86	748	3.75	ug/L	#	55
35) ethyl acetate	9.204	45	776	4.77	ug/L		42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	17362	5.51	ug/L		97
37) cis-1,2-dichloroethene	9.204	96	11916	4.46	ug/L		89
38) propionitrile	9.324	54	10917	61.47	ug/L		90
39) methyl acrylate	9.293	55	6908	5.04	ug/L	#	94
40) bromochloromethane	9.545	128	5233	5.74	ug/L		94
41) tetrahydrofuran	9.581	42	2137	4.85	ug/L		97
42) chloroform	9.618	83	18047	5.03	ug/L		99
45) freon 113	6.415	151	9347	6.18	ug/L		98
46) methacrylonitrile	9.503	41	3476	5.10	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	16919	5.38	ug/L		96
48) tert-amyl methyl ether	10.368	73	26309	5.42	ug/L		95
50) epichlorohydrin	12.067	57	3246	30.54	ug/L		89
51) n-butyl alcohol	10.945	56	12504	258.67	ug/L		96
52) cyclohexane	9.906	84	15594	5.79	ug/L		98
53) carbon tetrachloride	10.064	117	15657	5.60	ug/L		99
54) 1,1-dichloropropene	10.048	75	12008	5.41	ug/L		96
55) hexane	8.019	57	9859	5.54	ug/L		94
56) ISOOCTANE	10.305	57	31602	5.56	ug/L		98
57) benzene	10.331	78	36754	5.32	ug/L		98
58) heptane	10.504	57	6117	5.97	ug/L		97
59) isopropyl acetate	10.300	43	16946	5.20	ug/L		99
60) 1,2-dichloroethane	10.378	62	10533	5.68	ug/L		100
61) trichloroethene	11.091	95	9598	5.53	ug/L		97
63) 2-nitropropane	11.935	43	11857	4.94	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	17241	29.08	ug/L		98
65) methyl methacrylate	11.285	41	6239	5.60	ug/L		99
66) 1,2-dichloropropane	11.374	63	8908	5.56	ug/L		97
67) methylcyclohexane	11.291	83	15477	6.26	ug/L		95
68) dibromomethane	11.542	93	5594	6.03	ug/L		97
69) bromodichloromethane	11.684	83	11546	5.48	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	12758	5.48	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	2533	5.06	ug/L		88
73) toluene	12.491	92	20100	4.81	ug/L		99
74) 3-methyl-1-butanol	12.297	70	4303	103.18	ug/L		96
75) trans-1,3-dichloropropene	12.727	75	11315	5.80	ug/L		92
76) ethyl methacrylate	12.711	69	7672	5.60	ug/L		97
77) 1,1,2-trichloroethane	12.942	83	6248	5.84	ug/L		97
78) 2-hexanone	13.120	58	2250	4.77	ug/L		97
80) tetrachloroethene	13.078	166	10474	5.51	ug/L		100
81) 1,3-dichloropropane	13.120	76	10821	5.70	ug/L		99
82) butyl acetate	13.189	56	4187	5.71	ug/L		93
83) dibromochloromethane	13.388	129	9328	5.59	ug/L		98
84) 1,2-dibromoethane	13.535	107	7607	5.63	ug/L		98
86) chlorobenzene	14.001	112	25505	5.41	ug/L		95
87) 1,1,1,2-tetrachloroethane	14.069	131	10136	5.48	ug/L		95
88) ethylbenzene	14.054	91	42979	5.07	ug/L		97
89) m,p-xylene	14.164	106	32813	9.69	ug/L		96
90) o-xylene	14.599	106	16729	5.46	ug/L		98
91) styrene	14.615	104	25315	5.49	ug/L		97
92) bromoform	14.898	173	7120	5.58	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

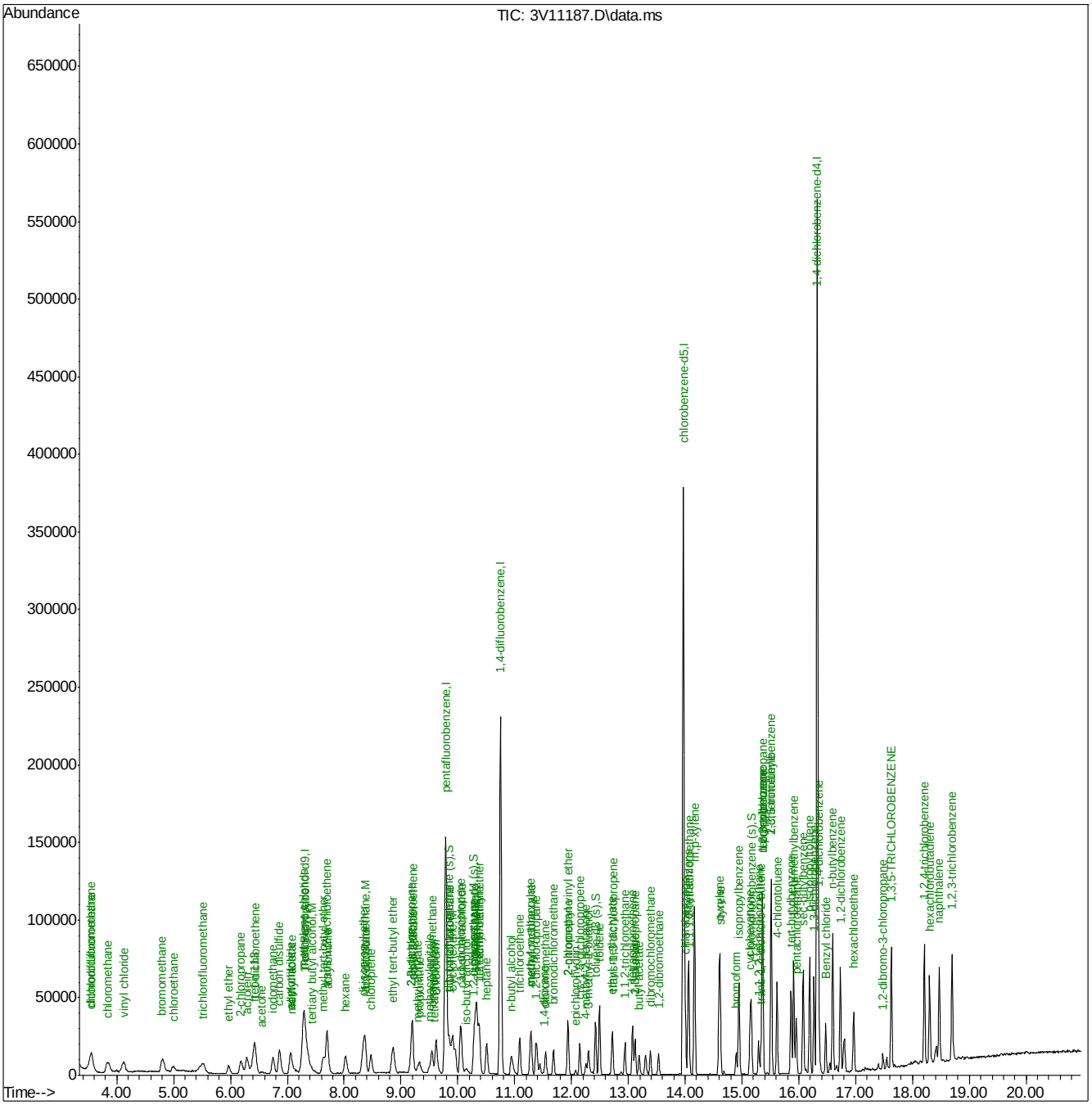
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	43020	5.08	ug/L	97
96)	bromobenzene	15.359	156	12846	5.40	ug/L	97
97)	cyclohexanone	15.144	55	16268	53.02	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	11850	5.35	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	2420	4.66	ug/L	95
100)	1,2,3-trichloropropane	15.364	110	2666	5.70	ug/L	91
101)	n-propylbenzene	15.364	91	54902	5.32	ug/L	99
102)	2-chlorotoluene	15.516	126	12283	5.74	ug/L	98
103)	4-chlorotoluene	15.616	91	34176	5.26	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	38831	5.44	ug/L	99
105)	tert-butylbenzene	15.863	119	29155	5.37	ug/L	96
106)	pentachloroethane	15.957	167	7454	4.66	ug/L	94
107)	1,2,4-trimethylbenzene	15.910	105	40923	5.14	ug/L	93
108)	sec-butylbenzene	16.077	105	51756	5.46	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	27046	5.28	ug/L	97
110)	p-isopropyltoluene	16.193	119	44733	5.56	ug/L	99
111)	1,4-dichlorobenzene	16.350	146	26890	5.13	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	26860	5.37	ug/L	97
113)	n-butylbenzene	16.597	92	25801	5.47	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.483	75	2733	5.07	ug/L	92
115)	1,3,5-TRICHLOROBENZENE	17.629	180	25815	5.11	ug/L	99
116)	1,2,4-trichlorobenzene	18.211	180	23950	5.00	ug/L	97
117)	hexachlorobutadiene	18.301	225	12827	5.43	ug/L	97
118)	naphthalene	18.468	128	47207	4.86	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	22239	4.98	ug/L	95
120)	hexachloroethane	16.969	119	8719	4.79	ug/L	94
121)	Benzyl chloride	16.471	91	23420	5.34	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

Sample Number: V3V474-IC474
Lab FileID: 3V11187.D
Injection Time: 05/22/14 12:08

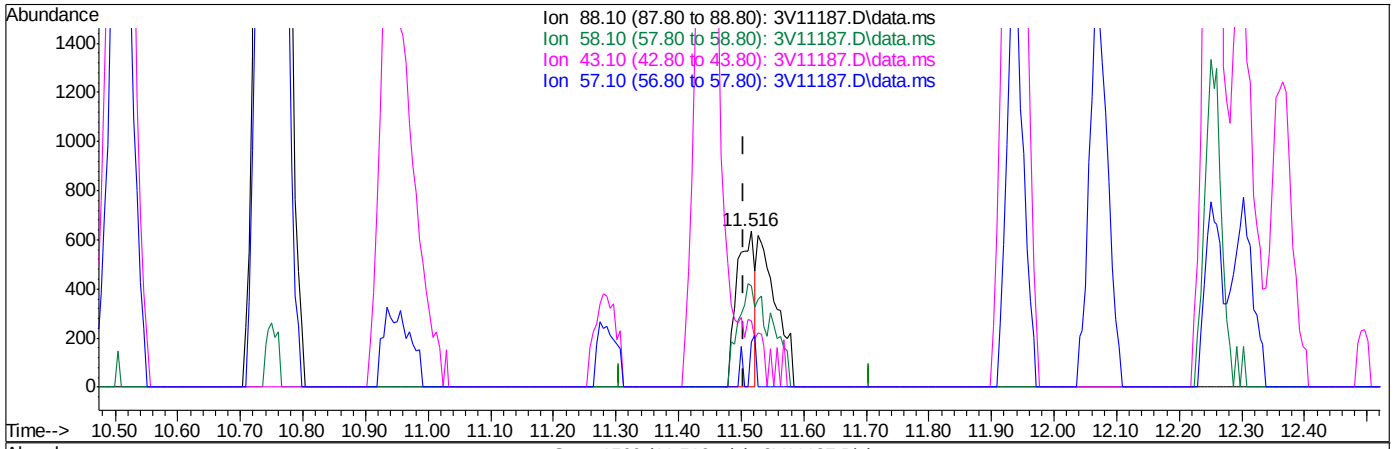
Method: SW846 8260C
Analyst approved: 05/23/14 14:36 Dipa Patel
Supervisor approved: 05/29/14 17:49 Jessica Reitan-Chu

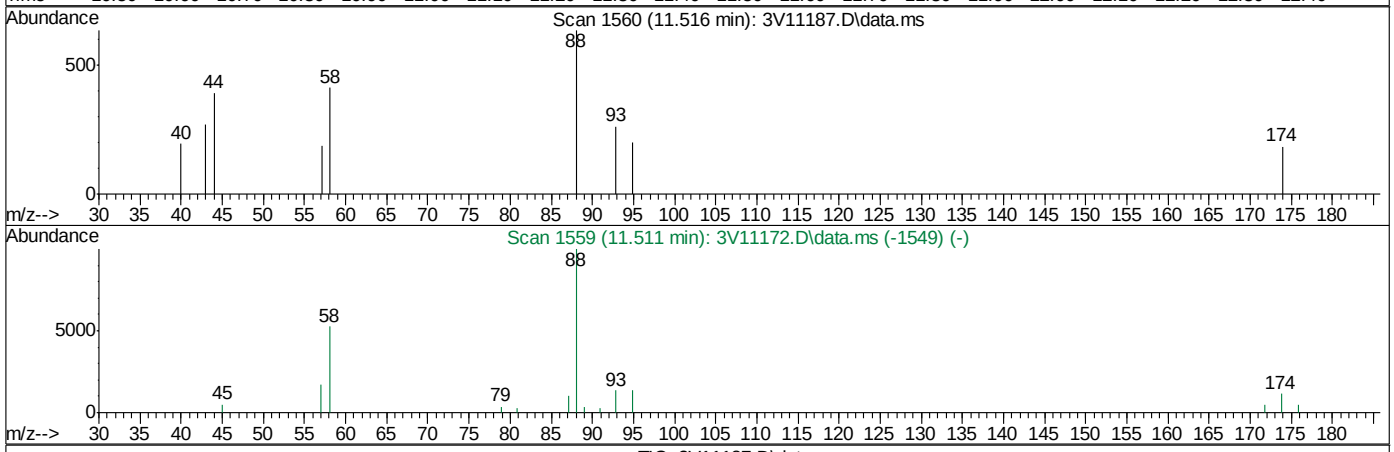
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Acetate	79-20-9		7.08	Poor instrument integration
Tert Butyl Alcohol	75-65-0		7.44	Poor instrument integration
2-Butanone (MEK)	78-93-3		9.18	Missed peak
1,4-Dioxane	123-91-1		11.52	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 51.05ug/L

response 1205

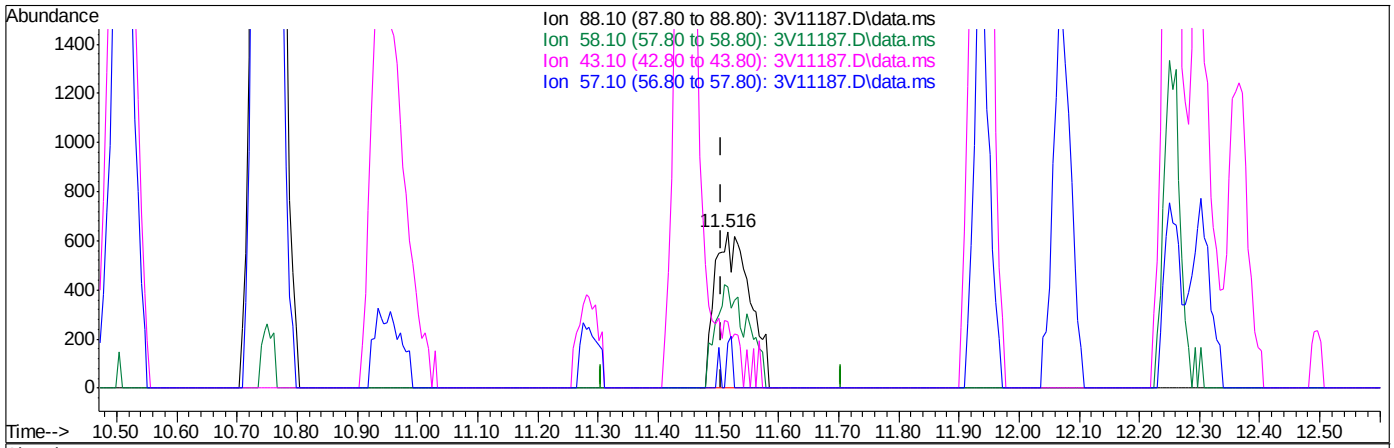
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	94.19#
43.10	0.00	0.00
57.10	22.70	0.00

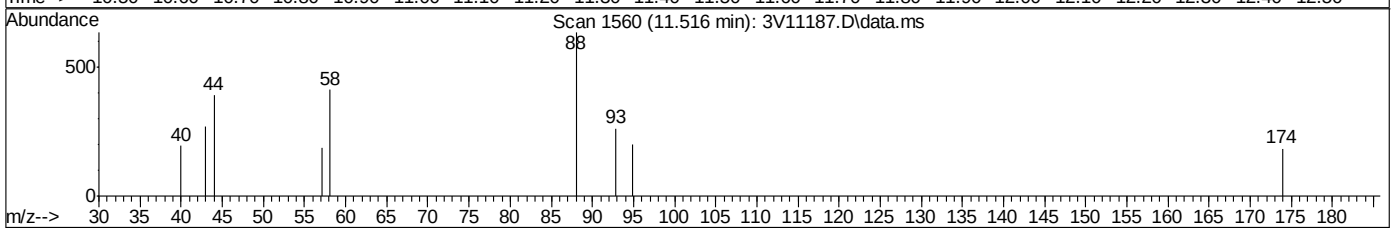
3V11187.D edits: 1,4-dioxane

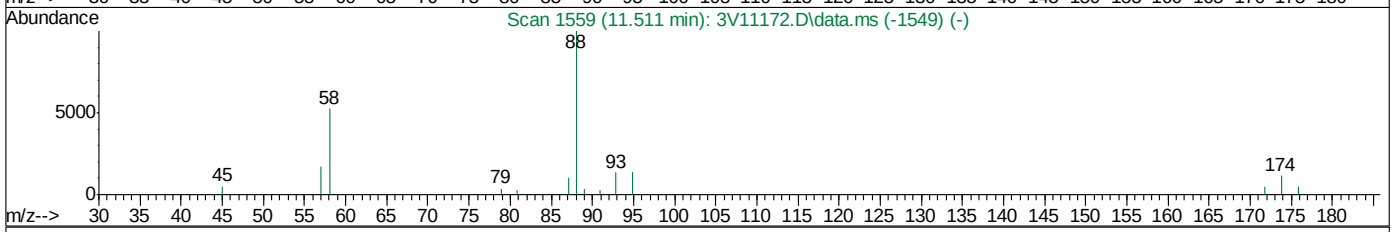
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 108.29ug/L m

response 2556

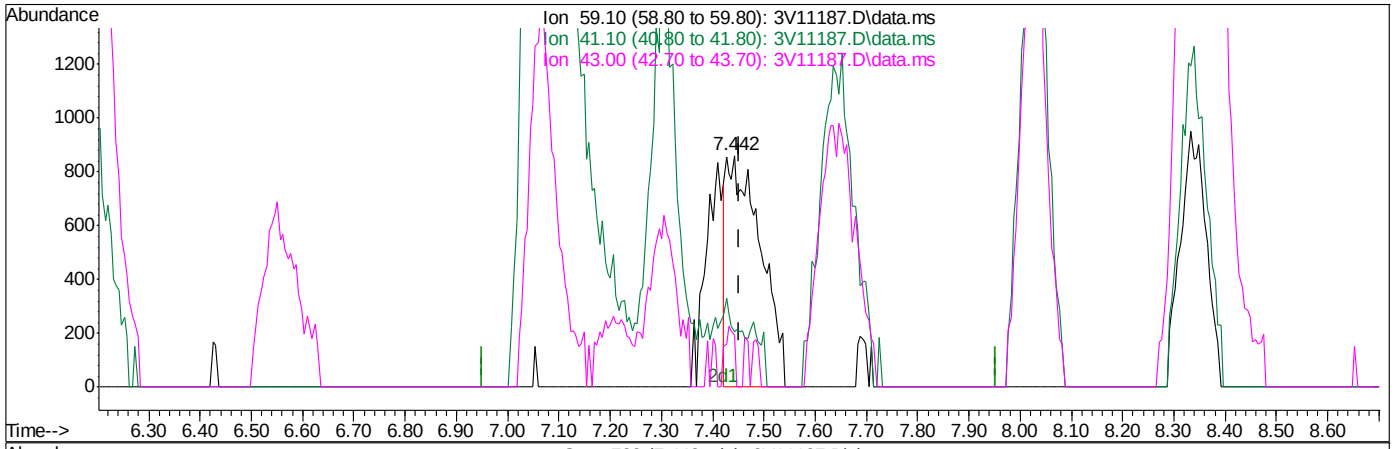
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	44.41
43.10	0.00	0.00
57.10	22.70	0.00

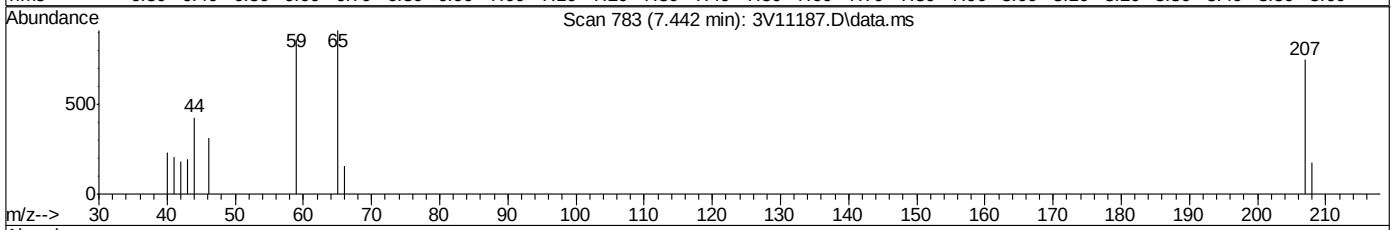
3V11187.D edits: 1,4-dioxane

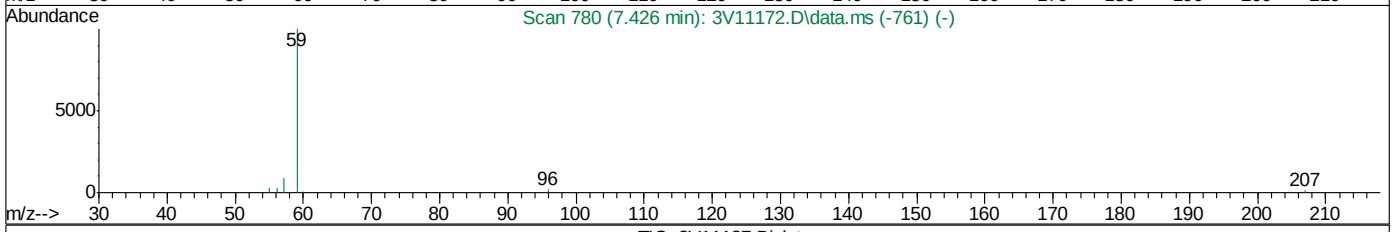
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 16.81ug/L

response 3968

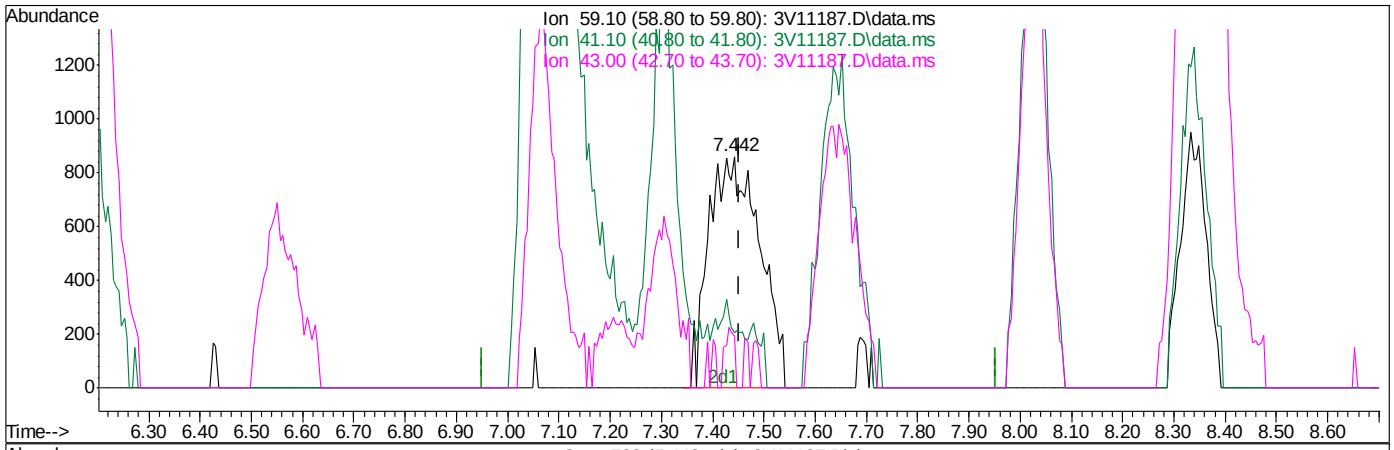
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

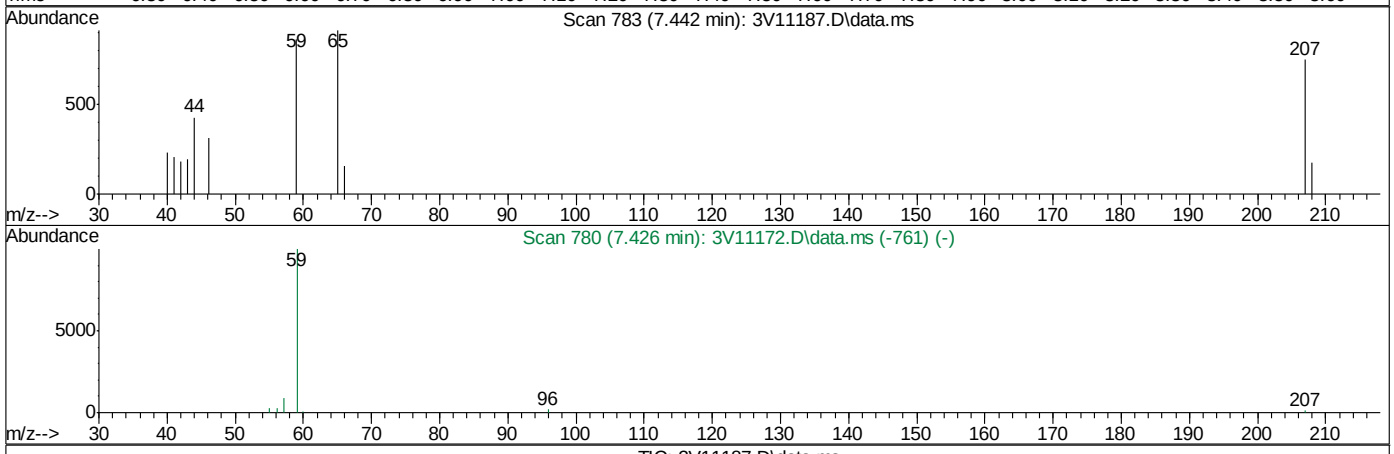
3V11187.D edits: tertiary butyl alcohol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 25.22ug/L m

response 5952

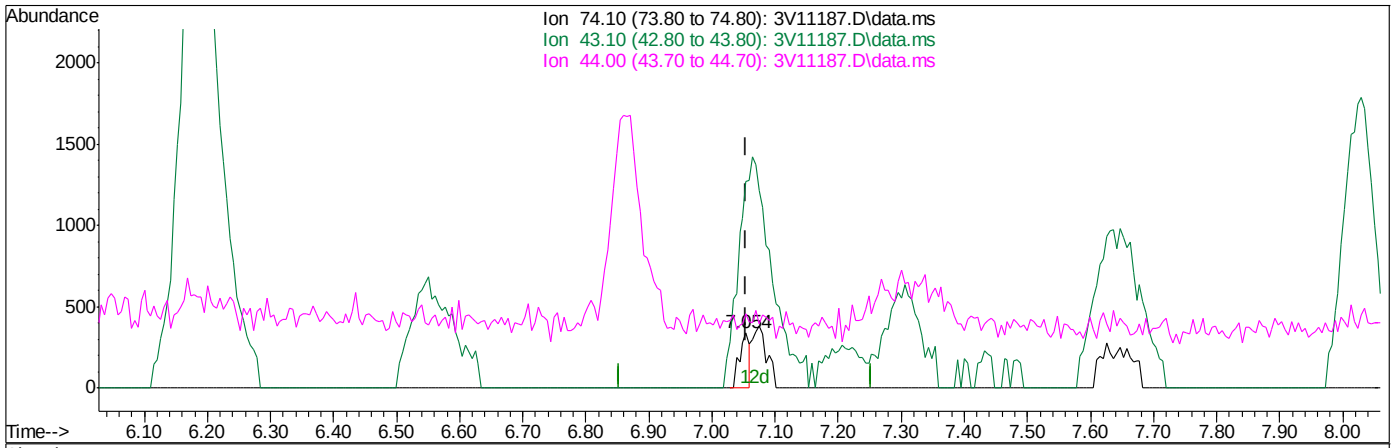
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

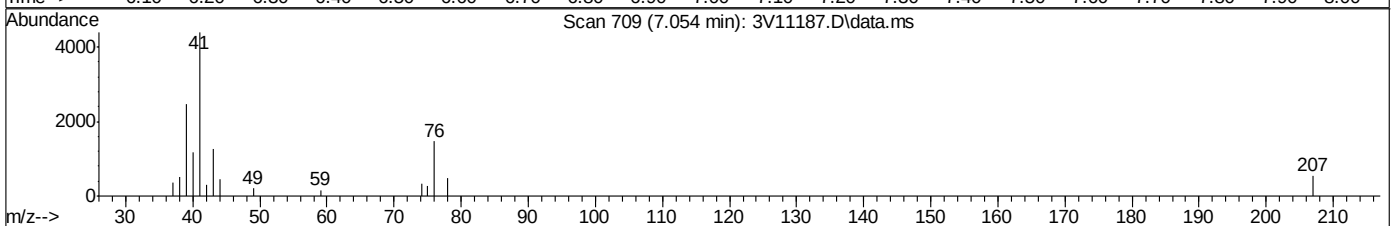
3V11187.D edits: tertiary butyl alcohol

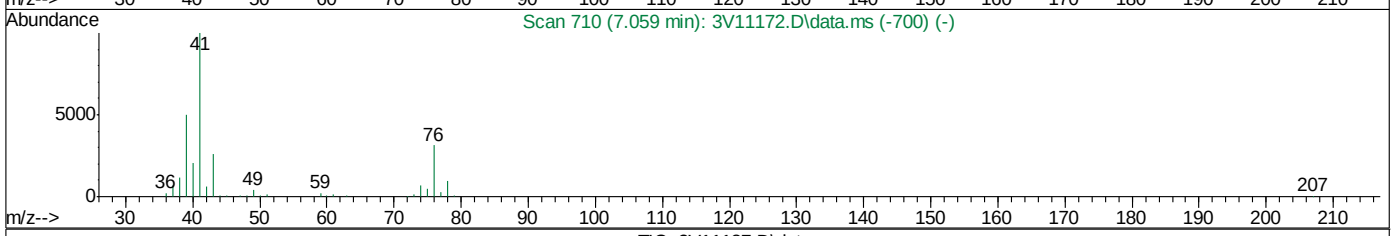
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(25) methyl acetate

7.054min (+0.000) 1.80ug/L

response 390

Ion	Exp%	Act%
74.10	100	100
43.10	431.60	1333.59#
44.00	11.80	0.00
0.00	0.00	0.00

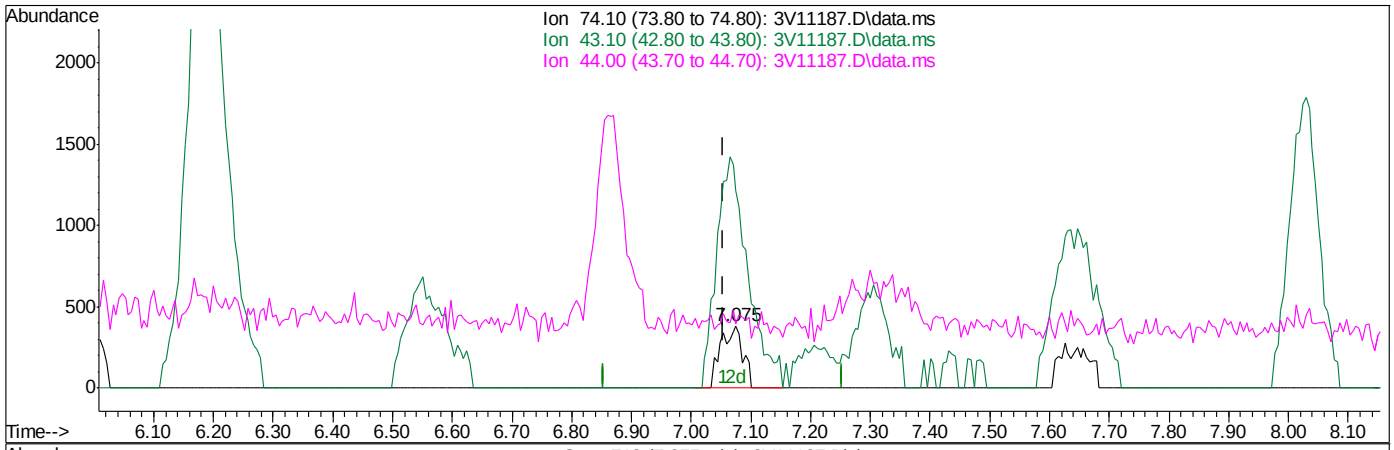
7.7.17.6
7
ACCUTEST LABORATORIES
JB68318

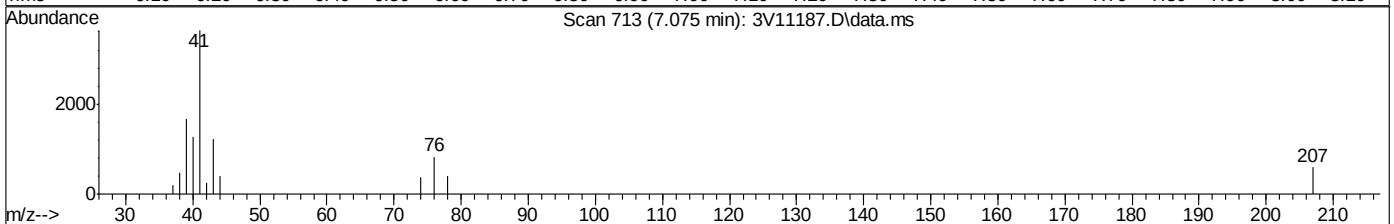
3V11187.D edits: methyl acetate

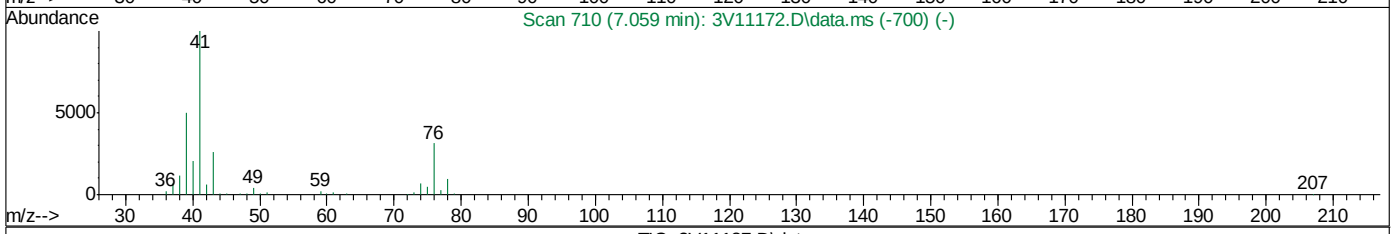
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(25) methyl acetate

7.075min (+0.021) 4.53ug/L m

response 979

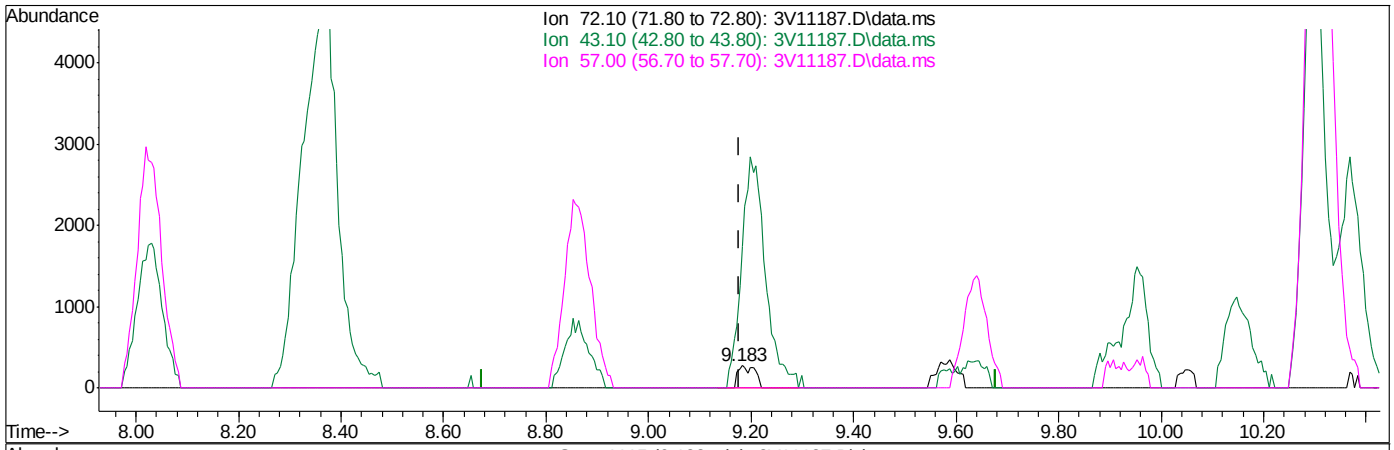
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	531.26#
44.00	11.80	0.00
0.00	0.00	0.00

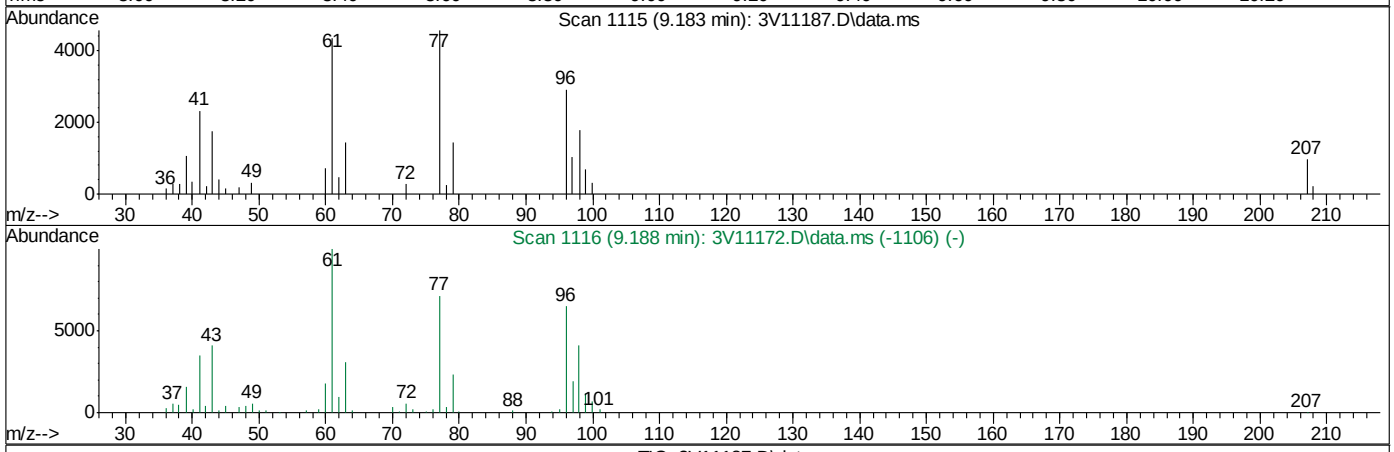
3V11187.D edits: methyl acetate

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(30) 2-butanone

9.183min (+0.005) 3.79ug/L m

response 634

Ion	Exp%	Act%
72.10	100	100
43.10	1007.00	0.00#
57.00	25.00	0.00#
0.00	0.00	0.00

3V11187.D edits: 2-butanone

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.322	65	87172	500.00	ug/L	0.01
5) pentafluorobenzene	9.786	168	155895	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	237131	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	225258	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	148116	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	19404	9.41	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 18.82%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	17155	9.58	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 19.16%#			
71) toluene-d8 (s)	12.423	98	60116	9.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 19.44%#			
95) 4-bromofluorobenzene (s)	15.165	95	25758	8.63	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 17.26%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.532	88	5496	245.83	ug/L	94
4) tertiary butyl alcohol	7.432	59	11996	48.48	ug/L	87
6) chlorodifluoromethane	3.552	51	39053	10.58	ug/L	99
7) dichlorodifluoromethane	3.547	85	43582	11.98	ug/L	99
8) chloromethane	3.851	50	34575	9.35	ug/L	98
9) vinyl chloride	4.123	62	38630	10.26	ug/L	99
10) bromomethane	4.800	94	25976	10.69	ug/L	95
11) chloroethane	5.004	64	13871	11.25	ug/L	95
12) trichlorofluoromethane	5.513	101	44460	11.25	ug/L	98
13) ethyl ether	5.969	74	7801	10.13	ug/L	94
14) 2-chloropropane	6.179	43	30544	10.19	ug/L	98
15) acrolein	6.294	56	30535	99.25	ug/L	99
16) 1,1-dichloroethene	6.435	96	21512	9.83	ug/L	97
17) acetone	6.556	43	5391	9.33	ug/L	99
18) allyl chloride	7.059	76	9640	10.36	ug/L	98
19) acetonitrile	7.070	40	13904	115.73	ug/L	90
20) iodomethane	6.750	142	45197	9.98	ug/L	97
21) iso-butyl alcohol	10.148	41	6053	106.82	ug/L	90
22) carbon disulfide	6.865	76	81861	9.74	ug/L	99
23) methylene chloride	7.290	84	24467	9.11	ug/L	95
24) 1-chloropropane	7.306	42	37116	11.38	ug/L	93
25) methyl acetate	7.065	74	2074	9.42	ug/L #	63
26) methyl tert butyl ether	7.647	73	52311	9.81	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	22282	9.58	ug/L	98
28) di-isopropyl ether	8.339	45	56619	10.39	ug/L	95
29) ethyl tert-butyl ether	8.863	59	56407	10.40	ug/L	99
30) 2-butanone	9.188	72	1599	9.03	ug/L #	65
31) 1,1-dichloroethane	8.365	63	37131	10.27	ug/L	98
32) chloroprene	8.470	53	23697	10.69	ug/L	98
33) acrylonitrile	7.704	53	24987	50.62	ug/L	97
34) vinyl acetate	8.375	86	1677	8.83	ug/L	51
35) ethyl acetate	9.204	45	1751	10.39	ug/L	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	36651	10.55	ug/L		96
37) cis-1,2-dichloroethene	9.204	96	22899	8.72	ug/L		96
38) propionitrile	9.324	54	21633	102.59	ug/L		96
39) methyl acrylate	9.288	55	13812	9.80	ug/L	#	95
40) bromochloromethane	9.545	128	10674	10.36	ug/L		99
41) tetrahydrofuran	9.581	42	4711	10.26	ug/L		94
42) chloroform	9.618	83	37217	9.64	ug/L		100
45) freon 113	6.415	151	20110	11.58	ug/L		96
46) methacrylonitrile	9.503	41	6896	9.93	ug/L		95
47) 1,1,1-trichloroethane	9.859	97	36805	10.67	ug/L		98
48) tert-amyl methyl ether	10.368	73	54954	10.15	ug/L		98
50) epichlorohydrin	12.072	57	6455	51.39	ug/L		99
51) n-butyl alcohol	10.939	56	25342	493.64	ug/L		94
52) cyclohexane	9.906	84	33087	10.49	ug/L		98
53) carbon tetrachloride	10.064	117	33717	10.57	ug/L		97
54) 1,1-dichloropropene	10.048	75	26260	10.45	ug/L		96
55) hexane	8.029	57	21011	10.20	ug/L		98
56) ISOOCTANE	10.305	57	68705	10.28	ug/L		98
57) benzene	10.331	78	76311	8.79	ug/L		98
58) heptane	10.509	57	12870	10.34	ug/L		96
59) isopropyl acetate	10.294	43	35086	10.18	ug/L		99
60) 1,2-dichloroethane	10.378	62	21384	9.89	ug/L		94
61) trichloroethene	11.091	95	20344	10.09	ug/L		98
63) 2-nitropropane	11.935	43	23687	9.75	ug/L		97
64) 2-chloroethyl vinyl ether	11.941	63	35190	52.76	ug/L		96
65) methyl methacrylate	11.291	41	12958	10.69	ug/L		95
66) 1,2-dichloropropane	11.374	63	18271	9.69	ug/L		99
67) methylcyclohexane	11.285	83	33799	10.54	ug/L		97
68) dibromomethane	11.547	93	11464	10.02	ug/L		97
69) bromodichloromethane	11.684	83	24400	9.92	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	27191	10.11	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	5274	9.96	ug/L		99
73) toluene	12.491	92	43115	9.06	ug/L		98
74) 3-methyl-1-butanol	12.297	70	8793	200.63	ug/L		95
75) trans-1,3-dichloropropene	12.722	75	22810	9.64	ug/L		94
76) ethyl methacrylate	12.711	69	15819	9.65	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	12549	10.04	ug/L		99
78) 2-hexanone	13.120	58	4601	9.45	ug/L		99
80) tetrachloroethene	13.078	166	21799	9.80	ug/L		98
81) 1,3-dichloropropane	13.120	76	22055	9.28	ug/L		97
82) butyl acetate	13.189	56	8714	10.13	ug/L		92
83) dibromochloromethane	13.388	129	19062	9.37	ug/L		98
84) 1,2-dibromoethane	13.535	107	15504	9.44	ug/L		100
86) chlorobenzene	14.001	112	53086	9.19	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	21360	9.77	ug/L		99
88) ethylbenzene	14.054	91	90063	9.52	ug/L		99
89) m,p-xylene	14.164	106	70000	18.45	ug/L		99
90) o-xylene	14.599	106	34986	8.65	ug/L		90
91) styrene	14.615	104	54388	9.62	ug/L		100
92) bromoform	14.898	173	13930	9.41	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94) isopropylbenzene	14.945	105	93795	8.70	ug/L		98
96) bromobenzene	15.359	156	26097	9.11	ug/L		99
97) cyclohexanone	15.144	55	31028	80.66	ug/L		99
98) 1,1,2,2-tetrachloroethane	15.291	83	23945	8.89	ug/L		97
99) trans-1,4-dichloro-2-b...	15.328	53	5144	9.87	ug/L	#	79
100) 1,2,3-trichloropropane	15.359	110	5245	9.62	ug/L		97
101) n-propylbenzene	15.364	91	118117	8.80	ug/L		99
102) 2-chlorotoluene	15.511	126	25540	9.25	ug/L		99
103) 4-chlorotoluene	15.616	91	71783	9.08	ug/L		99
104) 1,3,5-trimethylbenzene	15.516	105	83080	8.38	ug/L		99
105) tert-butylbenzene	15.862	119	63295	9.21	ug/L		100
106) pentachloroethane	15.957	167	16048	8.96	ug/L		96
107) 1,2,4-trimethylbenzene	15.910	105	86737	6.81	ug/L		93
108) sec-butylbenzene	16.072	105	113251	9.33	ug/L		99
109) 1,3-dichlorobenzene	16.266	146	55293	9.04	ug/L		100
110) p-isopropyltoluene	16.193	119	95788	9.22	ug/L		100
111) 1,4-dichlorobenzene	16.350	146	55490	8.86	ug/L		100
112) 1,2-dichlorobenzene	16.733	146	54747	9.00	ug/L		98
113) n-butylbenzene	16.596	92	54935	9.26	ug/L		99
114) 1,2-dibromo-3-chloropr...	17.477	75	5124	9.34	ug/L		87
115) 1,3,5-TRICHLOROBENZENE	17.629	180	54926	9.27	ug/L		98
116) 1,2,4-trichlorobenzene	18.211	180	50715	8.95	ug/L		98
117) hexachlorobutadiene	18.300	225	27458	9.49	ug/L		99
118) naphthalene	18.468	128	97024	8.07	ug/L		99
119) 1,2,3-trichlorobenzene	18.694	180	47717	9.01	ug/L		99
120) hexachloroethane	16.964	119	18455	8.68	ug/L		97
121) Benzyl chloride	16.471	91	47981	10.03	ug/L		98

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

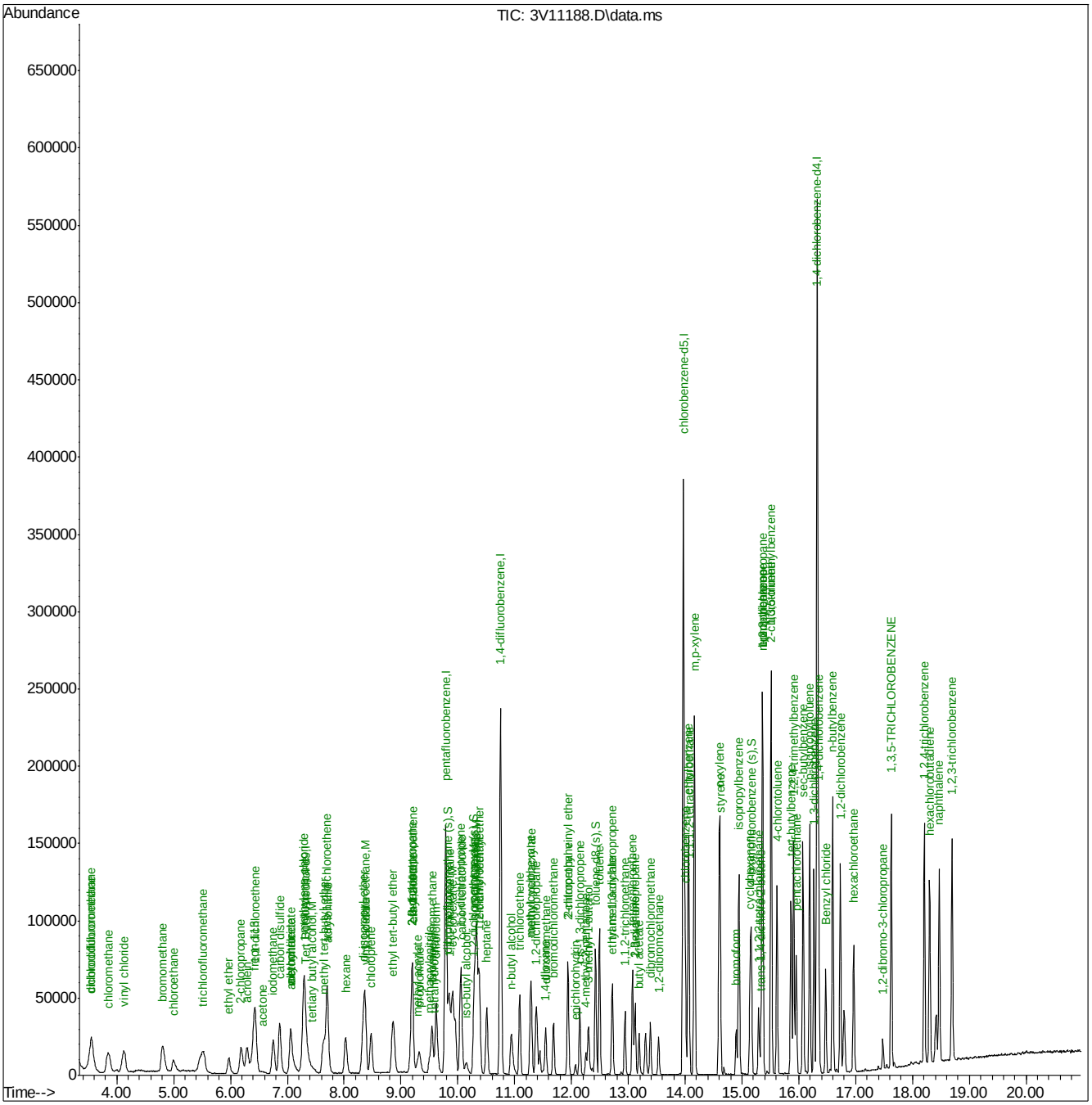
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	101825	500.00	ug/L	#	0.00
5) pentafluorobenzene	9.786	168	153244	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	236365	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	218905	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	143693	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	96313	47.53	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.06%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	86372	49.07	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 98.14%				
71) toluene-d8 (s)	12.423	98	295217	47.86	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 95.72%				
95) 4-bromofluorobenzene (s)	15.165	95	125790	43.46	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 86.92%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.516	88	12398	474.75	ug/L	#	100
4) tertiary butyl alcohol	7.432	59	27305	94.47	ug/L		97
6) chlorodifluoromethane	3.552	51	63978	17.63	ug/L		97
7) dichlorodifluoromethane	3.541	85	84573	23.66	ug/L		99
8) chloromethane	3.856	50	70486	19.38	ug/L		99
9) vinyl chloride	4.128	62	76706	20.73	ug/L		98
10) bromomethane	4.810	94	49730	20.83	ug/L		99
11) chloroethane	4.999	64	26797	22.11	ug/L		93
12) trichlorofluoromethane	5.518	101	86648	22.30	ug/L		99
13) ethyl ether	5.974	74	17101	22.58	ug/L		92
14) 2-chloropropane	6.184	43	62155	21.09	ug/L		97
15) acrolein	6.294	56	66185	218.85	ug/L		100
16) 1,1-dichloroethene	6.435	96	43860	20.38	ug/L		96
17) acetone	6.545	43	13274	23.37	ug/L		98
18) allyl chloride	7.059	76	20524	22.45	ug/L		98
19) acetonitrile	7.070	40	29229	247.51	ug/L		87
20) iodomethane	6.745	142	94946	21.32	ug/L		99
21) iso-butyl alcohol	10.147	41	13554	243.34	ug/L		91
22) carbon disulfide	6.865	76	168603	20.40	ug/L		98
23) methylene chloride	7.285	84	48641	18.42	ug/L		96
24) 1-chloropropane	7.306	42	69274	21.60	ug/L		97
25) methyl acetate	7.054	74	4846	22.38	ug/L	#	86
26) methyl tert butyl ether	7.641	73	113736	21.70	ug/L		97
27) trans-1,2-dichloroethene	7.699	96	45526	19.91	ug/L		96
28) di-isopropyl ether	8.339	45	109546	20.46	ug/L		99
29) ethyl tert-butyl ether	8.863	59	111490	20.90	ug/L		98
30) 2-butanone	9.188	72	4067	23.36	ug/L		99
31) 1,1-dichloroethane	8.365	63	75871	21.34	ug/L		99
32) chloroprene	8.470	53	47145	21.63	ug/L		97
33) acrylonitrile	7.704	53	57776	119.08	ug/L		98
34) vinyl acetate	8.370	86	4096	21.94	ug/L		73
35) ethyl acetate	9.198	45	3736	22.55	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	74654	21.86	ug/L		98
37) cis-1,2-dichloroethene	9.198	96	49493	19.16	ug/L		98
38) propionitrile	9.319	54	50012	241.29	ug/L		99
39) methyl acrylate	9.288	55	32145	23.20	ug/L	#	98
40) bromochloromethane	9.544	128	23265	22.98	ug/L		96
41) tetrahydrofuran	9.576	42	10457	23.16	ug/L		97
42) chloroform	9.618	83	76094	20.06	ug/L		100
45) freon 113	6.414	151	37795	22.14	ug/L		95
46) methacrylonitrile	9.497	41	15856	23.23	ug/L		93
47) 1,1,1-trichloroethane	9.854	97	74634	22.00	ug/L		99
48) tert-amyl methyl ether	10.373	73	109891	20.65	ug/L		99
50) epichlorohydrin	12.066	57	14037	112.11	ug/L		97
51) n-butyl alcohol	10.939	56	61873	1209.14	ug/L		96
52) cyclohexane	9.912	84	67574	21.49	ug/L		98
53) carbon tetrachloride	10.064	117	68473	21.53	ug/L		99
54) 1,1-dichloropropene	10.048	75	53407	21.31	ug/L		100
55) hexane	8.029	57	40507	19.73	ug/L		98
56) ISOOCTANE	10.310	57	136480	20.49	ug/L		97
57) benzene	10.331	78	156348	18.06	ug/L		99
58) heptane	10.509	57	26270	21.17	ug/L		95
59) isopropyl acetate	10.294	43	73081	21.28	ug/L		98
60) 1,2-dichloroethane	10.378	62	45879	21.29	ug/L		98
61) trichloroethene	11.091	95	41992	20.90	ug/L		100
63) 2-nitropropane	11.935	43	51321	21.18	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	74973	112.78	ug/L		99
65) methyl methacrylate	11.290	41	25143	20.82	ug/L		100
66) 1,2-dichloropropane	11.374	63	38863	20.67	ug/L		99
67) methylcyclohexane	11.285	83	65392	20.46	ug/L		97
68) dibromomethane	11.542	93	24841	21.79	ug/L		95
69) bromodichloromethane	11.684	83	51386	20.96	ug/L		96
70) cis-1,3-dichloropropene	12.145	75	57692	21.51	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	12565	23.81	ug/L		99
73) toluene	12.496	92	88809	18.72	ug/L		97
74) 3-methyl-1-butanol	12.297	70	21462	491.27	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	50682	21.49	ug/L		97
76) ethyl methacrylate	12.711	69	36667	22.44	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	26702	21.43	ug/L		96
78) 2-hexanone	13.115	58	11416	23.53	ug/L		99
80) tetrachloroethene	13.078	166	44992	20.82	ug/L		99
81) 1,3-dichloropropane	13.120	76	46951	20.34	ug/L		97
82) butyl acetate	13.188	56	20040	23.97	ug/L		99
83) dibromochloromethane	13.388	129	41409	20.95	ug/L		99
84) 1,2-dibromoethane	13.534	107	34083	21.35	ug/L		100
86) chlorobenzene	14.001	112	108771	19.37	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	44511	20.95	ug/L		98
88) ethylbenzene	14.054	91	184421	20.06	ug/L		99
89) m,p-xylene	14.164	106	143132	38.83	ug/L		97
90) o-xylene	14.599	106	73343	18.66	ug/L		95
91) styrene	14.615	104	114969	20.93	ug/L		99
92) bromoform	14.898	173	31213	21.71	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

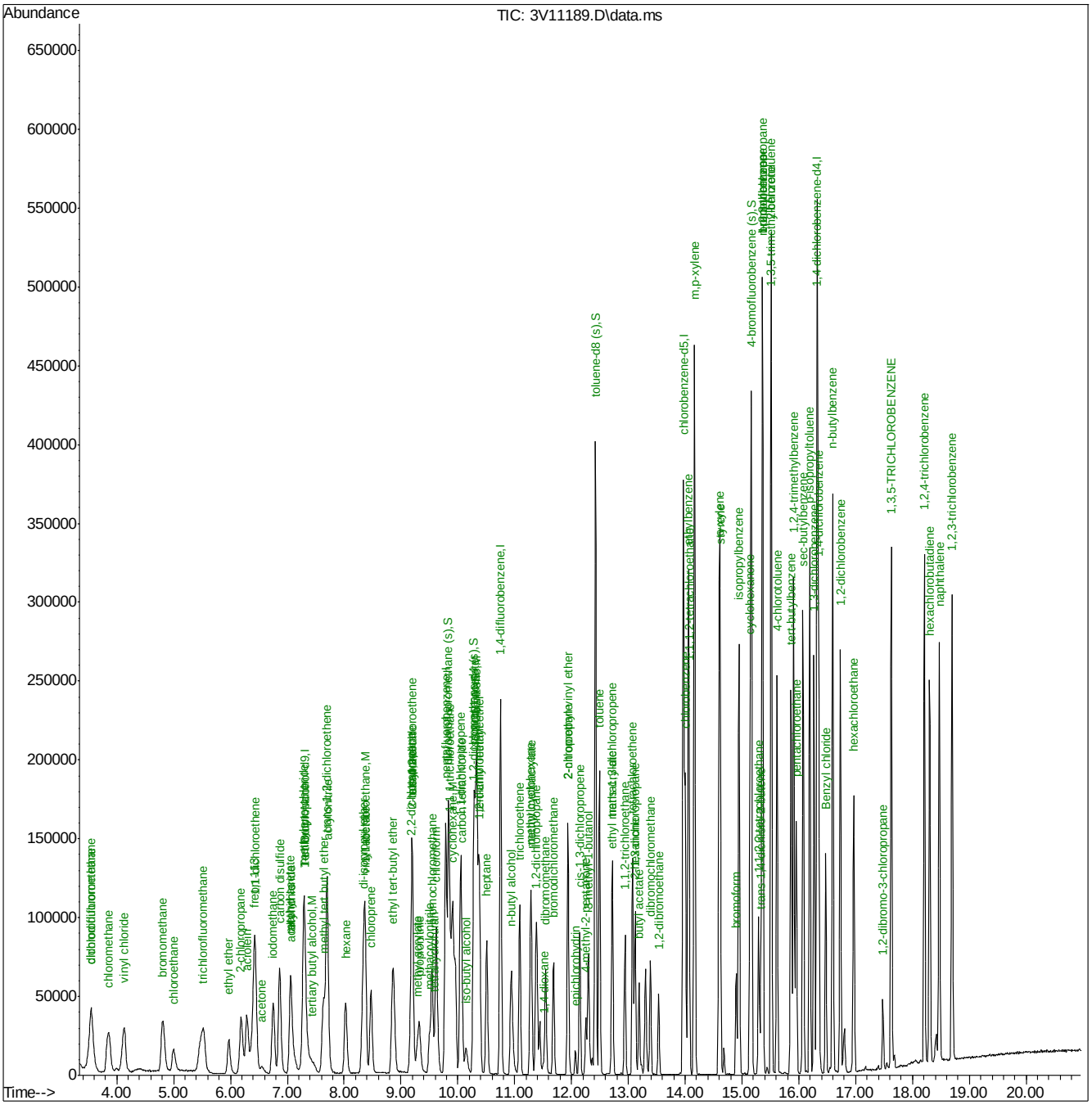
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	198743	19.00	ug/L	100
96) bromobenzene	15.359	156	53803	19.37	ug/L	98
97) cyclohexanone	15.144	55	92458	247.74	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	53202	20.35	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	11446	22.64	ug/L	94
100) 1,2,3-trichloropropane	15.359	110	11537	21.81	ug/L	91
101) n-propylbenzene	15.364	91	237095	18.20	ug/L	100
102) 2-chlorotoluene	15.511	126	52146	19.47	ug/L	98
103) 4-chlorotoluene	15.616	91	144997	18.90	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	171798	17.86	ug/L	100
105) tert-butylbenzene	15.862	119	133417	20.01	ug/L	99
106) pentachloroethane	15.957	167	34581	19.91	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	176981	14.32	ug/L	95
108) sec-butylbenzene	16.072	105	233339	19.82	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	112486	18.96	ug/L	99
110) p-isopropyltoluene	16.193	119	198047	19.66	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	112570	18.52	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	111330	18.86	ug/L	99
113) n-butylbenzene	16.596	92	113360	19.69	ug/L	98
114) 1,2-dibromo-3-chloropr...	17.477	75	11071	20.81	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.629	180	111106	19.33	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	103166	18.77	ug/L	99
117) hexachlorobutadiene	18.300	225	54654	19.47	ug/L	99
118) naphthalene	18.473	128	211212	18.12	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	97885	19.05	ug/L	99
120) hexachloroethane	16.969	119	38094	18.46	ug/L	99
121) Benzyl chloride	16.471	91	98186	21.15	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



M3V474.M Thu May 29 13:14:42 2014 GCMS3V Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	83422	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	152902	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	230123	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	215268	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	139827	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	94725	46.85	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.70%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	82748	47.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.24%			
71) toluene-d8 (s)	12.418	98	292220	48.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 97.32%			
95) 4-bromofluorobenzene (s)	15.165	95	120199	42.67	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 85.34%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	27764	1297.69	ug/L #	99
4) tertiary butyl alcohol	7.453	59	56442	238.36	ug/L	98
6) chlorodifluoromethane	3.546	51	150643	41.60	ug/L	97
7) dichlorodifluoromethane	3.536	85	211391	59.27	ug/L	98
8) chloromethane	3.851	50	178797	49.28	ug/L	100
9) vinyl chloride	4.123	62	195973	53.08	ug/L	100
10) bromomethane	4.805	94	120861	50.73	ug/L	98
11) chloroethane	4.988	64	63781	52.75	ug/L	98
12) trichlorofluoromethane	5.513	101	211812	54.63	ug/L	99
13) ethyl ether	5.964	74	38876	51.45	ug/L	97
14) 2-chloropropane	6.178	43	148778	50.59	ug/L	100
15) acrolein	6.283	56	139386	461.94	ug/L	97
16) 1,1-dichloroethene	6.430	96	102517	47.74	ug/L	95
17) acetone	6.540	43	23176	40.90	ug/L	92
18) allyl chloride	7.054	76	46885	51.39	ug/L	97
19) acetonitrile	7.065	40	64822	550.13	ug/L	100
20) iodomethane	6.745	142	225803	50.82	ug/L	99
21) iso-butyl alcohol	10.147	41	27321	491.60	ug/L	98
22) carbon disulfide	6.860	76	401586	48.71	ug/L	100
23) methylene chloride	7.285	84	112190	42.59	ug/L	96
24) 1-chloropropane	7.300	42	143374	44.81	ug/L	100
25) methyl acetate	7.054	74	10866	50.30	ug/L	93
26) methyl tert butyl ether	7.636	73	261160	49.93	ug/L	99
27) trans-1,2-dichloroethene	7.694	96	106627	46.74	ug/L	99
28) di-isopropyl ether	8.333	45	276431	51.74	ug/L	96
29) ethyl tert-butyl ether	8.858	59	282898	53.16	ug/L	99
30) 2-butanone	9.178	72	8405	48.38	ug/L	95
31) 1,1-dichloroethane	8.365	63	176484	49.75	ug/L	99
32) chloroprene	8.470	53	119462	54.94	ug/L	99
33) acrylonitrile	7.699	53	123070	254.23	ug/L	98
34) vinyl acetate	8.370	86	10031	53.86	ug/L	80
35) ethyl acetate	9.204	45	8176	49.45	ug/L	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	180135	52.86	ug/L		99
37) cis-1,2-dichloroethene	9.198	96	114842	44.57	ug/L		97
38) propionitrile	9.324	54	104904	507.25	ug/L		91
39) methyl acrylate	9.282	55	68924	49.85	ug/L	#	100
40) bromochloromethane	9.544	128	53786	53.25	ug/L		98
41) tetrahydrofuran	9.571	42	22131	49.12	ug/L		97
42) chloroform	9.613	83	180327	47.63	ug/L		100
45) freon 113	6.404	151	95209	55.90	ug/L		97
46) methacrylonitrile	9.497	41	34747	51.03	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	180731	53.40	ug/L		99
48) tert-amyl methyl ether	10.373	73	272269	51.28	ug/L		98
50) epichlorohydrin	12.066	57	31545	258.78	ug/L		98
51) n-butyl alcohol	10.939	56	132246	2654.49	ug/L		99
52) cyclohexane	9.906	84	159965	52.25	ug/L		96
53) carbon tetrachloride	10.064	117	165915	53.59	ug/L		99
54) 1,1-dichloropropene	10.048	75	127592	52.30	ug/L		100
55) hexane	8.024	57	98336	49.19	ug/L		98
56) ISOOCTANE	10.310	57	364727	56.25	ug/L		100
57) benzene	10.331	78	370529	43.97	ug/L		99
58) heptane	10.509	57	62440	51.68	ug/L		97
59) isopropyl acetate	10.294	43	172351	51.55	ug/L		99
60) 1,2-dichloroethane	10.378	62	106182	50.60	ug/L		99
61) trichloroethene	11.086	95	99668	50.96	ug/L		97
63) 2-nitropropane	11.935	43	120010	50.88	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	179460	277.28	ug/L		100
65) methyl methacrylate	11.285	41	62536	53.18	ug/L		95
66) 1,2-dichloropropane	11.374	63	91371	49.91	ug/L		98
67) methylcyclohexane	11.285	83	168640	54.20	ug/L		100
68) dibromomethane	11.542	93	57461	51.78	ug/L		99
69) bromodichloromethane	11.684	83	123623	51.80	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	138282	52.96	ug/L		100
72) 4-methyl-2-pentanone	12.250	58	26873	52.31	ug/L		100
73) toluene	12.491	92	212115	45.91	ug/L		99
74) 3-methyl-1-butanol	12.297	70	47127	1108.02	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	118390	51.56	ug/L		97
76) ethyl methacrylate	12.711	69	83281	52.34	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	62298	51.36	ug/L		99
78) 2-hexanone	13.115	58	23569	49.89	ug/L		99
80) tetrachloroethene	13.078	166	105219	49.52	ug/L		97
81) 1,3-dichloropropane	13.120	76	107261	47.24	ug/L		100
82) butyl acetate	13.188	56	42089	51.20	ug/L		97
83) dibromochloromethane	13.388	129	98691	50.78	ug/L		97
84) 1,2-dibromoethane	13.534	107	77319	49.26	ug/L		97
86) chlorobenzene	14.001	112	256507	46.46	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	108773	52.07	ug/L		99
88) ethylbenzene	14.054	91	439509	48.62	ug/L		98
89) m,p-xylene	14.164	106	341999	94.35	ug/L		99
90) o-xylene	14.599	106	178478	46.18	ug/L		100
91) styrene	14.615	104	276737	51.23	ug/L		99
92) bromoform	14.898	173	71807	50.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

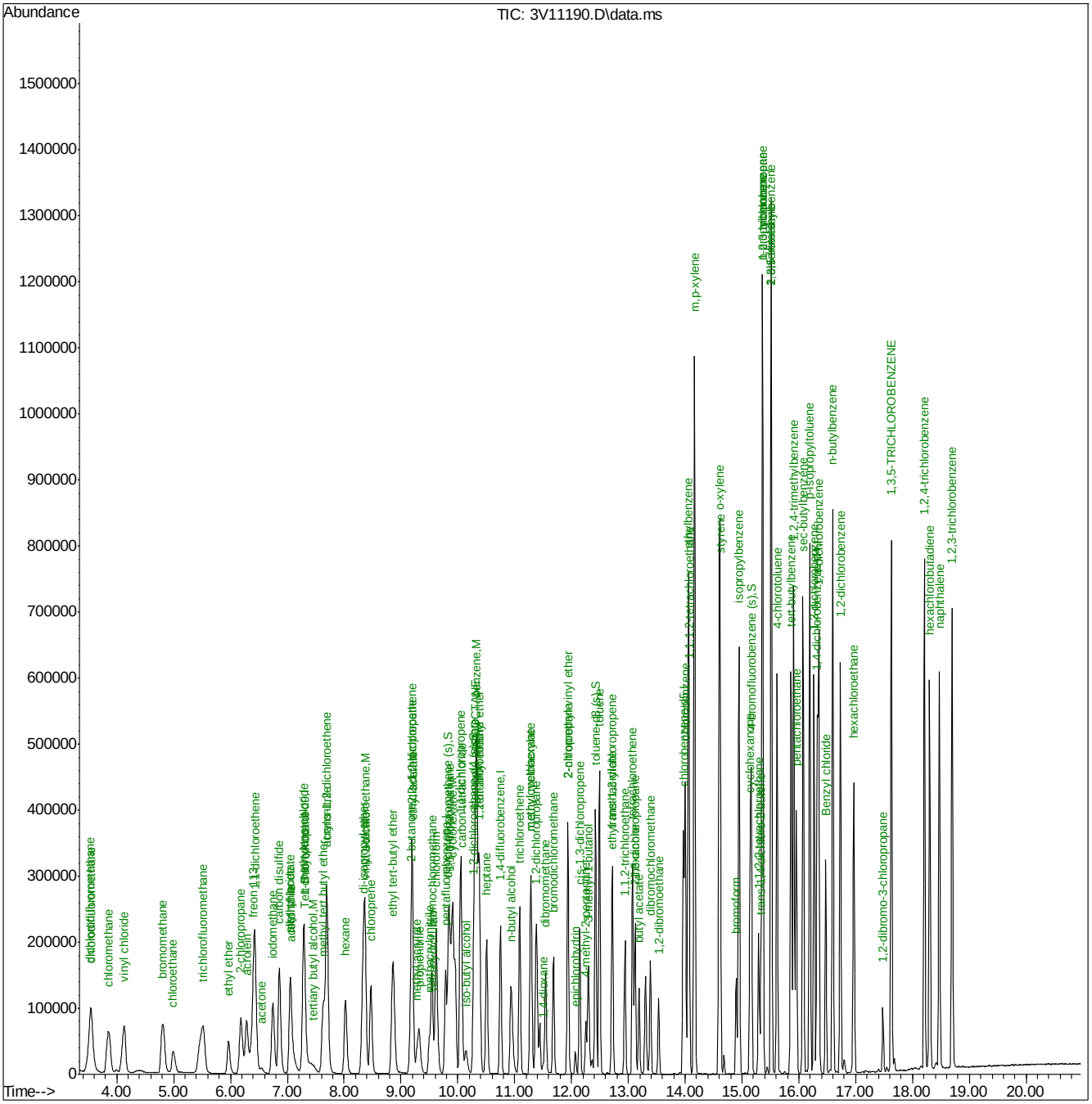
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	479873	47.15	ug/L	99
96) bromobenzene	15.359	156	126808	46.91	ug/L	98
97) cyclohexanone	15.144	55	148904	410.02	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	118022	46.40	ug/L	100
99) trans-1,4-dichloro-2-b...	15.333	53	25177	51.19	ug/L	98
100) 1,2,3-trichloropropane	15.364	110	25274	49.09	ug/L	98
101) n-propylbenzene	15.364	91	571504	45.09	ug/L	100
102) 2-chlorotoluene	15.516	126	125136	48.02	ug/L	99
103) 4-chlorotoluene	15.616	91	341405	45.72	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	420702	44.95	ug/L	99
105) tert-butylbenzene	15.862	119	331962	51.17	ug/L	98
106) pentachloroethane	15.957	167	87038	51.49	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	423347	35.20	ug/L	99
108) sec-butylbenzene	16.072	105	571696	49.90	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	264421	45.81	ug/L	99
110) p-isopropyltoluene	16.193	119	484209	49.39	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	264737	44.76	ug/L	100
112) 1,2-dichlorobenzene	16.733	146	258683	45.03	ug/L	99
113) n-butylbenzene	16.596	92	265229	47.34	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	24116	46.59	ug/L	98
115) 1,3,5-TRICHLOROBENZENE	17.629	180	266886	47.71	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	249673	46.67	ug/L	98
117) hexachlorobutadiene	18.300	225	134286	49.16	ug/L	98
118) naphthalene	18.473	128	482009	42.49	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	234821	46.96	ug/L	99
120) hexachloroethane	16.969	119	97991	48.80	ug/L	100
121) Benzyl chloride	16.471	91	230452	51.01	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	87890	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	161098	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	245102	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	227268	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	146728	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	201051	94.38	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 188.76%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	174532	94.33	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 188.66%#			
71) toluene-d8 (s)	12.418	98	611951	95.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 191.36%#			
95) 4-bromofluorobenzene (s)	15.165	95	246249	83.31	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 166.62%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	61261	2717.77	ug/L	98
4) tertiary butyl alcohol	7.432	59	120890	484.58	ug/L	97
6) chlorodifluoromethane	3.552	51	302745	79.35	ug/L	98
7) dichlorodifluoromethane	3.541	85	440459	117.21	ug/L	98
8) chloromethane	3.872	50	400885	104.87	ug/L	98
9) vinyl chloride	4.134	62	428711	110.21	ug/L	100
10) bromomethane	4.821	94	247908	98.77	ug/L	100
11) chloroethane	4.999	64	135789	106.60	ug/L	97
12) trichlorofluoromethane	5.513	101	458181	112.15	ug/L	100
13) ethyl ether	5.969	74	85189	107.01	ug/L	99
14) 2-chloropropane	6.189	43	310326	100.16	ug/L	99
16) 1,1-dichloroethene	6.435	96	214287	94.72	ug/L	98
17) acetone	6.546	43	49210	82.43	ug/L	94
18) allyl chloride	7.059	76	98871	102.86	ug/L	97
19) acetonitrile	7.065	40	136826	1102.13	ug/L	95
20) iodomethane	6.750	142	478507	102.21	ug/L	99
21) iso-butyl alcohol	10.148	41	58867	1005.34	ug/L	96
22) carbon disulfide	6.865	76	839491	96.64	ug/L	100
23) methylene chloride	7.285	84	238284	85.85	ug/L	96
24) 1-chloropropane	7.306	42	298007	88.41	ug/L	100
25) methyl acetate	7.065	74	23736	104.29	ug/L	98
26) methyl tert butyl ether	7.647	73	559357	101.50	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	223397	92.95	ug/L	97
28) di-isopropyl ether	8.333	45	595902	105.86	ug/L	97
29) ethyl tert-butyl ether	8.863	59	620825	110.73	ug/L	99
30) 2-butanone	9.183	72	19036	104.01	ug/L	98
31) 1,1-dichloroethane	8.365	63	374568	100.22	ug/L	100
32) chloroprene	8.475	53	260368	113.66	ug/L	98
33) acrylonitrile	7.699	53	261606	512.91	ug/L	99
34) vinyl acetate	8.370	86	22764	116.01	ug/L	88
35) ethyl acetate	9.199	45	18193	104.44	ug/L	92
36) 2,2-dichloropropane	9.188	77	373094	103.91	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	9.199	96	242334	89.26	ug/L		99
38) propionitrile	9.319	54	221264	1015.46	ug/L		95
39) methyl acrylate	9.282	55	149702	102.76	ug/L	#	99
40) bromochloromethane	9.545	128	117156	110.09	ug/L		96
41) tetrahydrofuran	9.571	42	47174	99.38	ug/L		99
42) chloroform	9.618	83	380030	95.28	ug/L		99
45) freon 113	6.414	151	205169	114.34	ug/L		98
46) methacrylonitrile	9.497	41	74594	103.98	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	377932	105.98	ug/L		98
48) tert-amyl methyl ether	10.373	73	605820	108.31	ug/L		98
50) epichlorohydrin	12.066	57	68306	526.10	ug/L		97
51) n-butyl alcohol	10.939	56	291771	5498.63	ug/L		98
52) cyclohexane	9.906	84	340304	104.37	ug/L		100
53) carbon tetrachloride	10.064	117	348260	105.61	ug/L		100
54) 1,1-dichloropropene	10.048	75	270769	104.20	ug/L		99
55) hexane	8.024	57	216088	101.49	ug/L		98
56) ISOOCTANE	10.315	57	826986	119.75	ug/L		99
57) benzene	10.331	78	788340	87.84	ug/L		100
58) heptane	10.509	57	135352	105.19	ug/L		98
59) isopropyl acetate	10.294	43	374606	105.20	ug/L		99
60) 1,2-dichloroethane	10.378	62	228189	102.10	ug/L		99
61) trichloroethene	11.091	95	211487	101.52	ug/L		99
63) 2-nitropropane	11.935	43	260717	103.79	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	391705	568.23	ug/L		100
65) methyl methacrylate	11.285	41	134089	107.05	ug/L		95
66) 1,2-dichloropropane	11.374	63	192734	98.84	ug/L		99
67) methylcyclohexane	11.285	83	367131	110.79	ug/L		100
68) dibromomethane	11.542	93	123354	104.36	ug/L		100
69) bromodichloromethane	11.684	83	264983	104.24	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	295117	106.12	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	58152	106.28	ug/L		98
73) toluene	12.496	92	446644	90.77	ug/L		100
74) 3-methyl-1-butanol	12.297	70	103594	2286.78	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	250898	102.58	ug/L		98
76) ethyl methacrylate	12.711	69	181816	107.28	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	130885	101.30	ug/L		99
78) 2-hexanone	13.115	58	50657	100.68	ug/L		94
80) tetrachloroethene	13.078	166	227663	101.48	ug/L		99
81) 1,3-dichloropropane	13.120	76	224782	93.77	ug/L		99
82) butyl acetate	13.188	56	88891	102.42	ug/L		97
83) dibromochloromethane	13.388	129	215244	104.91	ug/L		98
84) 1,2-dibromoethane	13.535	107	165005	99.57	ug/L		98
86) chlorobenzene	14.001	112	541209	92.85	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	235342	106.71	ug/L		99
88) ethylbenzene	14.054	91	913703	95.75	ug/L		99
89) m,p-xylene	14.164	106	707231	184.80	ug/L		100
90) o-xylene	14.599	106	374954	91.89	ug/L		99
91) styrene	14.615	104	581263	101.93	ug/L		99
92) bromoform	14.898	173	156350	104.72	ug/L		99
94) isopropylbenzene	14.950	105	1015523	95.09	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

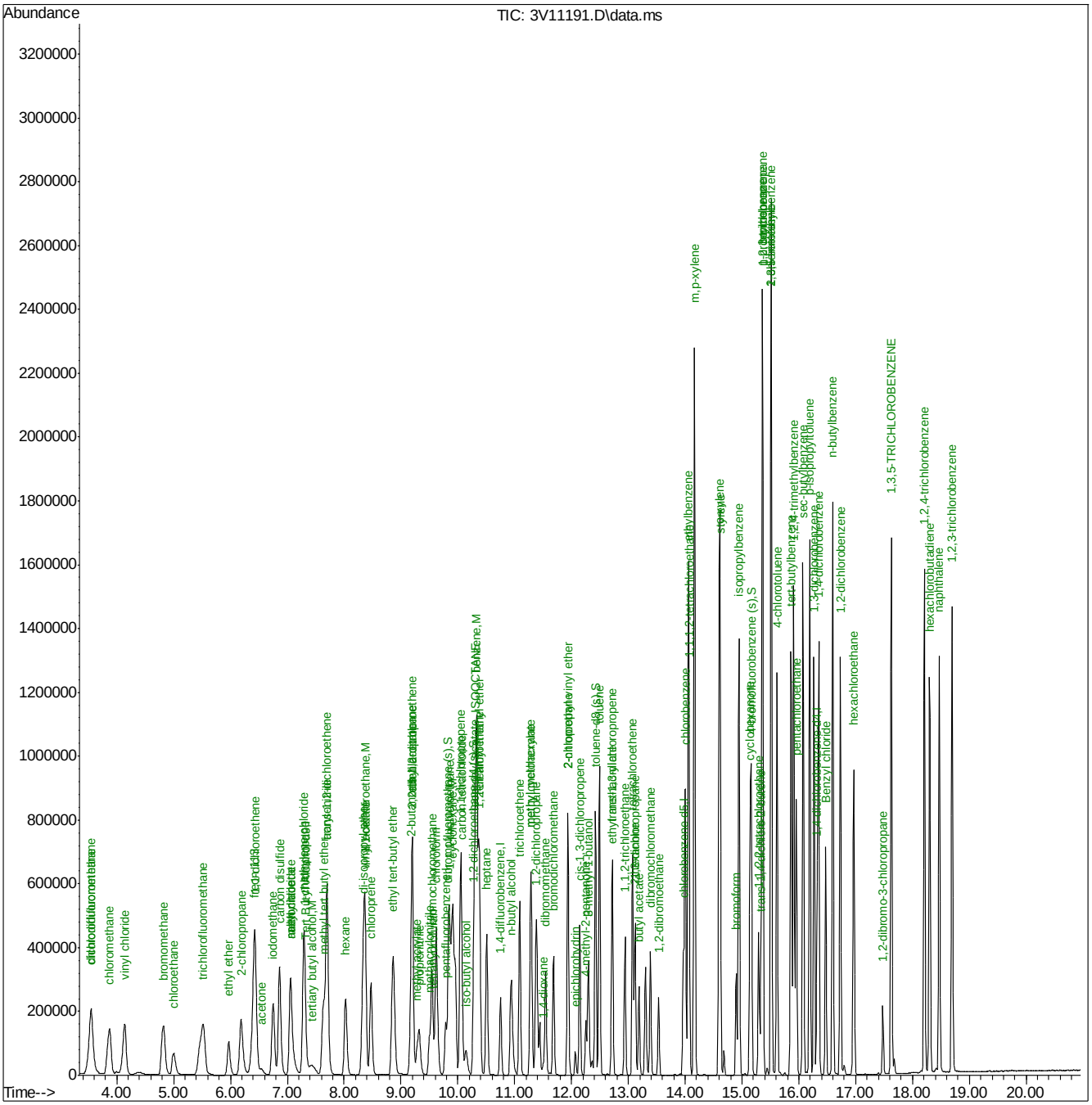
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	265833	93.70	ug/L	98
97)	cyclohexanone	15.144	55	344172	903.13	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	247154	92.60	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	53630	103.90	ug/L	100
100)	1,2,3-trichloropropane	15.364	110	52209	96.64	ug/L	98
101)	n-propylbenzene	15.364	91	1174901	88.34	ug/L	100
102)	2-chlorotoluene	15.516	126	259341	94.85	ug/L	96
103)	4-chlorotoluene	15.616	91	713434	91.05	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	898163	91.45	ug/L	99
105)	tert-butylbenzene	15.862	119	728162	106.96	ug/L	98
106)	pentachloroethane	15.957	167	190005	107.12	ug/L	98
107)	1,2,4-trimethylbenzene	15.910	105	892897	70.75	ug/L	100
108)	sec-butylbenzene	16.072	105	1229242	102.25	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	555296	91.68	ug/L	99
110)	p-isopropyltoluene	16.193	119	1019628	99.12	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	558653	90.00	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	553481	91.82	ug/L	100
113)	n-butylbenzene	16.596	92	563199	95.79	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.477	75	51494	94.79	ug/L	97
115)	1,3,5-TRICHLOROBENZENE	17.629	180	564633	96.18	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	528349	94.12	ug/L	99
117)	hexachlorobutadiene	18.300	225	289340	100.95	ug/L	99
118)	naphthalene	18.468	128	1037769	87.18	ug/L	100
119)	1,2,3-trichlorobenzene	18.694	180	493208	93.99	ug/L	99
120)	hexachloroethane	16.969	119	221488	105.11	ug/L	99
121)	Benzyl chloride	16.471	91	501621	105.82	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	95252	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	176689	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	271465	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	257214	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	159325	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.838	113	455472	194.94	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 389.88%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	388372	191.38	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 382.76%#			
71) toluene-d8 (s)	12.423	98	1383078	195.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 390.50%#			
95) 4-bromofluorobenzene (s)	15.165	95	555030	172.93	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 345.86%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	122829	5028.00	ug/L	98
4) tertiary butyl alcohol	7.432	59	243320	899.94	ug/L	95
6) chlorodifluoromethane	3.557	51	622973	148.88	ug/L	98
7) dichlorodifluoromethane	3.536	85	942009	228.55	ug/L	98
8) chloromethane	3.882	50	929110	221.61	ug/L	99
9) vinyl chloride	4.144	62	981699	230.09	ug/L	99
10) bromomethane	4.826	94	499925	181.60	ug/L	100
11) chloroethane	5.004	64	265552	190.07	ug/L	98
12) trichlorofluoromethane	5.518	101	1001629	223.54	ug/L	99
13) ethyl ether	5.969	74	190214	217.86	ug/L	97
14) 2-chloropropane	6.189	43	672734	197.96	ug/L	99
16) 1,1-dichloroethene	6.435	96	463885	186.95	ug/L	96
17) acetone	6.546	43	116789	178.37	ug/L	91
18) allyl chloride	7.054	76	213332	202.36	ug/L	98
19) acetonitrile	7.070	40	275206	2021.17	ug/L	97
20) iodomethane	6.750	142	1056962	205.86	ug/L	99
21) iso-butyl alcohol	10.148	41	126378	1967.85	ug/L	98
22) carbon disulfide	6.865	76	1818526	190.86	ug/L	99
23) methylene chloride	7.290	84	526481	172.95	ug/L	97
24) 1-chloropropane	7.306	42	631208	170.73	ug/L	99
25) methyl acetate	7.059	74	48906	195.92	ug/L	100
26) methyl tert butyl ether	7.647	73	1242001	205.48	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	482414	183.00	ug/L	97
28) di-isopropyl ether	8.339	45	1291666	209.21	ug/L	99
29) ethyl tert-butyl ether	8.863	59	1358609	220.94	ug/L	99
30) 2-butanone	9.183	72	43129	214.85	ug/L	84
31) 1,1-dichloroethane	8.365	63	818562	199.69	ug/L	99
32) chloroprene	8.475	53	544625	216.77	ug/L	97
33) acrylonitrile	7.699	53	555224	992.52	ug/L	99
34) vinyl acetate	8.370	86	47795	222.09	ug/L	95
35) ethyl acetate	9.199	45	36666	191.92	ug/L	74
36) 2,2-dichloropropane	9.188	77	816645	207.37	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	9.199	96	538565	180.86	ug/L		99
38) propionitrile	9.324	54	474762	1986.59	ug/L		92
39) methyl acrylate	9.282	55	323282	202.33	ug/L	#	100
40) bromochloromethane	9.545	128	259023	221.92	ug/L		97
41) tetrahydrofuran	9.571	42	98205	188.62	ug/L		97
42) chloroform	9.618	83	849121	194.10	ug/L		99
45) freon 113	6.415	151	415815	211.28	ug/L		98
46) methacrylonitrile	9.503	41	162136	206.06	ug/L		99
47) 1,1,1-trichloroethane	9.859	97	822910	210.40	ug/L		99
48) tert-amyl methyl ether	10.373	73	1331416	217.02	ug/L		99
50) epichlorohydrin	12.066	57	145516	1011.94	ug/L		98
51) n-butyl alcohol	10.939	56	599197	10195.65	ug/L		97
52) cyclohexane	9.912	84	737777	204.30	ug/L		97
53) carbon tetrachloride	10.064	117	753122	206.20	ug/L		99
54) 1,1-dichloropropene	10.048	75	597637	207.66	ug/L		100
55) hexane	8.024	57	441220	187.11	ug/L		97
56) ISOOCTANE	10.315	57	1796210	234.84	ug/L		99
57) benzene	10.331	78	1755044	176.56	ug/L		100
58) heptane	10.509	57	279060	195.81	ug/L		98
59) isopropyl acetate	10.294	43	782185	198.32	ug/L		100
60) 1,2-dichloroethane	10.378	62	503992	203.61	ug/L		99
61) trichloroethene	11.091	95	468452	203.03	ug/L		99
63) 2-nitropropane	11.935	43	554107	199.16	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	838227	1097.89	ug/L		99
65) methyl methacrylate	11.291	41	278426	200.70	ug/L		92
66) 1,2-dichloropropane	11.374	63	437870	202.75	ug/L		99
67) methylcyclohexane	11.291	83	767965	209.24	ug/L		99
68) dibromomethane	11.542	93	272419	208.09	ug/L		99
69) bromodichloromethane	11.684	83	601259	213.57	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	679980	220.77	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	125538	207.15	ug/L		99
73) toluene	12.496	92	1009670	185.27	ug/L		100
74) 3-methyl-1-butanol	12.297	70	214736	4279.85	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	573058	211.55	ug/L		98
76) ethyl methacrylate	12.711	69	409505	218.16	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	301090	210.41	ug/L		99
78) 2-hexanone	13.115	58	118777	213.15	ug/L		93
80) tetrachloroethene	13.078	166	503789	198.42	ug/L		98
81) 1,3-dichloropropane	13.120	76	519340	191.43	ug/L		99
82) butyl acetate	13.188	56	186723	190.09	ug/L		100
83) dibromochloromethane	13.388	129	493353	212.47	ug/L		97
84) 1,2-dibromoethane	13.535	107	374051	199.44	ug/L		98
86) chlorobenzene	14.001	112	1226795	185.97	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	546084	218.78	ug/L		99
88) ethylbenzene	14.054	91	2089740	193.49	ug/L		100
89) m,p-xylene	14.164	106	1583853	365.69	ug/L		96
90) o-xylene	14.599	106	855931	185.34	ug/L		98
91) styrene	14.615	104	1313921	203.58	ug/L		100
92) bromoform	14.898	173	353502	209.21	ug/L		99
94) isopropylbenzene	14.950	105	2307136	198.95	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

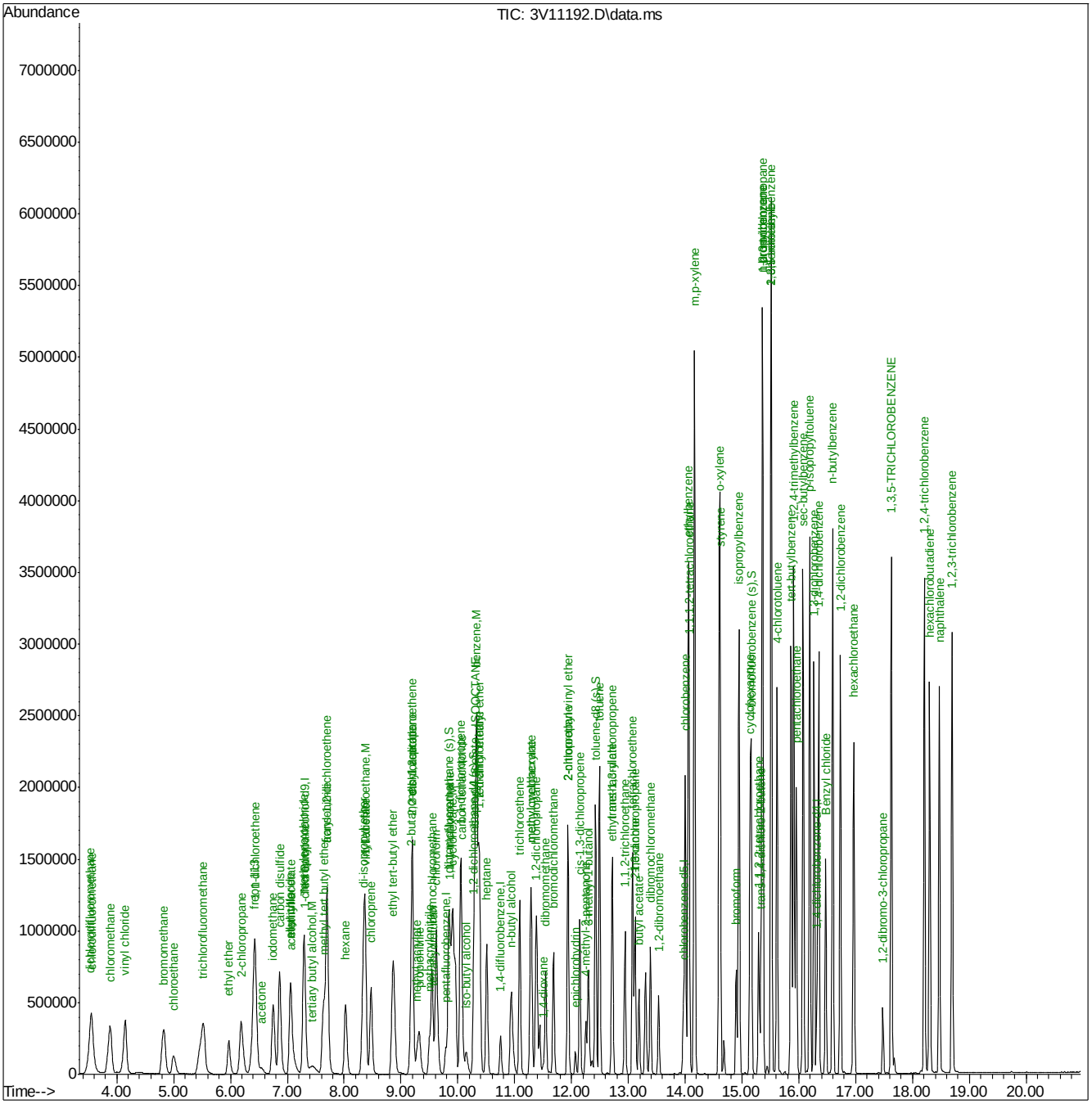
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	593579	192.69	ug/L	100
97)	cyclohexanone	15.144	55	858508	2074.67	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	556603	192.05	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	121307	216.44	ug/L	99
100)	1,2,3-trichloropropane	15.364	110	113885	194.13	ug/L	95
101)	n-propylbenzene	15.364	91	2587967	179.21	ug/L	99
102)	2-chlorotoluene	15.516	126	573214	193.07	ug/L	95
103)	4-chlorotoluene	15.616	91	1592047	187.11	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	2044182	191.69	ug/L	99
105)	tert-butylbenzene	15.862	119	1653757	223.72	ug/L	98
106)	pentachloroethane	15.957	167	441224	229.09	ug/L	97
107)	1,2,4-trimethylbenzene	15.910	105	2000846	146.00	ug/L	100
108)	sec-butylbenzene	16.077	105	2749372	210.62	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	1218037	185.20	ug/L	99
110)	p-isopropyltoluene	16.193	119	2267597	203.00	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	1208826	179.35	ug/L	100
112)	1,2-dichlorobenzene	16.733	146	1229733	187.88	ug/L	100
113)	n-butylbenzene	16.596	92	1210095	189.55	ug/L	100
114)	1,2-dibromo-3-chloropr...	17.477	75	111934	189.77	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.629	180	1215099	190.62	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	1123662	184.34	ug/L	100
117)	hexachlorobutadiene	18.300	225	621549	199.71	ug/L	99
118)	naphthalene	18.473	128	2162096	167.27	ug/L	100
119)	1,2,3-trichlorobenzene	18.694	180	1040811	182.67	ug/L	100
120)	hexachloroethane	16.969	119	530913	232.02	ug/L	100
121)	Benzyl chloride	16.471	91	1078567	209.54	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	87793	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	164759	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	249473	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	234639	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	152516	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	96963	46.51	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.02%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	84449	46.27	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.54%			
71) toluene-d8 (s)	12.423	98	298354	48.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 96.58%			
95) 4-bromofluorobenzene (s)	15.165	95	123408	46.15	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 92.30%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	30823	1377.42	ug/L #	98
4) tertiary butyl alcohol	7.437	59	60753	258.35	ug/L	94
6) chlorodifluoromethane	3.552	51	128486	39.67	ug/L	98
7) dichlorodifluoromethane	3.536	85	227686	52.02	ug/L	100
8) chloromethane	3.866	50	196032	52.04	ug/L	99
9) vinyl chloride	4.129	62	214682	52.94	ug/L	97
10) bromomethane	4.815	94	126333	49.07	ug/L	99
11) chloroethane	4.994	64	68963	51.53	ug/L	100
12) trichlorofluoromethane	5.513	101	233472	52.30	ug/L	100
13) ethyl ether	5.964	74	42268	51.04	ug/L	97
14) 2-chloropropane	6.189	43	153693	48.04	ug/L	100
15) acrolein	6.289	56	159795	482.48	ug/L	98
16) 1,1-dichloroethene	6.436	96	106131	47.58	ug/L	97
17) acetone	6.546	43	20853	35.76	ug/L	93
18) allyl chloride	7.054	76	55718	54.64	ug/L	95
19) acetonitrile	7.065	40	71418	495.73	ug/L	92
20) iodomethane	6.750	142	230355	49.45	ug/L	99
21) iso-butyl alcohol	10.148	41	30825	488.25	ug/L	99
22) carbon disulfide	6.860	76	418204	50.81	ug/L	100
23) methylene chloride	7.290	84	118252	45.15	ug/L	98
24) 1-chloropropane	7.301	42	150113	42.11	ug/L	99
25) methyl acetate	7.054	74	10449	44.89	ug/L	95
26) methyl tert butyl ether	7.641	73	542019	101.03	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	108416	45.93	ug/L	99
28) di-isopropyl ether	8.339	45	295668	52.45	ug/L	96
29) ethyl tert-butyl ether	8.858	59	296879	52.51	ug/L	99
30) 2-butanone	9.188	72	8594	46.80	ug/L	99
31) 1,1-dichloroethane	8.365	63	188359	52.11	ug/L	98
32) chloroprene	8.475	53	112295	47.08	ug/L	98
33) acrylonitrile	7.704	53	130463	245.61	ug/L	96
34) vinyl acetate	8.370	86	11450	55.80	ug/L	98
35) ethyl acetate	9.204	45	8727	48.16	ug/L	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	188000	51.41	ug/L		98
37) cis-1,2-dichloroethene	9.199	96	118621	44.07	ug/L		98
38) propionitrile	9.319	54	110392	470.53	ug/L		95
39) methyl acrylate	9.288	55	72513	47.25	ug/L	#	99
40) bromochloromethane	9.539	128	55867	50.33	ug/L		96
41) tetrahydrofuran	9.576	42	23053	47.04	ug/L		99
42) chloroform	9.613	83	190423	48.50	ug/L		99
45) freon 113	6.409	151	97927	49.21	ug/L		97
46) methacrylonitrile	9.503	41	35728	46.93	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	188535	51.59	ug/L		99
48) tert-amyl methyl ether	10.373	73	286969	50.81	ug/L		98
50) epichlorohydrin	12.067	57	32450	233.39	ug/L		98
51) n-butyl alcohol	10.934	56	143888	2569.31	ug/L		99
52) cyclohexane	9.912	84	164393	50.53	ug/L		98
53) carbon tetrachloride	10.064	117	170719	51.77	ug/L		98
54) 1,1-dichloropropene	10.048	75	126880	48.98	ug/L		99
55) hexane	8.029	57	136461	66.20	ug/L		96
56) ISOOCTANE	10.315	57	350561	47.73	ug/L		98
57) benzene	10.331	78	390462	50.22	ug/L		99
58) heptane	10.509	57	80850	64.31	ug/L		96
59) isopropyl acetate	10.294	43	189882	51.74	ug/L		99
60) 1,2-dichloroethane	10.373	62	110291	50.57	ug/L		99
61) trichloroethene	11.091	95	103616	51.05	ug/L		98
63) 2-nitropropane	11.935	43	141379	54.48	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	215367	302.12	ug/L		99
65) methyl methacrylate	11.280	41	87388	67.83	ug/L		86
66) 1,2-dichloropropane	11.374	63	96951	51.86	ug/L		97
67) methylcyclohexane	11.285	83	170009	50.78	ug/L		95
68) dibromomethane	11.542	93	59895	50.96	ug/L		100
69) bromodichloromethane	11.684	83	130671	52.56	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	143017	51.73	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	28503	49.64	ug/L		98
73) toluene	12.491	92	222397	49.01	ug/L		99
74) 3-methyl-1-butanol	12.297	70	49651	1016.47	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	118690	50.47	ug/L		99
76) ethyl methacrylate	12.711	69	86177	49.19	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	64329	50.62	ug/L		99
78) 2-hexanone	13.115	58	24605	46.92	ug/L		93
80) tetrachloroethene	13.078	166	110519	50.76	ug/L		97
81) 1,3-dichloropropane	13.120	76	111254	50.49	ug/L		99
82) butyl acetate	13.189	56	44488	48.97	ug/L		100
83) dibromochloromethane	13.388	129	101096	50.13	ug/L		99
84) 1,2-dibromoethane	13.535	107	79127	50.25	ug/L		97
86) chlorobenzene	14.001	112	268424	50.76	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	111913	51.65	ug/L		98
88) ethylbenzene	14.054	91	453548	49.21	ug/L		100
89) m,p-xylene	14.164	106	353565	97.88	ug/L		99
90) o-xylene	14.599	106	186274	53.10	ug/L		100
91) styrene	14.615	104	288539	53.88	ug/L		99
92) bromoform	14.898	173	73208	49.71	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

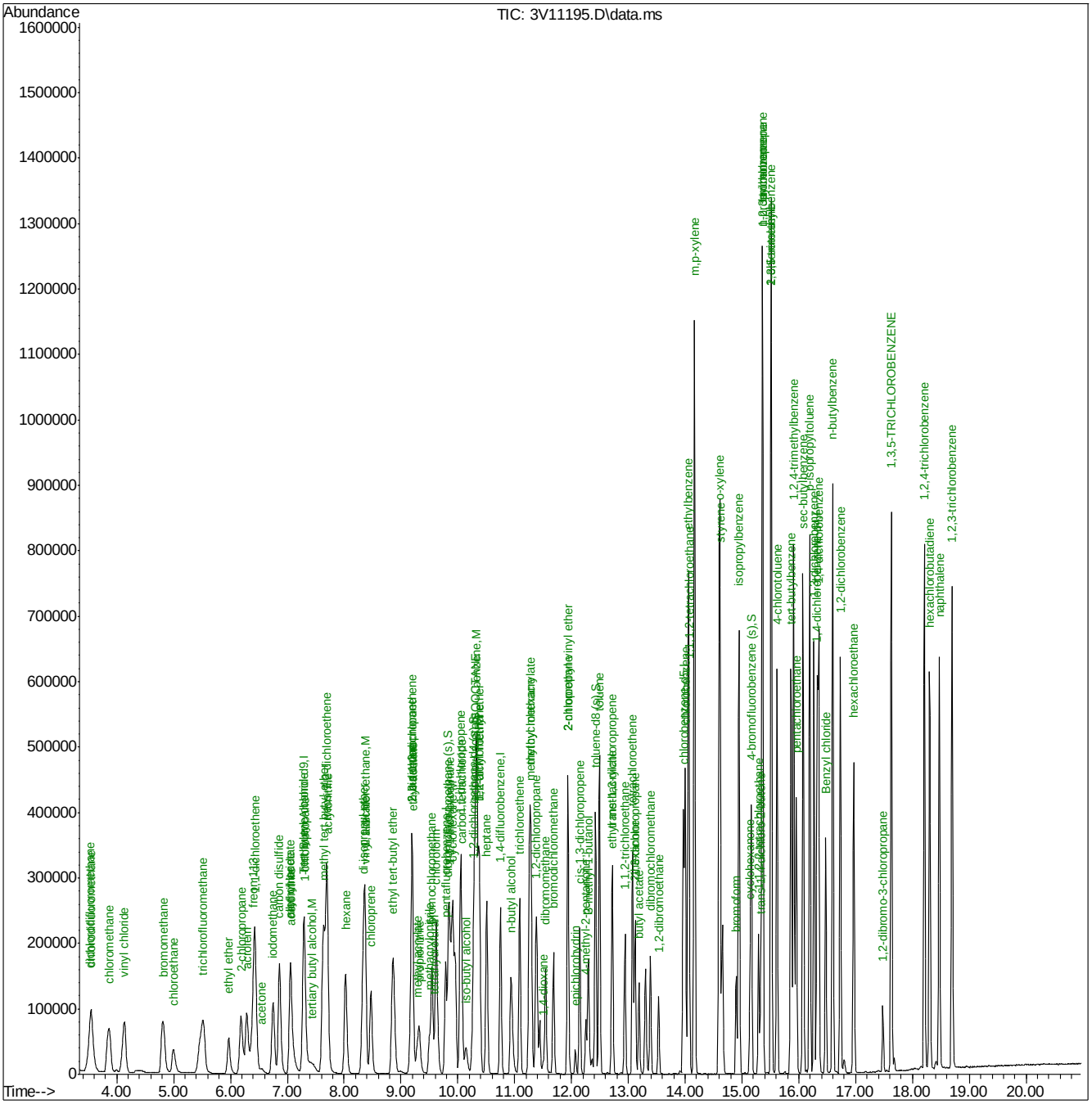
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	496313	51.49	ug/L	99
96) bromobenzene	15.359	156	131620	49.50	ug/L	99
97) cyclohexanone	15.144	55	67987	181.45	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	116808	46.91	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	25756	46.31	ug/L	94
100) 1,2,3-trichloropropane	15.364	110	25136	46.88	ug/L	98
101) n-propylbenzene	15.364	91	621639	53.47	ug/L	100
102) 2-chlorotoluene	15.516	126	127703	51.09	ug/L	100
103) 4-chlorotoluene	15.616	91	356261	49.45	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	434516	51.98	ug/L	100
105) tert-butylbenzene	15.863	119	346597	50.40	ug/L	97
106) pentachloroethane	15.957	167	91246	50.93	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	466226	52.74	ug/L	99
108) sec-butylbenzene	16.072	105	591584	51.60	ug/L	100
109) 1,3-dichlorobenzene	16.266	146	273449	48.56	ug/L	100
110) p-isopropyltoluene	16.193	119	501601	52.90	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	273581	48.14	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	270954	48.72	ug/L	99
113) n-butylbenzene	16.597	92	285819	52.76	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	24799	44.45	ug/L	99
115) 1,3,5-TRICHLOROBENZENE	17.629	180	285142	51.24	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	265816	51.01	ug/L	98
117) hexachlorobutadiene	18.301	225	138487	51.04	ug/L	99
118) naphthalene	18.474	128	499992	48.14	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	247636	50.83	ug/L	99
120) hexachloroethane	16.969	119	102920	50.23	ug/L	99
121) Benzyl chloride	16.471	91	258883	52.54	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 06/11/14 03:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11522.D
Acq On : 7 Jun 2014 12:29 pm
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 16:41:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.301	65	91230	500.00	ug/L		0.00
5) pentafluorobenzene	9.781	168	166979	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.745	114	239397	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	219114	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	137467	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.828	113	91305	43.21	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.42%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	81725	44.18	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.36%				
71) toluene-d8 (s)	12.418	98	307220	51.82	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.64%				
95) 4-bromofluorobenzene (s)	15.165	95	126701	52.57	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.14%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.505	88	11887	511.19	ug/L		98
4) tertiary butyl alcohol	7.432	59	25096m	102.70	ug/L		
6) chlorodifluoromethane	3.547	51	63774	16.70	ug/L		95
7) dichlorodifluoromethane	3.541	85	89895	20.27	ug/L		99
8) chloromethane	3.851	50	83558	21.89	ug/L		98
9) vinyl chloride	4.123	62	86827	21.13	ug/L		99
10) bromomethane	4.805	94	53131	20.36	ug/L		99
11) chloroethane	4.994	64	28775	21.21	ug/L		100
12) trichlorofluoromethane	5.513	101	84832	18.75	ug/L		99
13) ethyl ether	5.969	74	17883	21.31	ug/L		87
14) 2-chloropropane	6.184	43	72882	22.48	ug/L		99
15) acrolein	6.283	56	74861	223.03	ug/L		98
16) 1,1-dichloroethene	6.425	96	42400	18.75	ug/L		93
17) acetone	6.540	43	12832	21.71	ug/L		93
18) allyl chloride	7.049	76	19632	19.00	ug/L	#	83
19) acetonitrile	7.065	40	32281	221.09	ug/L		90
20) iodomethane	6.745	142	92886	19.67	ug/L		98
21) iso-butyl alcohol	10.132	41	13924	217.62	ug/L		96
22) carbon disulfide	6.860	76	171179	20.52	ug/L		99
23) methylene chloride	7.285	84	51847	19.53	ug/L		91
24) 1-chloropropane	7.301	42	74671	20.67	ug/L		98
25) methyl acetate	7.054	74	4655	19.73	ug/L	#	75
26) methyl tert butyl ether	7.641	73	117138	21.54	ug/L		98
27) trans-1,2-dichloroethene	7.694	96	44349	18.54	ug/L		96
28) di-isopropyl ether	8.333	45	126847	22.20	ug/L		95
29) ethyl tert-butyl ether	8.858	59	120236	20.98	ug/L		97
30) 2-butanone	9.178	72	3531	18.97	ug/L		66
31) 1,1-dichloroethane	8.360	63	80941	22.09	ug/L		100
32) chloroprene	8.470	53	49714	20.57	ug/L		99
33) acrylonitrile	7.699	53	60899	113.12	ug/L		99
34) vinyl acetate	8.365	86	3952	19.00	ug/L		82
35) ethyl acetate	9.193	45	3798	20.68	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11522.D
Acq On : 7 Jun 2014 12:29 pm
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 16:41:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	73429	19.81	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	47551	17.43	ug/L		92
38) propionitrile	9.314	54	50659	213.06	ug/L		89
39) methyl acrylate	9.282	55	33180	21.33	ug/L	#	95
40) bromochloromethane	9.539	128	21991	19.55	ug/L	#	85
41) tetrahydrofuran	9.571	42	11218	22.59	ug/L		93
42) chloroform	9.607	83	76438	19.21	ug/L		99
45) freon 113	6.409	151	36317	18.01	ug/L		92
46) methacrylonitrile	9.497	41	17395	22.55	ug/L		86
47) 1,1,1-trichloroethane	9.854	97	73738	19.91	ug/L		98
48) tert-amyl methyl ether	10.368	73	110025	19.22	ug/L		97
50) epichlorohydrin	12.066	57	14293	107.13	ug/L		97
51) n-butyl alcohol	10.939	56	58192	1082.83	ug/L		97
52) cyclohexane	9.906	84	66375	21.26	ug/L		95
53) carbon tetrachloride	10.058	117	66545	21.03	ug/L		99
54) 1,1-dichloropropene	10.043	75	53871	21.67	ug/L		98
55) hexane	8.024	57	42558	21.51	ug/L		99
56) ISOOCTANE	10.305	57	136336	19.34	ug/L		95
57) benzene	10.326	78	160549	21.52	ug/L		98
58) heptane	10.504	57	25447	21.09	ug/L		94
59) isopropyl acetate	10.289	43	75367	21.40	ug/L		98
60) 1,2-dichloroethane	10.373	62	46783	22.35	ug/L		99
61) trichloroethene	11.086	95	41298	21.20	ug/L		95
63) 2-nitropropane	11.935	43	64970	26.09	ug/L		97
64) 2-chloroethyl vinyl ether	11.935	63	91885	134.32	ug/L		98
65) methyl methacrylate	11.280	41	28292	22.89	ug/L		94
66) 1,2-dichloropropane	11.369	63	40643	22.66	ug/L		95
67) methylcyclohexane	11.280	83	65212	20.30	ug/L		97
68) dibromomethane	11.542	93	24050	21.33	ug/L		97
69) bromodichloromethane	11.679	83	51910	21.76	ug/L		100
70) cis-1,3-dichloropropene	12.145	75	59471	22.42	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	12558	22.79	ug/L		89
73) toluene	12.491	92	89834	20.63	ug/L		98
74) 3-methyl-1-butanol	12.297	70	18894	403.08	ug/L		90
75) trans-1,3-dichloropropene	12.722	75	51484	22.82	ug/L		99
76) ethyl methacrylate	12.711	69	37771	22.47	ug/L		94
77) 1,1,2-trichloroethane	12.937	83	26277	21.55	ug/L		99
78) 2-hexanone	13.115	58	11030	21.92	ug/L		100
80) tetrachloroethene	13.073	166	41970	20.64	ug/L		99
81) 1,3-dichloropropane	13.120	76	47472	23.07	ug/L		99
82) butyl acetate	13.183	56	19192	22.62	ug/L		92
83) dibromochloromethane	13.388	129	39994	21.24	ug/L		97
84) 1,2-dibromoethane	13.529	107	32950	22.41	ug/L		99
86) chlorobenzene	13.996	112	109134	22.10	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.069	131	43529	21.51	ug/L		100
88) ethylbenzene	14.054	91	189050	21.97	ug/L		98
89) m,p-xylene	14.164	106	142610	42.28	ug/L		99
90) o-xylene	14.599	106	73851	22.54	ug/L		95
91) styrene	14.615	104	116645	23.33	ug/L		99
92) bromoform	14.898	173	29185	21.22	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11522.D
Acq On : 7 Jun 2014 12:29 pm
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 16:41:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

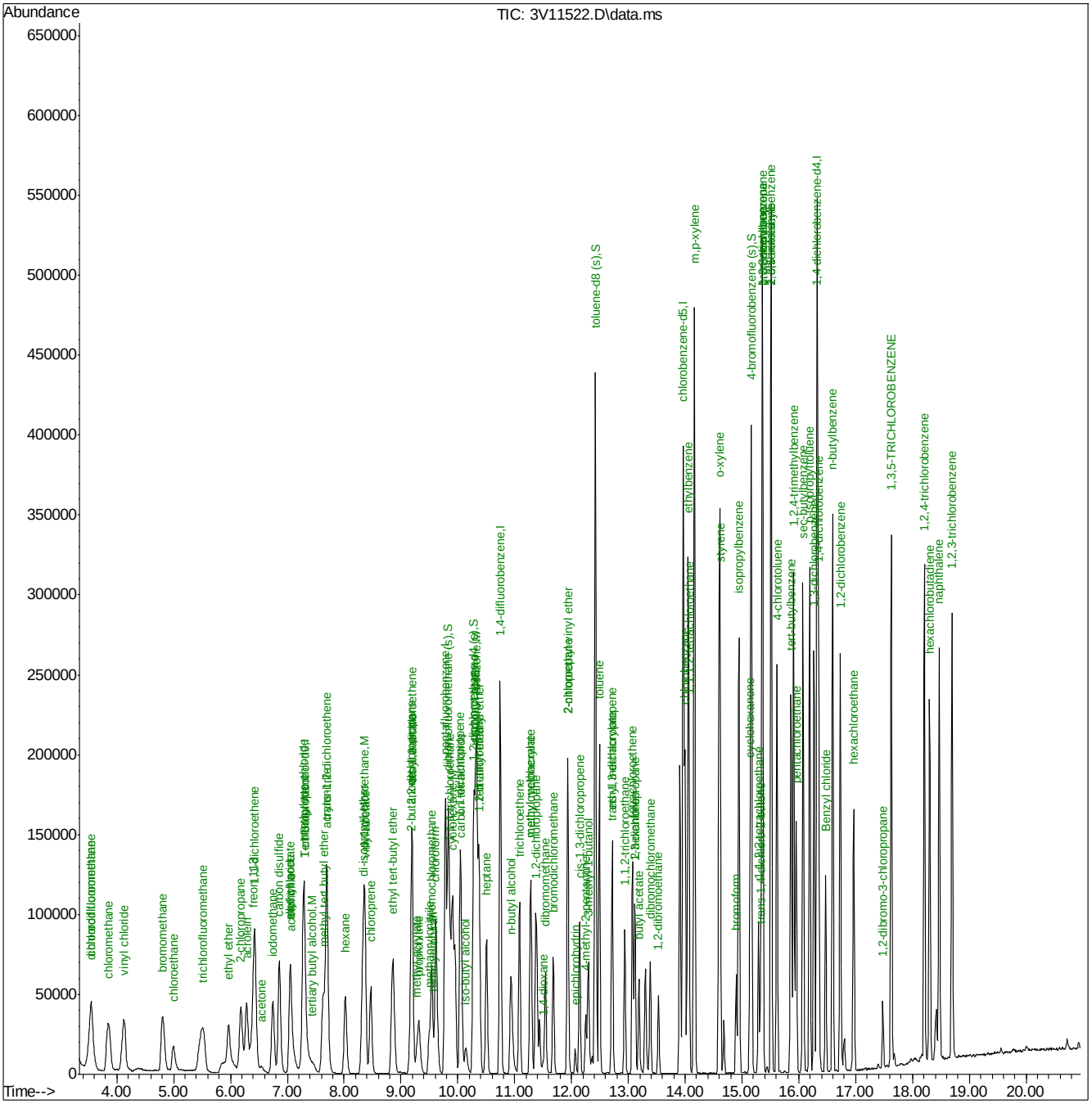
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	196013	22.56	ug/L	97
96) bromobenzene	15.359	156	51986	21.69	ug/L	97
97) cyclohexanone	15.144	55	48486	143.57	ug/L	93
98) 1,1,2,2-tetrachloroethane	15.291	83	51595	22.99	ug/L	97
99) trans-1,4-dichloro-2-b...	15.328	53	12223	24.38	ug/L	81
100) 1,2,3-trichloropropane	15.359	110	11147	23.06	ug/L	96
101) n-propylbenzene	15.364	91	242462	23.14	ug/L	99
102) 2-chlorotoluene	15.511	126	51033	22.65	ug/L	92
103) 4-chlorotoluene	15.616	91	148357	22.85	ug/L	98
104) 1,3,5-trimethylbenzene	15.516	105	171419	22.75	ug/L	98
105) tert-butylbenzene	15.862	119	125935	20.32	ug/L	98
106) pentachloroethane	15.957	167	33141	20.52	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	176479	22.15	ug/L	95
108) sec-butylbenzene	16.072	105	225820	21.85	ug/L	98
109) 1,3-dichlorobenzene	16.266	146	109408	21.56	ug/L	98
110) p-isopropyltoluene	16.193	119	192283	22.50	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	107605	21.01	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	106862	21.32	ug/L	97
113) n-butylbenzene	16.596	92	109069	22.34	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	10395	20.67	ug/L	96
115) 1,3,5-TRICHLOROBENZENE	17.624	180	105417	21.02	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	97795	20.82	ug/L	97
117) hexachlorobutadiene	18.300	225	48713	19.92	ug/L	98
118) naphthalene	18.468	128	194624	20.79	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	90654	20.64	ug/L	97
120) hexachloroethane	16.963	119	36968	20.02	ug/L	99
121) Benzyl chloride	16.471	91	87237	19.64	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11522.D
Acq On : 7 Jun 2014 12:29 pm
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 16:41:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

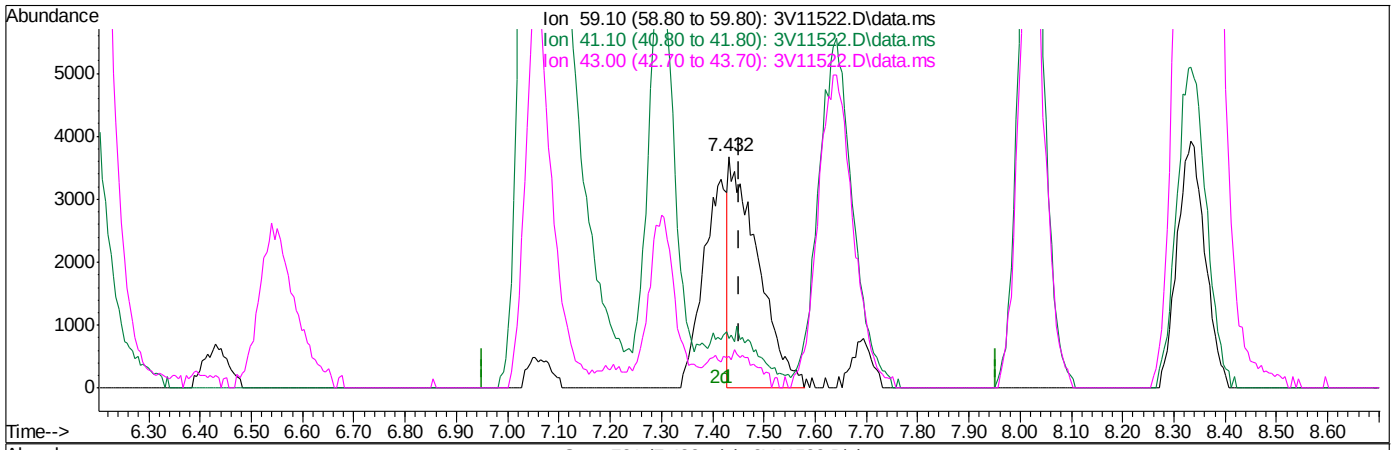
Sample Number:	V3V491-CC474	**Method:**	SW846 8260C
Lab FileID:	3V11522.D	**Analyst approved:**	06/10/14 17:15 Ying Li
Injection Time:	06/07/14 12:29	**Supervisor approved:**	06/11/14 03:05 Kanya Veerawat

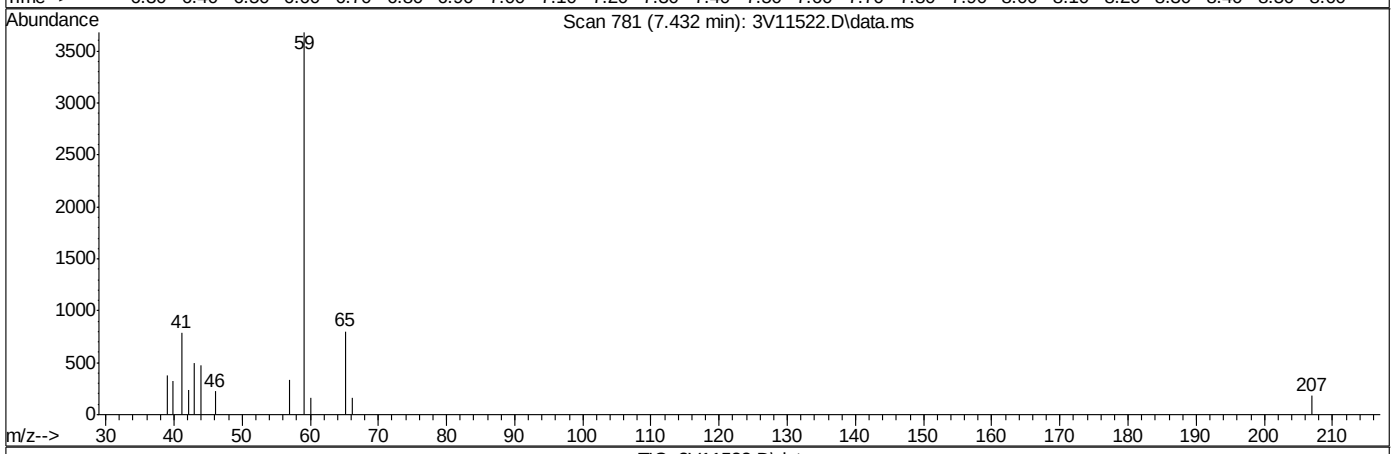
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert Butyl Alcohol	75-65-0		7.43	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11522.D
Acq On : 7 Jun 2014 12:29 pm
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 16:40:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration





TIC: 3V11522.D\data.ms

(4) tertiary butyl alcohol (M)

7.432min (-0.021) 60.36ug/L

response 14751

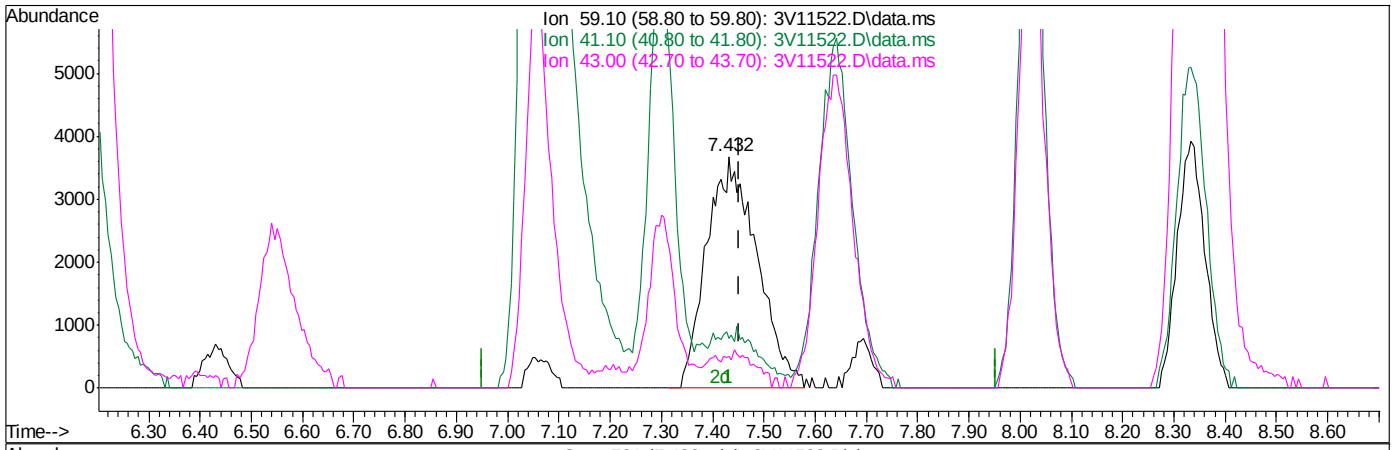
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	21.39
43.00	12.60	13.64
0.00	0.00	0.00

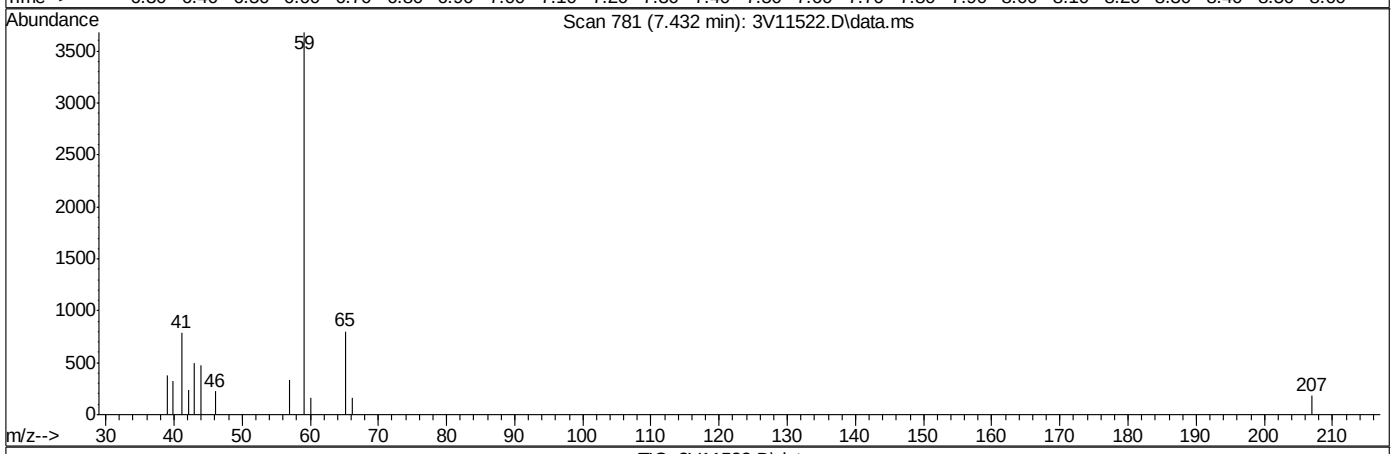
3V11522.D edits: tertiary butyl alcohol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11522.D
Acq On : 7 Jun 2014 12:29 pm
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V491,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 16:40:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration





TIC: 3V11522.D\data.ms

(4) tertiary butyl alcohol (M)

7.432min (-0.021) 102.70ug/L m

response 25096

Ion	Exp%	Act%
59.10	100	100
41.10	22.00	21.39
43.00	12.60	13.64
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11546.D
Acq On : 9 Jun 2014 9:30 am
Operator : thienn
Sample : cc474-50
Misc : MS68678,V3V492,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 17:02:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.295	65	82429	500.00	ug/L		-0.01
5) pentafluorobenzene	9.780	168	155317	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.745	114	222549	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	204652	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	128055	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	89453	45.52	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 91.04%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	80331	46.69	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 93.38%				
71) toluene-d8 (s)	12.418	98	286351	51.95	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.90%				
95) 4-bromofluorobenzene (s)	15.165	95	118191	52.64	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.28%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.505	88	24784	1179.62	ug/L	#	98
4) tertiary butyl alcohol	7.437	59	54433	246.53	ug/L		95
6) chlorodifluoromethane	3.562	51	161426	54.65	ug/L		98
7) dichlorodifluoromethane	3.546	85	191120	46.32	ug/L		99
8) chloromethane	3.872	50	176805	49.79	ug/L		98
9) vinyl chloride	4.139	62	190031	49.71	ug/L		99
10) bromomethane	4.821	94	118313	48.75	ug/L		99
11) chloroethane	4.994	64	79462	62.98	ug/L		99
12) trichlorofluoromethane	5.518	101	210330	49.98	ug/L		99
13) ethyl ether	5.969	74	39096	50.08	ug/L		89
14) 2-chloropropane	6.184	43	172391	57.16	ug/L		99
15) acrolein	6.283	56	178489	571.68	ug/L		99
16) 1,1-dichloroethene	6.430	96	99032	47.09	ug/L		90
17) acetone	6.545	43	28495	51.84	ug/L		93
18) allyl chloride	7.054	76	45772	47.61	ug/L	#	80
19) acetonitrile	7.065	40	69769	513.73	ug/L		96
20) iodomethane	6.745	142	214639	48.87	ug/L		96
21) iso-butyl alcohol	10.142	41	28908	485.72	ug/L		97
22) carbon disulfide	6.860	76	409294	52.75	ug/L		98
23) methylene chloride	7.280	84	114973	46.57	ug/L		91
24) 1-chloropropane	7.300	42	166284	49.48	ug/L		99
25) methyl acetate	7.054	74	10928	49.80	ug/L	#	86
26) methyl tert butyl ether	7.636	73	270628	53.51	ug/L		99
27) trans-1,2-dichloroethene	7.699	96	103350	46.45	ug/L		98
28) di-isopropyl ether	8.333	45	297981	56.08	ug/L		94
29) ethyl tert-butyl ether	8.858	59	285579	53.58	ug/L		98
30) 2-butanone	9.178	72	8939	51.64	ug/L		89
31) 1,1-dichloroethane	8.360	63	187165	54.92	ug/L		98
32) chloroprene	8.470	53	124884	55.54	ug/L		97
33) acrylonitrile	7.694	53	137409	274.41	ug/L		98
34) vinyl acetate	8.370	86	9072	46.90	ug/L		71
35) ethyl acetate	9.198	45	8856	51.85	ug/L		64

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11546.D
Acq On : 9 Jun 2014 9:30 am
Operator : thienn
Sample : cc474-50
Misc : MS68678,V3V492,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 17:02:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	189263	54.90	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	110401	43.51	ug/L		90
38) propionitrile	9.314	54	114683	518.54	ug/L		91
39) methyl acrylate	9.277	55	75271	52.03	ug/L	#	97
40) bromochloromethane	9.539	128	52019	49.71	ug/L		89
41) tetrahydrofuran	9.565	42	25132	54.40	ug/L		94
42) chloroform	9.613	83	181400	49.01	ug/L		98
45) freon 113	6.409	151	87895	46.85	ug/L		100
46) methacrylonitrile	9.497	41	39303	54.77	ug/L		89
47) 1,1,1-trichloroethane	9.849	97	180733	52.46	ug/L		99
48) tert-amyl methyl ether	10.368	73	261633	49.14	ug/L		98
50) epichlorohydrin	12.066	57	32568	262.58	ug/L		96
51) n-butyl alcohol	10.934	56	130233	2606.81	ug/L		96
52) cyclohexane	9.906	84	160427	55.27	ug/L		88
53) carbon tetrachloride	10.058	117	164420	55.89	ug/L		99
54) 1,1-dichloropropene	10.043	75	128961	55.81	ug/L		98
55) hexane	8.024	57	106151	57.73	ug/L		96
56) ISOOCTANE	10.310	57	368461	56.24	ug/L		98
57) benzene	10.326	78	372561	53.72	ug/L		98
58) heptane	10.504	57	63914	56.99	ug/L		96
59) isopropyl acetate	10.294	43	182559	55.76	ug/L		97
60) 1,2-dichloroethane	10.373	62	111122	57.12	ug/L		98
61) trichloroethene	11.086	95	96917	53.52	ug/L		98
63) 2-nitropropane	11.935	43	150203	64.88	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	213851	336.29	ug/L		98
65) methyl methacrylate	11.285	41	69524	60.50	ug/L		92
66) 1,2-dichloropropane	11.374	63	94272	56.53	ug/L		96
67) methylcyclohexane	11.285	83	163183	54.64	ug/L		95
68) dibromomethane	11.542	93	56396	53.79	ug/L		99
69) bromodichloromethane	11.678	83	122922	55.43	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	138328	56.09	ug/L		96
72) 4-methyl-2-pentanone	12.250	58	28021	54.70	ug/L		86
73) toluene	12.491	92	205174	50.68	ug/L		97
74) 3-methyl-1-butanol	12.297	70	42136	966.98	ug/L		89
75) trans-1,3-dichloropropene	12.722	75	121093	57.72	ug/L		99
76) ethyl methacrylate	12.711	69	87108	55.74	ug/L		93
77) 1,1,2-trichloroethane	12.937	83	60973	53.78	ug/L		97
78) 2-hexanone	13.115	58	25815	55.18	ug/L		95
80) tetrachloroethene	13.073	166	99534	52.41	ug/L		98
81) 1,3-dichloropropane	13.120	76	108210	56.31	ug/L		98
82) butyl acetate	13.183	56	42533	53.68	ug/L		90
83) dibromochloromethane	13.388	129	93931	53.40	ug/L		97
84) 1,2-dibromoethane	13.529	107	75181	54.74	ug/L		99
86) chlorobenzene	13.996	112	246920	53.53	ug/L		96
87) 1,1,1,2-tetrachloroethane	14.069	131	103144	54.58	ug/L		99
88) ethylbenzene	14.054	91	433990	53.99	ug/L		98
89) m,p-xylene	14.164	106	326564	103.65	ug/L		96
90) o-xylene	14.599	106	170424	55.70	ug/L		97
91) styrene	14.615	104	268811	57.56	ug/L		99
92) bromoform	14.898	173	69495	54.10	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11546.D
Acq On : 9 Jun 2014 9:30 am
Operator : thienn
Sample : cc474-50
Misc : MS68678,V3V492,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 17:02:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

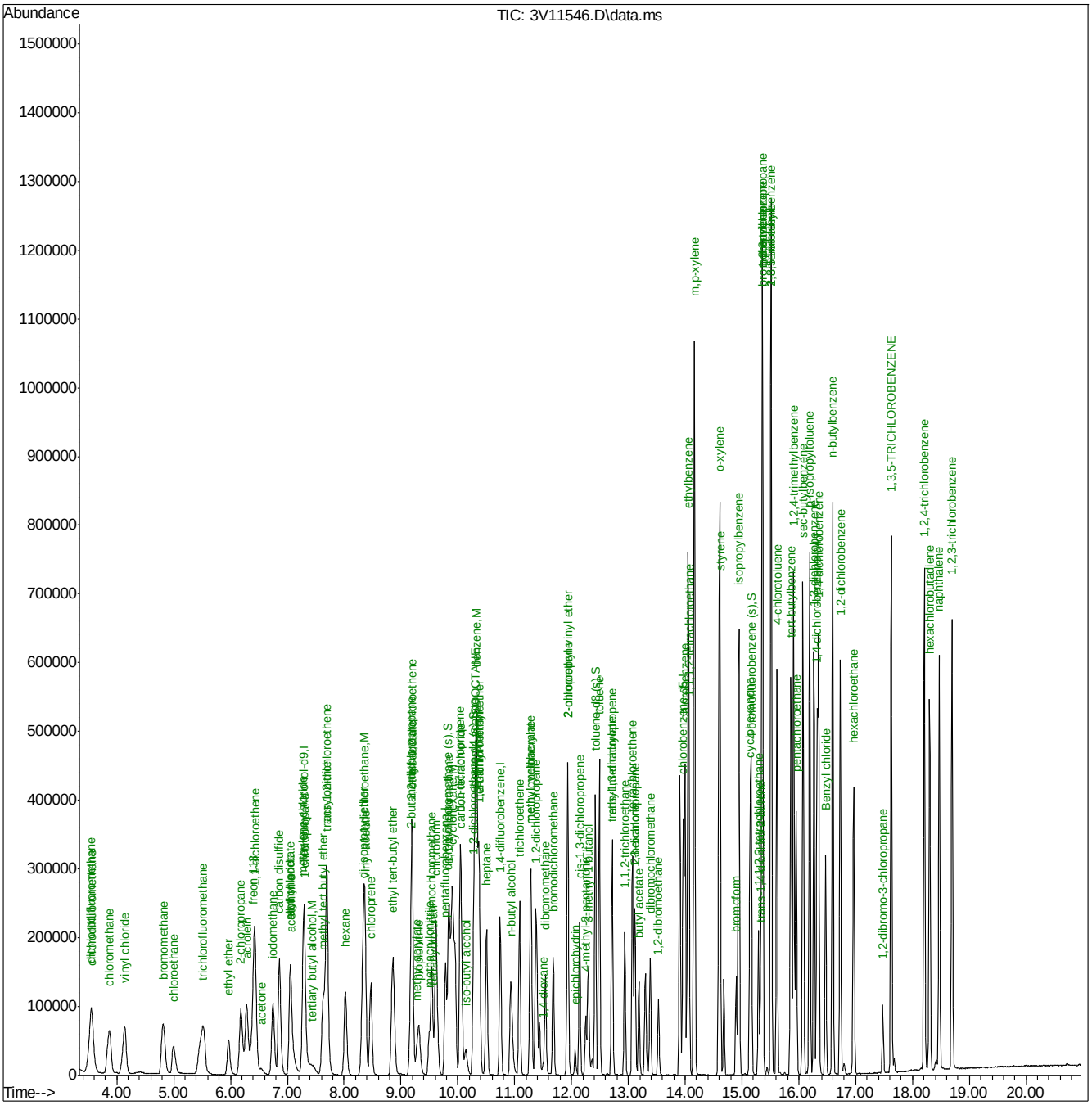
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94)	isopropylbenzene	14.945	105	465201	57.48	ug/L		98
96)	bromobenzene	15.359	156	119666	53.60	ug/L		98
97)	cyclohexanone	15.144	55	151149	480.47	ug/L		96
98)	1,1,2,2-tetrachloroethane	15.291	83	115253	55.13	ug/L		100
99)	trans-1,4-dichloro-2-b...	15.328	53	28361	60.74	ug/L	#	80
100)	1,2,3-trichloropropane	15.364	110	24338	54.06	ug/L		94
101)	n-propylbenzene	15.364	91	558746	57.24	ug/L		99
102)	2-chlorotoluene	15.511	126	117169	55.83	ug/L		91
103)	4-chlorotoluene	15.616	91	333321	55.10	ug/L		99
104)	1,3,5-trimethylbenzene	15.516	105	403333	57.47	ug/L		99
105)	tert-butylbenzene	15.862	119	309630	53.63	ug/L		98
106)	pentachloroethane	15.957	167	81820	54.39	ug/L		98
107)	1,2,4-trimethylbenzene	15.910	105	409482	55.17	ug/L		98
108)	sec-butylbenzene	16.072	105	544133	56.53	ug/L		99
109)	1,3-dichlorobenzene	16.266	146	248917	52.65	ug/L		99
110)	p-isopropyltoluene	16.193	119	460304	57.81	ug/L		99
111)	1,4-dichlorobenzene	16.350	146	248053	51.98	ug/L		99
112)	1,2-dichlorobenzene	16.733	146	246495	52.79	ug/L		99
113)	n-butylbenzene	16.596	92	261108	57.40	ug/L		99
114)	1,2-dibromo-3-chloropr...	17.477	75	23977	51.19	ug/L		93
115)	1,3,5-TRICHLOROBENZENE	17.624	180	247474	52.97	ug/L		100
116)	1,2,4-trichlorobenzene	18.211	180	228425	52.21	ug/L		98
117)	hexachlorobutadiene	18.300	225	121420	53.30	ug/L		98
118)	naphthalene	18.468	128	447265	51.29	ug/L		100
119)	1,2,3-trichlorobenzene	18.694	180	212188	51.87	ug/L		99
120)	hexachloroethane	16.963	119	94111	54.71	ug/L		98
121)	Benzyl chloride	16.471	91	226136	54.66	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11546.D
Acq On : 9 Jun 2014 9:30 am
Operator : thienn
Sample : cc474-50
Misc : MS68678,V3V492,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 17:02:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C5480

Print Analyst Name: [illegible]

Analyst Signature: [illegible]

Date: 6.5.14

Columns: ZB624 (30m x 0.25 x 1.4)

Method V8260

Initial Cal. Method V2C5480

Standard Data

Lot #	Description	Conc.
VQ41861-35	SURR	1ug/mL
-20	BFB	
-19	VSTD	
-43	VSTD	
-05	Benzene	1ug/mL

Standard Data

Lot #	Description	Conc.
VQ41861-31	A	1ug/mL
-34	B	
-46	C	
-48	Acetone	1ug/mL
-40	INTERNAL	25/25mL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/6/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	V2C19185	BFB				1							ok		
	V2C19186	ICS480-0.2	8260 initial cal.	W		2	5				✓		ok	A,B,C,Ace,Benzene 1ug/mL	
	V2C19187	ICS480-0.5				3	5				✓		ok	2.5 ug/mL	
	V2C19188	ICS480-1				4	5				✓		ok	A,B,C,Ace,Benzene 2ug/mL 4ug/mL	
	V2C19189	ICS480-2				5	5				✓		ok	4ug/mL 200ug/mL	
	V2C19190	ICS480-5				6	5				✓		ok	A,B,C,Ace,Benzene 10ug/mL	
	V2C19191	ICS480-10				7	5				✓		ok	10ug/mL	
	V2C19192	ICS480-20				8	5				✓		ok	20ug/mL	
	V2C19193	ICS480-50				9	5				✓		ok	50ug/mL	
	V2C19194	ICS480-100				10	5				✓		ok	100ug/mL	
	V2C19195	ICS480-200				11	5				✓		ok	200ug/mL	
	V2C19196	LB				12							—		
	V2C19197	LB				13							—		
	V2C19198	ICV5480-50				14	5				✓		ok	25ug/mL Ext A,B,C,Ace,Benzene	

6/5/14

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C5484

Print Analyst Name: Tuan Pham

Date: 6/9/14

Analyst Signature:

Columns: ZB624(60m x 0.25mm ID-1.4um)

Method 8260C

Initial Cal. Method M2C5480

Standard Data

Lot #	Description		Conc.
1014-1861-2		A	100ppm
	34	B	
	42	C	
	43	ACY	1000ppm
	ETHL		1000 ppm

Standard Data

Lot #	Description		Conc.
1014-1161-1	20 EXT	A	100ppm
	14	B	
	46	C	
	05	ACY	1000ppm
	41	IS	250/250 ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/12/14

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
	2C114270	BFB											OK	10:02 am	
	114272	CC1763-20					5				W		OK	2ST 10 reinjection A, B, C, ACY, ETHL	
	114273	LB													
	114274	MB					5				W		OK		
	114275	BS					5				W		OK	2 reinjection EXT, A, B, C, ACY, ETHL	
	114276	DB													
R	114277	FB681940-10	68464 BTXOFG	W	2		5		1X		W		NOT USED		✓
R	114278	FB681940-11			1		5		1X		W		NOT USED		✓
	114279	FB684478-1	68694 SZ		1		5/50		10X		W		OK		✓
	114280	FB684478-1			1		0.5/50		100X		W		NOT USED	NO DILUTE	✓
	114281	FB684478-2			1		10/50		5X		W		OK RR	1X too dilute	✓
	114282	FB684478-3			1		10/50		5X		W		OK	dilution due to foaming	✓
	114283	FB684478-4			1		2.5/50		20X		W		OK RR	5X	✓
	114284	FB684478-5			1		1/10		50X		W		OK RR		✓
	114285	FB684478-1ms			1		5/50		10X		W		OK		✓
	114286	FB684478-1msd			1		5/50		10X		W		OK		✓
	114287	LB													

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: V2C 5484

Print Analyst Name: Tom Pham

Date: 6/9/14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.

Columns: RTX-624 60m x 0.25mm ID 1.4µm

Method 8260C

Initial Cal. Method M2C5480

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: 6/14/14

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
	2C114288	FB 68318-6	8260T+MW+	W	5		5		1X		W		QA		✓
	2C114289	FB68318-7	"	"	7		5		1X		W		QA		✓
	114290	FB68458-3			2		5		1X		W		QA		✓
	114291	FB68458-4			5		5		1X		W		QA	7:50 pm	✓

JP 6/9/14

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

69

7.8.2

7

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V474

Print Analyst Name: TH/EW

Date: 5/22/14

Analyst Signature:

Columns: FB-624 (60m x 0.25mm x 1.4µm

Method V8260C (SOIL)

Initial Cal. Method M3V474

Standard Data

Lot #	Description	Conc.
VOLU-1122-118	A	100 ppm
L 127	B	↓
1861-11	C	↓
1822-138	Addn	1000
↓ 146	Surr	100 ↓

Standard Data

Lot #	Description	Conc.
VOLU-1861-06	Int only	250/500 ppm
1822-129	Ext A	100
1822-138	Ext B	100
1861-12	Ext C	100
1861-05	Ext Addn	1000
↓ 13	Ext Hexane	100
↓ 1822-144	Ext Heptane	100

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: DPates **Date:** 5/29/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	V11182	BFB				1							ok	9:42 Am	
	11183	1C474-0.2	8260C Initial	S	—	2	5						ok	A,B,C,Add, Surr 1µl/500ml	
	11184	1C474-0.5			—	3	5						ok	A,B,C,Add, Surr 1µl/200ml	
	11185	1C474-1			—	4	5						ok	A,B,C,Surr 1µl/100ml Addn 200µl/100ml	
	11186	1C474-2			—	5	5						ok	A,B,C,Surr 2µl/100ml Addn 100µl/100ml	
	11187	1C474-5			—	6	5						ok	A,B,C,Add,Surr 5µl/100ml	
	11188	1C474-10			—	7	5						ok	A,B,C,Add,Surr 10µl/50ml	
	11189	1C474-20			—	8	5						ok	A,B,C,Add,Surr 20µl/100ml Surr 50ml/100ml	
	11190	1C474-50			—	9	5						ok	A,B,C,Add,Surr 25µl/50ml	
	11191	1C474-100			—	10	5						ok	A,B,C,Surr 50µl/50ml	
	11192	1C474-200			—	11	5						ok	A,B,C,Surr 100µl/50ml	
	11193	IB			—	12	5						clean up		
	11194	IB			—	13	5						↓		
	11195	1C474-50			—	14	5						ok	Ext(A,B,C,Add,Hexane,Heptane) Surr 25µl/50ml	
	11196	IB			—	15	5						clean up		
							TDM 5/22/14								

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate. Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result. All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V491

Print Analyst Name: THIEN

Analyst Signature:

Columns: ZB624 / 60mx0.25mmx1.4μm

Method 8260-OC

Initial Cal. Method 03V474

Date: 6/7/14

Standard Data

Lot #	Description	Conc.
VOA-1861-27	A	100 ppm
34	B	↓
46	C	↓
23	I/S	200/200
42	Add.	1000

Standard Data

Lot #	Description	Conc.
VOA-1861-20	Ext A	100 ppm
19	B	↓
43	C	↓
05	Add.	1000

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ **Date:** 6/10/2014

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
	3V1415 20	BFB				1							ok	10:40AM	
	1415 21	ccc474-20				2	5						WG	A,B,C,Add- 1pt/point	
	1415 22	ccc474-20				3	5						ok	↓	
	1415 23	MB				4	5				/		ok		
	1415 24	BS				5	5				/		ok	Ext(A,B,C,Add.) 25pt/point.	
	1415 25	IB				6	5				/		ok		
	1415 26	JB68318-1	8260 TCL20	S	4	7	4.1				/		ok		
	1415 27	JB68318 -2			4	8	4.1				/		ok		
	1415 28	JB68318 -3			4	9	4.2				/		ok		
	1415 29	JB68318-1MS			5	10	4.4				/		ok	A,B,C,Add 2.5pt/point	
	1415 30	TDM 6/7/14 JB68331 IB				11	5				/		ok		
	1415 31	JB68318-2DUP			5	12	4.3				/		WG	Bad purge Bottle broken.	
	1415 32	JB68318 -4			4	13	4.3				/		ok		
	1415 33	JB68318 -5			4	14	3.8				/		ok		
	1415 34	JB68318-8			4	15	3.1				/		ok		
	1415 35	JB68318 -9			4	16	3.4				/		ok/R	LL	
	1415 36	JB68318-10			4	17	3.7				/		ok/R	LL	

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

97

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V492 / V3V491

Print Analyst Name: TATN

Analyst Signature:

Columns: Rtx-624 (Compendium IV)

Method 8260C

Initial Cal. Method M3V474

Date: 6/9/14

Standard Data

Lot #	Description	Conc.
1404861-20	A	100 ppm
34	B	↓
53	C	↓
41	IS	250/2000
42	Surr	1000

Standard Data

Lot #	Description	Conc.
1404861-20	EXT A	100 ppm
19	B	↓
43	C	↓
05	Surr	1000

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 6/10/2014

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
	3V11545	BFB				1							ok	8:31 AM	
	11546	CC474-50				2	5						ok	A,B,C, Surr 25ul/5ml	
	11547	IB				3	5						clo		
	11548	MB2				4	5				✓		ok		
	11549	BS2				5	5				✓		ok	EXT(A,B,C, Surr) 25ul/5ml	
	11550	BS				6	5				✓		clo		
	11551	JB68318-3MS	68601 TCL20	S	5	7	4.0				✓		ok		
	11552	BS				8	5				✓		clo		
	11553	MB1				9	5				✓		ok		
	11554	BS				10	5				✓		ok	EXT(A,B,C, Surr) 25ul/5ml	
	11555	BS				11	5				✓		clo		
	11556	JB68650-2	68738 STOR	B	1	12	5.2				✓		ok		
	11557	JB68650-1	↓	↓	1	13	5.1				✓		ok		
	11558	JB68650-3			1	14	5.4				✓		ok		
	11559	JB68650-2MS			1	15	5.2				✓		ok	A,B,C, Surr 2.5ul/5ml	
	11560	JB68650-2MSD	↓	↓	1	16	5.2				✓		ok	↓	
	11561	IB				17	5						clo		

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: V3V492 / V3V491

Print Analyst Name: TATN

Date: 6/9/14

Analyst Signature:

Columns: 624.6 (Compendium IV.4)

Method 8260C

Initial Cal. Method M3V474

Standard Data

Lot #	Description	Conc.
1004861-22	A	100 ppm
34	B	↓
53	C	↓
41	IS	200/2000
40	Surr	1000

Standard Data

Lot #	Description	Conc.
1004861-20 Exp	A	100 ppm
19	B	↓
43	C	↓
05	Surr	1000

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 6/10/2014

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
	V11545	BFB				1							ok	8:31 AM	
	11546	CC474-50				2	5						ok	A,B,C, Surr	
	11547	IB				3	5						clo		
	11548	MB2				4	5				✓		ok		
	11549	BS2				5	5				✓		ok	Exp A,B,C, Surr	
	11550	IB				6	5				✓		clo		
	11551	JB68318-3DUP	68661 TCL20	S	5	7	4.0				✓		ok		
	11552	IB				8	5				✓		clo		
	11553	MB1				9	5				✓		ok		
	11554	BS				10	5				✓		ok	Exp A,B,C, Surr	
	11555	IB				11	5				✓		clo		
	11556	JB68650-2	68738 STAR	30	1	12	5.2				✓		ok		
	11557	JB68650-1			1	13	5.1				✓		ok		
	11558	JB68650-3			1	14	5.4				✓		ok		
	11559	JB68650-2MS			1	15	5.2				✓		ok	A,B,C, Surr	
	11560	JB68650-2MSD	↓	↓	1	16	5.2				✓		ok	↓	
	11561	IB				17	5						clo		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V 492

Date: 6/9/14

Print Analyst Name: JB/TM

Analyst Signature:

Columns: ZB624/60mx0.25mmx1.4µm

Method 8260C

Initial Cal. Method M3V474

Standard Data		
Lot #	Description	Conc.

see page 103

Standard Data		
Lot #	Description	Conc.

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: JB Date: 6/10/2014

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
R	V3V11562	JB68318-9	8260 TCL20	S	5	18	3.0				✓	✓	ok		
R	11563	JB68318-10	↓	↓	5	19	3.6				✓	✓	ok		
	11564	JB68650-4	8260 STAR	S	1	20	4.8				✓	✓	ok		
	11565	JB68650-5	↓		1	21	5.0				✓	✓	ok		
	11566	JB68650-6			1	22	5.5				✓	✓	ok		
	11567	JB68650-7	↓	↓	1	23	4.8				✓	✓	ok		7:58 pm
	11568	BFB2				24							ok		
	11569	ee474-50				25	5						ok	ABC, MB 25ug/5ml	
	11570	BS				26	5				✓	✓	clo		
	11571	MB2				27	5				✓	✓	ok		
	11572	JB68650-22	8260 TCL20	S	1	28	5.0				✓	✓	ok		
	11573	JB68650-23	↓		1	29	2.0				✓	✓	ok		
	11574	JB68648-2	8260 STAR		1	30	4.8				✓	✓	MG	RRIX c/o	
	11575	JB68648-3	↓		1	31	4.9				✓	✓	MG	RRIX c/o	
	11576	JB68648-1			1	32	1.2				✓	✓	ok/D2	RR mod level	
	11577	JB68648-4	↓	↓	1	33	1.2				✓	✓	ok/D2	RR mod level	
	11578	JB3				34	5						clo		

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

TM 6/9/14

Form: OR001-9
Rev. Date: 2/14/2007

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JB68318
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
OP75376-MB1	2M64177.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
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
OP75376-MB1	2M64177.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
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
OP75376-MB1	2M64177.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	89%	13-110%
4165-62-2	Phenol-d5	92%	15-110%
118-79-6	2,4,6-Tribromophenol	79%	20-123%
4165-60-0	Nitrobenzene-d5	97%	10-110%
321-60-8	2-Fluorobiphenyl	85%	17-110%
1718-51-0	Terphenyl-d14	93%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.73	380	ug/kg	J
	system artifact	1.95	530	ug/kg	J
	system artifact/aldol-condensation	3.41	2300	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JB68318
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
OP75387-MB1	3E61823.D	1	06/08/14	AD	06/06/14	OP75387	E3E2652

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

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: JB68318
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
OP75387-MB1	3E61823.D	1	06/08/14	AD	06/06/14	OP75387	E3E2652

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.32	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.26	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.56	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.72	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.28	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.23	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.26	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.55	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.16	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.46	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.39	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.48	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.29	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.40	ug/l	
78-59-1	Isophorone	ND	2.0	0.34	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.32	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.26	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.30	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.52	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.38	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.21	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.19	ug/l	
129-00-0	Pyrene	ND	1.0	0.19	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.44	ug/l	

Method Blank Summary

Job Number: JB68318
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
OP75387-MB1	3E61823.D	1	06/08/14	AD	06/06/14	OP75387	E3E2652

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	40%	10-110%
4165-62-2	Phenol-d5	26%	10-110%
118-79-6	2,4,6-Tribromophenol	100%	29-139%
4165-60-0	Nitrobenzene-d5	84%	28-131%
321-60-8	2-Fluorobiphenyl	80%	30-121%
1718-51-0	Terphenyl-d14	88%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.05	15	ug/l	J
	system artifact	2.30	98	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JB68318
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
OP75376-MB1	M104965.D	1	06/09/14	SP	06/06/14	OP75376	EM4298

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
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
OP75376-MB1	M104965.D	1	06/09/14	SP	06/06/14	OP75376	EM4298

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
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
OP75376-MB1	M104965.D	1	06/09/14	SP	06/06/14	OP75376	EM4298

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	80%	13-110%
4165-62-2	Phenol-d5	87%	15-110%
118-79-6	2,4,6-Tribromophenol	95%	20-123%
4165-60-0	Nitrobenzene-d5	117%* [a]	10-110%
321-60-8	2-Fluorobiphenyl	89%	17-110%
1718-51-0	Terphenyl-d14	100%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.28	2900	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

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

Blank Spike Summary

Job Number: JB68318
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
OP75376-BS1	2M64178.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1240	87	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	1340	94	44-125
120-83-2	2,4-Dichlorophenol	1430	1260	88	41-120
105-67-9	2,4-Dimethylphenol	1430	1570	110	43-137
51-28-5	2,4-Dinitrophenol	2860	2210	77	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1310	92	37-136
95-48-7	2-Methylphenol	1430	1270	89	40-110
	3&4-Methylphenol	1430	1280	90	39-111
88-75-5	2-Nitrophenol	1430	1280	90	36-117
100-02-7	4-Nitrophenol	1430	1670	117	26-143
87-86-5	Pentachlorophenol	1430	1250	88	21-123
108-95-2	Phenol	1430	1250	88	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1250	88	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1290	90	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1260	88	48-119
83-32-9	Acenaphthene	1430	1290	90	46-110
208-96-8	Acenaphthylene	1430	1060	74	43-103
98-86-2	Acetophenone	1430	1310	92	35-120
120-12-7	Anthracene	1430	1330	93	56-118
1912-24-9	Atrazine	1430	1560	109	57-151
56-55-3	Benzo(a)anthracene	1430	1290	90	56-117
50-32-8	Benzo(a)pyrene	1430	1400	98	56-124
205-99-2	Benzo(b)fluoranthene	1430	1410	99	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1210	85	52-126
207-08-9	Benzo(k)fluoranthene	1430	1410	99	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1270	89	51-121
85-68-7	Butyl benzyl phthalate	1430	1420	99	52-133
92-52-4	1,1'-Biphenyl	1430	1290	90	42-122
100-52-7	Benzaldehyde	1430	1470	103	30-119
91-58-7	2-Chloronaphthalene	1430	1180	83	42-110
106-47-8	4-Chloroaniline	1430	992	69	32-102
86-74-8	Carbazole	1430	1270	89	53-119
105-60-2	Caprolactam	1430	1430	100	35-144
218-01-9	Chrysene	1430	1280	90	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1340	94	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1280	90	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
OP75376-BS1	2M64178.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1170	82	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1300	91	48-116
121-14-2	2,4-Dinitrotoluene	1430	1340	94	51-126
606-20-2	2,6-Dinitrotoluene	1430	1250	88	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	2120	74	49-115
123-91-1	1,4-Dioxane	1430	751	53	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1250	88	53-126
132-64-9	Dibenzofuran	1430	1340	94	45-114
84-74-2	Di-n-butyl phthalate	1430	1450	102	56-125
117-84-0	Di-n-octyl phthalate	1430	1680	118	49-145
84-66-2	Diethyl phthalate	1430	1370	96	52-118
131-11-3	Dimethyl phthalate	1430	1290	90	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1430	100	52-138
206-44-0	Fluoranthene	1430	1310	92	55-119
86-73-7	Fluorene	1430	1300	91	51-114
118-74-1	Hexachlorobenzene	1430	1170	82	47-122
87-68-3	Hexachlorobutadiene	1430	1170	82	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2650	93	22-126
67-72-1	Hexachloroethane	1430	1120	78	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1220	85	53-128
78-59-1	Isophorone	1430	1250	88	37-117
91-57-6	2-Methylnaphthalene	1430	1270	89	34-114
88-74-4	2-Nitroaniline	1430	1490	104	46-135
99-09-2	3-Nitroaniline	1430	1070	75	44-114
100-01-6	4-Nitroaniline	1430	1430	100	44-128
91-20-3	Naphthalene	1430	1160	81	37-104
98-95-3	Nitrobenzene	1430	1230	86	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1300	91	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1380	97	51-114
85-01-8	Phenanthrene	1430	1260	88	55-113
129-00-0	Pyrene	1430	1280	90	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1190	83	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
OP75376-BS1	2M64178.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	87%	13-110%
4165-62-2	Phenol-d5	89%	15-110%
118-79-6	2,4,6-Tribromophenol	89%	20-123%
4165-60-0	Nitrobenzene-d5	90%	10-110%
321-60-8	2-Fluorobiphenyl	85%	17-110%
1718-51-0	Terphenyl-d14	91%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
OP75387-BS1	3E61824.D	1	06/08/14	AD	06/06/14	OP75387	E3E2652

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	34.6	69	42-110
59-50-7	4-Chloro-3-methyl phenol	50	36.3	73	49-120
120-83-2	2,4-Dichlorophenol	50	36.5	73	47-114
105-67-9	2,4-Dimethylphenol	50	38.6	77	48-129
51-28-5	2,4-Dinitrophenol	100	94.9	95	26-153
534-52-1	4,6-Dinitro-o-cresol	50	53.7	107	44-132
95-48-7	2-Methylphenol	50	32.7	65	39-110
	3&4-Methylphenol	50	29.9	60	36-110
88-75-5	2-Nitrophenol	50	39.3	79	45-110
100-02-7	4-Nitrophenol	50	24.4	49	10-110
87-86-5	Pentachlorophenol	50	49.3	99	32-122
108-95-2	Phenol	50	18.2	36	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	48.9	98	47-119
95-95-4	2,4,5-Trichlorophenol	50	47.6	95	52-119
88-06-2	2,4,6-Trichlorophenol	50	48.0	96	51-118
83-32-9	Acenaphthene	50	46.1	92	46-108
208-96-8	Acenaphthylene	50	38.7	77	44-101
98-86-2	Acetophenone	50	39.3	79	39-125
120-12-7	Anthracene	50	48.9	98	60-117
1912-24-9	Atrazine	50	57.9	116	58-153
100-52-7	Benzaldehyde	50	48.6	97	32-119
56-55-3	Benzo(a)anthracene	50	48.7	97	59-116
50-32-8	Benzo(a)pyrene	50	52.8	106	61-122
205-99-2	Benzo(b)fluoranthene	50	51.3	103	56-129
191-24-2	Benzo(g,h,i)perylene	50	53.4	107	54-126
207-08-9	Benzo(k)fluoranthene	50	49.6	99	53-124
101-55-3	4-Bromophenyl phenyl ether	50	49.5	99	55-120
85-68-7	Butyl benzyl phthalate	50	48.3	97	42-138
92-52-4	1,1'-Biphenyl	50	43.2	86	41-123
91-58-7	2-Chloronaphthalene	50	41.3	83	38-107
106-47-8	4-Chloroaniline	50	25.6	51	38-110
86-74-8	Carbazole	50	44.1	88	55-121
105-60-2	Caprolactam	50	10.2	20	10-113
218-01-9	Chrysene	50	51.1	102	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	38.8	78	48-117
111-44-4	bis(2-Chloroethyl)ether	50	40.9	82	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
OP75387-BS1	3E61824.D	1	06/08/14	AD	06/06/14	OP75387	E3E2652

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	39.7	79	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	46.2	92	48-117
121-14-2	2,4-Dinitrotoluene	50	45.8	92	53-129
606-20-2	2,6-Dinitrotoluene	50	46.7	93	57-126
91-94-1	3,3'-Dichlorobenzidine	100	78.1	78	41-109
123-91-1	1,4-Dioxane	50	17.9	36	10-110
53-70-3	Dibenzo(a,h)anthracene	50	52.8	106	57-126
132-64-9	Dibenzofuran	50	43.7	87	46-112
84-74-2	Di-n-butyl phthalate	50	54.5	109	54-127
117-84-0	Di-n-octyl phthalate	50	48.5	97	55-142
84-66-2	Diethyl phthalate	50	49.7	99	35-130
131-11-3	Dimethyl phthalate	50	46.9	94	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	55.1	110	58-135
206-44-0	Fluoranthene	50	50.1	100	59-120
86-73-7	Fluorene	50	47.0	94	53-114
118-74-1	Hexachlorobenzene	50	47.1	94	52-120
87-68-3	Hexachlorobutadiene	50	28.4	57	10-111
77-47-4	Hexachlorocyclopentadiene	100	89.9	90	10-116
67-72-1	Hexachloroethane	50	31.5	63	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	53.7	107	56-127
78-59-1	Isophorone	50	37.2	74	45-119
91-57-6	2-Methylnaphthalene	50	35.0	70	30-112
88-74-4	2-Nitroaniline	50	51.9	104	46-136
99-09-2	3-Nitroaniline	50	38.5	77	46-113
100-01-6	4-Nitroaniline	50	49.7	99	47-129
91-20-3	Naphthalene	50	33.0	66	35-101
98-95-3	Nitrobenzene	50	35.8	72	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	42.9	86	40-118
86-30-6	N-Nitrosodiphenylamine	50	50.8	102	54-112
85-01-8	Phenanthrene	50	46.9	94	58-113
129-00-0	Pyrene	50	50.5	101	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	40.3	81	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68318
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
OP75387-BS1	3E61824.D	1	06/08/14	AD	06/06/14	OP75387	E3E2652

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	45%	10-110%
4165-62-2	Phenol-d5	31%	10-110%
118-79-6	2,4,6-Tribromophenol	109%	29-139%
4165-60-0	Nitrobenzene-d5	74%	28-131%
321-60-8	2-Fluorobiphenyl	84%	30-121%
1718-51-0	Terphenyl-d14	96%	16-147%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
OP75376-MS	2M64189.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723
OP75376-MSD	2M64190.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723
JB68465-45A	M104966.D	1	06/09/14	SP	06/06/14	OP75376	EM4298

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Compound	JB68465-45A 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		1610	1080	67	1740	1410	81	27	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1610	1290	80	1740	1540	88	18	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1610	1210	75	1740	1460	84	19	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1610	1530	95	1740	1860	107	19	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3230	735	23	3490	1180	34	46	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1610	508	31	1740	779	45	42	10-111/55
95-48-7	2-Methylphenol	ND		1610	1190	74	1740	1490	85	22	19-105/42
	3&4-Methylphenol	ND		1610	1190	74	1740	1480	85	22	17-108/43
88-75-5	2-Nitrophenol	ND		1610	1110	69	1740	1410	81	24	11-103/44
100-02-7	4-Nitrophenol	ND		1610	1630	101	1740	1960	112	18	10-141/48
87-86-5	Pentachlorophenol	ND		1610	1180	73	1740	1420	81	18	10-114/47
108-95-2	Phenol	ND		1610	1130	70	1740	1430	82	23	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1610	1210	75	1740	1440	83	17	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1610	1230	76	1740	1480	85	18	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1610	1220	76	1740	1500	86	21	21-117/40
83-32-9	Acenaphthene	ND		1610	1200	74	1740	1500	86	22	25-106/38
208-96-8	Acenaphthylene	ND		1610	997	62	1740	1240	71	22	21-110/39
98-86-2	Acetophenone	ND		1610	1120	69	1740	1460	84	26	13-117/43
120-12-7	Anthracene	ND		1610	1200	74	1740	1500	86	22	27-123/40
1912-24-9	Atrazine	ND		1610	1420	88	1740	1760	101	21	31-147/39
56-55-3	Benzo(a)anthracene	19.8	J	1610	1150	70	1740	1450	82	23	22-127/44
50-32-8	Benzo(a)pyrene	27.3	J	1610	1220	74	1740	1570	88	25	22-132/42
205-99-2	Benzo(b)fluoranthene	33.3		1610	1220	74	1740	1620	91	28	17-141/45
191-24-2	Benzo(g,h,i)perylene	22.0	J	1610	1200	73	1740	1570	89	27	23-129/42
207-08-9	Benzo(k)fluoranthene	14.4	J	1610	1200	73	1740	1480	84	21	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1610	1160	72	1740	1460	84	23	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1610	1280	79	1740	1610	92	23	26-134/40
92-52-4	1,1'-Biphenyl	ND		1610	1220	76	1740	1550	89	24	22-114/41
100-52-7	Benzaldehyde	ND		1610	1250	77	1740	1580	91	23	10-115/42
91-58-7	2-Chloronaphthalene	ND		1610	1080	67	1740	1370	79	24	24-101/40
106-47-8	4-Chloroaniline	ND		1610	1030	64	1740	1080	62	5	15-110/44
86-74-8	Carbazole	ND		1610	1160	72	1740	1420	81	20	27-123/38
105-60-2	Caprolactam	ND		1610	1310	81	1740	1580	91	19	10-141/42
218-01-9	Chrysene	21.9	J	1610	1150	70	1740	1430	81	22	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1610	1190	74	1740	1540	88	26	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1610	1070	66	1740	1410	81	27	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
OP75376-MS	2M64189.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723
OP75376-MSD	2M64190.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723
JB68465-45A	M104966.D	1	06/09/14	SP	06/06/14	OP75376	EM4298

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Compound	JB68465-45A 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		1610	995	62	1740	1310	75	27	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1610	1160	72	1740	1460	84	23	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1610	1160	72	1740	1470	84	24	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1610	1130	70	1740	1390	80	21	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3230	2470	77	3490	3130	90	24	10-121/45
123-91-1	1,4-Dioxane	ND		1610	606	38	1740	775	44	24	10-110/48
53-70-3	Dibenzo(a,h)anthracene	ND		1610	1180	73	1740	1530	88	26	26-129/42
132-64-9	Dibenzofuran	ND		1610	1250	77	1740	1550	89	21	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1610	1240	77	1740	1560	89	23	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1610	1380	86	1740	1770	102	25	25-140/43
84-66-2	Diethyl phthalate	ND		1610	1220	76	1740	1540	88	23	32-115/37
131-11-3	Dimethyl phthalate	ND		1610	1170	73	1740	1470	84	23	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1610	1310	81	1740	1630	93	22	26-140/43
206-44-0	Fluoranthene	34.2		1610	1110	67	1740	1330	74	18	16-134/44
86-73-7	Fluorene	ND		1610	1210	75	1740	1520	87	23	24-116/39
118-74-1	Hexachlorobenzene	ND		1610	1040	64	1740	1340	77	25	24-118/41
87-68-3	Hexachlorobutadiene	ND		1610	949	59	1740	1290	74	30	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3230	938	29	3490	1490	43	45	10-110/52
67-72-1	Hexachloroethane	ND		1610	850	53	1740	1130	65	28	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	24.5	J	1610	1190	72	1740	1540	87	26	23-132/43
78-59-1	Isophorone	ND		1610	1120	69	1740	1420	81	24	22-105/41
91-57-6	2-Methylnaphthalene	ND		1610	1160	72	1740	1450	83	22	16-108/40
88-74-4	2-Nitroaniline	ND		1610	1470	91	1740	1820	104	21	23-130/39
99-09-2	3-Nitroaniline	ND		1610	1140	71	1740	1260	72	10	19-116/40
100-01-6	4-Nitroaniline	ND		1610	1210	75	1740	1420	81	16	18-124/42
91-20-3	Naphthalene	ND		1610	986	61	1740	1290	74	27	13-103/41
98-95-3	Nitrobenzene	ND		1610	1070	66	1740	1400	80	27	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1610	1160	72	1740	1490	85	25	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1610	1270	79	1740	1620	93	24	26-119/38
85-01-8	Phenanthrene	15.1	J	1610	1160	71	1740	1420	81	20	19-126/42
129-00-0	Pyrene	35.8		1610	1200	72	1740	1520	85	24	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1610	1080	67	1740	1400	80	26	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
OP75376-MS	2M64189.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723
OP75376-MSD	2M64190.D	1	06/07/14	HK	06/06/14	OP75376	E2M2723
JB68465-45A	M104966.D	1	06/09/14	SP	06/06/14	OP75376	EM4298

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

CAS No.	Surrogate Recoveries	MS	MSD	JB68465-45A	Limits
367-12-4	2-Fluorophenol	64%	78%	69%	13-110%
4165-62-2	Phenol-d5	69%	81%	74%	15-110%
118-79-6	2,4,6-Tribromophenol	71%	81%	101%	20-123%
4165-60-0	Nitrobenzene-d5	70%	84%	96%	10-110%
321-60-8	2-Fluorobiphenyl	68%	81%	81%	17-110%
1718-51-0	Terphenyl-d14	70%	82%	102%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
OP75387-MS	3E61861.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653
OP75387-MSD	3E61862.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653
JB68342-6	3E61863.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Compound	JB68342-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		100	78.2	78	100	81.5	82	4	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		100	79.4	79	100	81.8	82	3	40-130/28
120-83-2	2,4-Dichlorophenol	ND		100	74.8	75	100	75.9	76	1	27-128/34
105-67-9	2,4-Dimethylphenol	ND		100	85.3	85	100	84.9	85	0	32-145/31
51-28-5	2,4-Dinitrophenol	ND		200	196	98	200	202	101	3	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		100	105	105	100	108	108	3	10-147/42
95-48-7	2-Methylphenol	ND		100	79.4	79	100	81.5	82	3	29-111/29
	3&4-Methylphenol	ND		100	76.3	76	100	78.4	78	3	26-114/29
88-75-5	2-Nitrophenol	ND		100	81.6	82	100	83.2	83	2	27-121/35
100-02-7	4-Nitrophenol	ND		100	76.4	76	100	77.3	77	1	10-135/37
87-86-5	Pentachlorophenol	ND		100	103	103	100	102	102	1	21-133/35
108-95-2	Phenol	ND		100	52.6	53	100	54.0	54	3	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		100	100	100	100	101	101	1	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		100	97.4	97	100	98.8	99	1	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		100	101	101	100	102	102	1	31-130/34
83-32-9	Acenaphthene	ND		100	99.8	100	100	100	100	0	41-112/29
208-96-8	Acenaphthylene	ND		100	81.5	82	100	81.8	82	0	42-101/29
98-86-2	Acetophenone	ND		100	88.2	88	100	91.2	91	3	24-142/31
120-12-7	Anthracene	ND		100	102	102	100	101	101	1	52-122/26
1912-24-9	Atrazine	ND		100	122	122	100	120	120	2	42-160/26
100-52-7	Benzaldehyde	ND		100	98.5	99	100	97.9	98	1	17-130/33
56-55-3	Benzo(a)anthracene	ND		100	102	102	100	100	100	2	50-122/26
50-32-8	Benzo(a)pyrene	ND		100	106	106	100	105	105	1	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		100	106	106	100	106	106	0	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		100	99.7	100	100	100	100	0	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		100	101	101	100	99.1	99	2	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		100	101	101	100	100	100	1	51-122/26
85-68-7	Butyl benzyl phthalate	ND		100	105	105	100	105	105	0	37-145/29
92-52-4	1,1'-Biphenyl	ND		100	93.9	94	100	94.6	95	1	40-122/30
91-58-7	2-Chloronaphthalene	ND		100	88.3	88	100	89.2	89	1	36-108/30
106-47-8	4-Chloroaniline	ND		100	45.8	46	100	46.2	46	1	24-110/32
86-74-8	Carbazole	ND		100	93.3	93	100	93.5	94	0	47-128/25
105-60-2	Caprolactam	ND		100	39.4	39	100	36.9	37	7	10-110/44
218-01-9	Chrysene	ND		100	105	105	100	104	104	1	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		100	81.2	81	100	82.7	83	2	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		100	87.7	88	100	91.5	92	4	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
OP75387-MS	3E61861.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653
OP75387-MSD	3E61862.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653
JB68342-6	3E61863.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Compound	JB68342-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	87.3	87	100	89.8	90	3	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	97.9	98	100	97.5	98	0	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		100	98.9	99	100	96.7	97	2	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		100	98.2	98	100	98.7	99	1	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		200	157	79	200	158	79	1	14-119/33
123-91-1	1,4-Dioxane	ND		100	52.9	53	100	54.0	54	2	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		100	98.3	98	100	99.0	99	1	49-130/28
132-64-9	Dibenzofuran	ND		100	92.9	93	100	93.9	94	1	44-114/28
84-74-2	Di-n-butyl phthalate	ND		100	119	119	100	119	119	0	47-131/27
117-84-0	Di-n-octyl phthalate	ND		100	109	109	100	108	108	1	47-148/29
84-66-2	Diethyl phthalate	ND		100	108	108	100	107	107	1	32-131/29
131-11-3	Dimethyl phthalate	ND		100	101	101	100	100	100	1	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	124	124	100	125	125	1	48-144/27
206-44-0	Fluoranthene	ND		100	104	104	100	103	103	1	51-123/27
86-73-7	Fluorene	ND		100	101	101	100	99.3	99	2	50-116/26
118-74-1	Hexachlorobenzene	ND		100	93.7	94	100	91.1	91	3	45-123/26
87-68-3	Hexachlorobutadiene	ND		100	66.8	67	100	69.4	69	4	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		200	181	91	200	186	93	3	10-113/37
67-72-1	Hexachloroethane	ND		100	74.5	75	100	79.6	80	7	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	103	103	100	103	103	0	48-131/27
78-59-1	Isophorone	ND		100	78.3	78	100	80.7	81	3	42-119/30
91-57-6	2-Methylnaphthalene	ND		100	73.7	74	100	75.3	75	2	22-120/32
88-74-4	2-Nitroaniline	ND		100	116	116	100	119	119	3	43-138/29
99-09-2	3-Nitroaniline	ND		100	80.1	80	100	76.0	76	5	34-116/26
100-01-6	4-Nitroaniline	ND		100	101	101	100	101	101	0	36-131/28
91-20-3	Naphthalene	ND		100	72.3	72	100	74.2	74	3	25-108/32
98-95-3	Nitrobenzene	ND		100	78.7	79	100	80.0	80	2	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		100	95.2	95	100	98.0	98	3	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		100	107	107	100	106	106	1	46-120/26
85-01-8	Phenanthrene	ND		100	99.2	99	100	96.5	97	3	51-117/25
129-00-0	Pyrene	ND		100	106	106	100	103	103	3	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		100	84.9	85	100	85.9	86	1	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68318
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
OP75387-MS	3E61861.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653
OP75387-MSD	3E61862.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653
JB68342-6	3E61863.D	1	06/09/14	SP	06/06/14	OP75387	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68318-6

CAS No.	Surrogate Recoveries	MS	MSD	JB68342-6	Limits
367-12-4	2-Fluorophenol	60%	62%		10-110%
4165-62-2	Phenol-d5	49%	50%		10-110%
118-79-6	2,4,6-Tribromophenol	107%	106%		29-139%
4165-60-0	Nitrobenzene-d5	79%	81%	78%	28-131%
321-60-8	2-Fluorobiphenyl	87%	86%	77%	30-121%
1718-51-0	Terphenyl-d14	88%	96%	82%	16-147%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2718-DFTPP	**Injection Date:**	06/03/14
Lab File ID:	2M64044.D	**Injection Time:**	12:26
Instrument ID:	GCMS2M		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	63157	32.4		Pass
68	Less than 2.0% of mass 69	1129	0.58	(1.35) [a]	Pass
69	Mass 69 relative abundance	83578	42.9		Pass
70	Less than 2.0% of mass 69	349	0.18	(0.42) [a]	Pass
127	40.0 - 60.0% of mass 198	114615	58.8		Pass
197	Less than 1.0% of mass 198	849	0.44		Pass
198	Base peak, 100% relative abundance	194770	100.0		Pass
199	5.0 - 9.0% of mass 198	12801	6.57		Pass
275	10.0 - 30.0% of mass 198	46653	24.0		Pass
365	1.0 - 100.0% of mass 198	5445	2.80		Pass
441	Present, but less than mass 443	23267	11.9	(74.5) [b]	Pass
442	40.0 - 100.0% of mass 198	162368	83.4		Pass
443	17.0 - 23.0% of mass 442	31237	16.0	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M2718-IC2718	2M64045.D	06/03/14	12:51	00:25	Initial cal 25
E2M2718-IC2718	2M64046.D	06/03/14	13:57	01:31	Initial cal 100
E2M2718-IC2718	2M64047.D	06/03/14	14:40	02:14	Initial cal 1
E2M2718-IC2718	2M64048.D	06/03/14	15:11	02:45	Initial cal 2
E2M2718-IC2718	2M64049.D	06/03/14	15:37	03:11	Initial cal 5
E2M2718-ICC2718	2M64050.D	06/03/14	16:03	03:37	Initial cal 50
E2M2718-IC2718	2M64051.D	06/03/14	16:30	04:04	Initial cal 10
E2M2718-IC2718	2M64052.D	06/03/14	16:56	04:30	Initial cal 80
E2M2718-ICV2718	2M64053.D	06/03/14	17:23	04:57	Initial cal verification 50
E2M2718-ICV2718	2M64054.D	06/03/14	17:49	05:23	Initial cal verification 50
E2M2718-ICV2718	2M64055.D	06/03/14	18:15	05:49	Initial cal verification 50
E2M2718-ICV2718	2M64056.D	06/03/14	18:42	06:16	Initial cal verification 50
E2M2718-ICV2718	2M64057.D	06/03/14	19:08	06:42	Initial cal verification 50
E2M2718-ICV2718	2M64058.D	06/03/14	19:35	07:09	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E2M2719-DFTPP
Lab File ID: 2M64064.D
Instrument ID: GCMS2M
Injection Date: 06/04/14
Injection Time: 09:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	62866	32.5		Pass
68	Less than 2.0% of mass 69	1183	0.61	(1.47) [a]	Pass
69	Mass 69 relative abundance	80371	41.6		Pass
70	Less than 2.0% of mass 69	128	0.07	(0.16) [a]	Pass
127	40.0 - 60.0% of mass 198	113587	58.8		Pass
197	Less than 1.0% of mass 198	1338	0.69		Pass
198	Base peak, 100% relative abundance	193242	100.0		Pass
199	5.0 - 9.0% of mass 198	12981	6.72		Pass
275	10.0 - 30.0% of mass 198	48080	24.9		Pass
365	1.0 - 100.0% of mass 198	5220	2.70		Pass
441	Present, but less than mass 443	23087	11.9	(72.5) [b]	Pass
442	40.0 - 100.0% of mass 198	165858	85.8		Pass
443	17.0 - 23.0% of mass 442	31864	16.5	(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
E2M2719-IC2719	2M64065.D	06/04/14	09:42	00:12	Initial cal 100
E2M2719-IC2719	2M64066.D	06/04/14	10:08	00:38	Initial cal 80
E2M2719-ICC2719	2M64067.D	06/04/14	10:34	01:04	Initial cal 50
E2M2719-IC2719	2M64068.D	06/04/14	11:01	01:31	Initial cal 25
E2M2719-IC2719	2M64069.D	06/04/14	11:30	02:00	Initial cal 10
E2M2719-IC2719	2M64070.D	06/04/14	11:57	02:27	Initial cal 5
E2M2719-IC2719	2M64071.D	06/04/14	12:23	02:53	Initial cal 2
E2M2719-IC2719	2M64072.D	06/04/14	12:50	03:20	Initial cal 1
E2M2719-ICV2719	2M64073.D	06/04/14	13:16	03:46	Initial cal verification 50
E2M2719-ICV2719	2M64074.D	06/04/14	13:43	04:13	Initial cal verification 50
E2M2719-ICV2719	2M64075.D	06/04/14	14:09	04:39	Initial cal verification 50
E2M2719-ICV2719	2M64076.D	06/04/14	14:36	05:06	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2723-DFTPP	**Injection Date:**	06/07/14
Lab File ID:	2M64173.D	**Injection Time:**	10:25
Instrument ID:	GCMS2M		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	58921	30.8		Pass
68	Less than 2.0% of mass 69	972	0.51	(1.33) [a]	Pass
69	Mass 69 relative abundance	72864	38.1		Pass
70	Less than 2.0% of mass 69	457	0.24	(0.63) [a]	Pass
127	40.0 - 60.0% of mass 198	106448	55.7		Pass
197	Less than 1.0% of mass 198	1185	0.62		Pass
198	Base peak, 100% relative abundance	191248	100.0		Pass
199	5.0 - 9.0% of mass 198	13397	7.01		Pass
275	10.0 - 30.0% of mass 198	43546	22.8		Pass
365	1.0 - 100.0% of mass 198	5462	2.86		Pass
441	Present, but less than mass 443	18802	9.83	(69.4) [b]	Pass
442	40.0 - 100.0% of mass 198	142024	74.3		Pass
443	17.0 - 23.0% of mass 442	27102	14.2	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M2723-CC2718	2M64174.D	06/07/14	10:42	00:17	Continuing cal 25
E2M2723-CC2719	2M64175.D	06/07/14	11:13	00:48	Continuing cal 25
OP75376-MB1	2M64177.D	06/07/14	12:07	01:42	Method Blank
OP75376-BS1	2M64178.D	06/07/14	12:33	02:08	Blank Spike
OP75331-MB1	2M64183.D	06/07/14	13:00	02:35	Method Blank
ZZZZZZ	2M64179.D	06/07/14	13:26	03:01	(unrelated sample)
ZZZZZZ	2M64180.D	06/07/14	13:52	03:27	(unrelated sample)
ZZZZZZ	2M64181.D	06/07/14	14:18	03:53	(unrelated sample)
ZZZZZZ	2M64182.D	06/07/14	14:45	04:20	(unrelated sample)
ZZZZZZ	2M64184.D	06/07/14	15:11	04:46	(unrelated sample)
ZZZZZZ	2M64185.D	06/07/14	15:38	05:13	(unrelated sample)
ZZZZZZ	2M64186.D	06/07/14	16:04	05:39	(unrelated sample)
ZZZZZZ	2M64187.D	06/07/14	16:30	06:05	(unrelated sample)
OP75376-MS	2M64189.D	06/07/14	17:24	06:59	Matrix Spike
OP75376-MSD	2M64190.D	06/07/14	17:50	07:25	Matrix Spike Duplicate
ZZZZZZ	2M64191.D	06/07/14	19:10	08:45	(unrelated sample)
ZZZZZZ	2M64192.D	06/07/14	19:36	09:11	(unrelated sample)
ZZZZZZ	2M64193.D	06/07/14	20:03	09:38	(unrelated sample)
ZZZZZZ	2M64194.D	06/07/14	20:29	10:04	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2723-DFTPP	**Injection Date:**	06/07/14
Lab File ID:	2M64173.D	**Injection Time:**	10:25
Instrument ID:	GCMS2M		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2M64196.D	06/07/14	20:56	10:31	(unrelated sample)
ZZZZZZ	2M64197.D	06/07/14	21:23	10:58	(unrelated sample)
ZZZZZZ	2M64198.D	06/07/14	21:49	11:24	(unrelated sample)
ZZZZZZ	2M64199.D	06/07/14	22:15	11:50	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2729-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	2M64365.D	**Injection Time:**	16:56
Instrument ID:	GCMS2M		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	66922	32.7		Pass
68	Less than 2.0% of mass 69	1302	0.64	(1.54) [a]	Pass
69	Mass 69 relative abundance	84793	41.5		Pass
70	Less than 2.0% of mass 69	376	0.18	(0.44) [a]	Pass
127	40.0 - 60.0% of mass 198	116296	56.9		Pass
197	Less than 1.0% of mass 198	946	0.46		Pass
198	Base peak, 100% relative abundance	204480	100.0		Pass
199	5.0 - 9.0% of mass 198	14288	6.99		Pass
275	10.0 - 30.0% of mass 198	43674	21.4		Pass
365	1.0 - 100.0% of mass 198	5038	2.46		Pass
441	Present, but less than mass 443	26539	13.0	(77.8) [b]	Pass
442	40.0 - 100.0% of mass 198	182106	89.1		Pass
443	17.0 - 23.0% of mass 442	34106	16.7	(18.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M2729-IC2729	2M64366.D	06/12/14	17:08	00:12	Initial cal 100
E2M2729-IC2729	2M64367.D	06/12/14	17:35	00:39	Initial cal 80
E2M2729-ICC2729	2M64368.D	06/12/14	18:01	01:05	Initial cal 50
E2M2729-IC2729	2M64369.D	06/12/14	18:28	01:32	Initial cal 25
E2M2729-IC2729	2M64370.D	06/12/14	18:54	01:58	Initial cal 10
E2M2729-IC2729	2M64371.D	06/12/14	19:21	02:25	Initial cal 5
E2M2729-IC2729	2M64372.D	06/12/14	19:48	02:52	Initial cal 2
E2M2729-IC2729	2M64373.D	06/12/14	20:14	03:18	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2730-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	2M64374.D	**Injection Time:**	10:16
Instrument ID:	GCMS2M		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	83710	36.7		Pass
68	Less than 2.0% of mass 69	1467	0.64	(1.47) [a]	Pass
69	Mass 69 relative abundance	99772	43.7		Pass
70	Less than 2.0% of mass 69	501	0.22	(0.50) [a]	Pass
127	40.0 - 60.0% of mass 198	135569	59.4		Pass
197	Less than 1.0% of mass 198	830	0.36		Pass
198	Base peak, 100% relative abundance	228181	100.0		Pass
199	5.0 - 9.0% of mass 198	15241	6.68		Pass
275	10.0 - 30.0% of mass 198	46880	20.5		Pass
365	1.0 - 100.0% of mass 198	5260	2.31		Pass
441	Present, but less than mass 443	27785	12.2	(76.0) [b]	Pass
442	40.0 - 100.0% of mass 198	190680	83.6		Pass
443	17.0 - 23.0% of mass 442	36562	16.0	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M2730-IC2730	2M64375.D	06/13/14	10:30	00:14	Initial cal 100
E2M2730-IC2730	2M64376.D	06/13/14	10:56	00:40	Initial cal 80
E2M2730-ICC2730	2M64377.D	06/13/14	11:22	01:06	Initial cal 50
E2M2730-IC2730	2M64378.D	06/13/14	11:49	01:33	Initial cal 25
E2M2730-IC2730	2M64380.D	06/13/14	12:42	02:26	Initial cal 5
E2M2730-IC2730	2M64390.D	06/13/14	13:09	02:53	Initial cal 10
E2M2730-IC2730	2M64381.D	06/13/14	13:35	03:19	Initial cal 2
E2M2730-IC2730	2M64382.D	06/13/14	14:02	03:46	Initial cal 1
E2M2730-ICV2730	2M64384A.D	06/13/14	14:55	04:39	Initial cal verification 50
E2M2730-ICV2729	2M64384.D	06/13/14	14:55	04:39	Initial cal verification 50
E2M2730-ICV2729	2M64385.D	06/13/14	15:22	05:06	Initial cal verification 50
E2M2730-ICV2730	2M64385A.D	06/13/14	15:22	05:06	Initial cal verification 50
E2M2730-ICV2729	2M64386.D	06/13/14	15:49	05:33	Initial cal verification 50
E2M2730-ICV2730	2M64388A.D	06/13/14	16:42	06:26	Initial cal verification 50
E2M2730-ICV2729	2M64388.D	06/13/14	16:42	06:26	Initial cal verification 50
E2M2730-ICV2730	2M64389.D	06/13/14	17:09	06:53	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2731-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	2M64392.D	**Injection Time:**	22:33
Instrument ID:	GCMS2M		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	43106	36.7		Pass
68	Less than 2.0% of mass 69	737	0.63	(1.42) [a]	Pass
69	Mass 69 relative abundance	52077	44.4		Pass
70	Less than 2.0% of mass 69	237	0.20	(0.46) [a]	Pass
127	40.0 - 60.0% of mass 198	69867	59.5		Pass
197	Less than 1.0% of mass 198	258	0.22		Pass
198	Base peak, 100% relative abundance	117386	100.0		Pass
199	5.0 - 9.0% of mass 198	8119	6.92		Pass
275	10.0 - 30.0% of mass 198	22058	18.8		Pass
365	1.0 - 100.0% of mass 198	2706	2.31		Pass
441	Present, but less than mass 443	13425	11.4	(77.5) [b]	Pass
442	40.0 - 100.0% of mass 198	89309	76.1		Pass
443	17.0 - 23.0% of mass 442	17321	14.8	(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
E2M2731-ICV2729	2M64393.D	06/13/14	22:47	00:14	Initial cal verification 50
E2M2731-ICV2729	2M64394.D	06/13/14	23:14	00:41	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E2M2732-DFTPP
Lab File ID: 2M64395.D
Instrument ID: GCMS2M
Injection Date: 06/13/14
Injection Time: 23:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	45063	37.8		Pass
68	Less than 2.0% of mass 69	898	0.75	(1.67) [a]	Pass
69	Mass 69 relative abundance	53724	45.0		Pass
70	Less than 2.0% of mass 69	233	0.20	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	70234	58.8		Pass
197	Less than 1.0% of mass 198	374	0.31		Pass
198	Base peak, 100% relative abundance	119365	100.0		Pass
199	5.0 - 9.0% of mass 198	7899	6.62		Pass
275	10.0 - 30.0% of mass 198	22796	19.1		Pass
365	1.0 - 100.0% of mass 198	2587	2.17		Pass
441	Present, but less than mass 443	12456	10.4	(73.7) [b]	Pass
442	40.0 - 100.0% of mass 198	88320	74.0		Pass
443	17.0 - 23.0% of mass 442	16896	14.2	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M2732-CC2729	2M64396.D	06/13/14	23:48	00:12	Continuing cal 50
E2M2732-CC2730	2M64397.D	06/14/14	00:17	00:41	Continuing cal 50
OP75578-MB1	2M64398.D	06/14/14	00:43	01:07	Method Blank
OP75578-BS1	2M64399.D	06/14/14	01:10	01:34	Blank Spike
ZZZZZZ	2M64402.D	06/14/14	02:29	02:53	(unrelated sample)
ZZZZZZ	2M64403.D	06/14/14	02:55	03:19	(unrelated sample)
ZZZZZZ	2M64404.D	06/14/14	03:22	03:46	(unrelated sample)
ZZZZZZ	2M64405.D	06/14/14	03:48	04:12	(unrelated sample)
ZZZZZZ	2M64406.D	06/14/14	04:14	04:38	(unrelated sample)
ZZZZZZ	2M64407.D	06/14/14	04:41	05:05	(unrelated sample)
ZZZZZZ	2M64408.D	06/14/14	05:07	05:31	(unrelated sample)
JB68318-1	2M64409.D	06/14/14	05:33	05:57	319-PE-62
JB68318-2	2M64410.D	06/14/14	05:59	06:23	320-DUP-4
JB68318-3	2M64411.D	06/14/14	06:25	06:49	321-PE-61
JB68318-4	2M64412.D	06/14/14	06:51	07:15	322-PE-40
JB68318-5	2M64413.D	06/14/14	07:17	07:41	323-PE-63
JB68318-8	2M64414.D	06/14/14	07:44	08:08	326-PE-59
JB68318-9	2M64415.D	06/14/14	08:10	08:34	327-PE-41
JB68318-10	2M64416.D	06/14/14	08:36	09:00	328-PE-44

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2732-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	2M64395.D	**Injection Time:**	23:36
Instrument ID:	GCMS2M		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2M64417.D	06/14/14	09:02	09:26	(unrelated sample)
ZZZZZZ	2M64418.D	06/14/14	09:28	09:52	(unrelated sample)
ZZZZZZ	2M64419.D	06/14/14	09:55	10:19	(unrelated sample)
ZZZZZZ	2M64420.D	06/14/14	10:21	10:45	(unrelated sample)
ZZZZZZ	2M64421.D	06/14/14	10:47	11:11	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68318
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: JB68318
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: JB68318
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: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2652-DFTPP	**Injection Date:**	06/08/14
Lab File ID:	3E61817.D	**Injection Time:**	13:43
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	26519	31.3		Pass
68	Less than 2.0% of mass 69	416	0.49	(1.39) [a]	Pass
69	Mass 69 relative abundance	29832	35.2		Pass
70	Less than 2.0% of mass 69	172	0.20	(0.58) [a]	Pass
127	40.0 - 60.0% of mass 198	42989	50.8		Pass
197	Less than 1.0% of mass 198	166	0.20		Pass
198	Base peak, 100% relative abundance	84653	100.0		Pass
199	5.0 - 9.0% of mass 198	5795	6.85		Pass
275	10.0 - 30.0% of mass 198	20498	24.2		Pass
365	1.0 - 100.0% of mass 198	2284	2.70		Pass
441	Present, but less than mass 443	7817	9.23	(80.4) [b]	Pass
442	40.0 - 100.0% of mass 198	52298	61.8		Pass
443	17.0 - 23.0% of mass 442	9721	11.5	(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
E3E2652-CC2646	3E61818.D	06/08/14	13:56	00:13	Continuing cal 25
E3E2652-CC2647	3E61819.D	06/08/14	14:24	00:41	Continuing cal 25
OP75417-MB1	3E61821.D	06/08/14	15:21	01:38	Method Blank
OP75417-BS1	3E61822.D	06/08/14	15:48	02:05	Blank Spike
OP75387-MB1	3E61823.D	06/08/14	16:17	02:34	Method Blank
OP75387-BS1	3E61824.D	06/08/14	16:44	03:01	Blank Spike
ZZZZZZ	3E61825.D	06/08/14	17:12	03:29	(unrelated sample)
ZZZZZZ	3E61826.D	06/08/14	17:40	03:57	(unrelated sample)
ZZZZZZ	3E61827.D	06/08/14	18:08	04:25	(unrelated sample)
JB68318-6	3E61828.D	06/08/14	18:35	04:52	324-FB-9
ZZZZZZ	3E61829.D	06/08/14	19:04	05:21	(unrelated sample)
ZZZZZZ	3E61830.D	06/08/14	19:32	05:49	(unrelated sample)
ZZZZZZ	3E61831.D	06/08/14	20:00	06:17	(unrelated sample)
ZZZZZZ	3E61832.D	06/08/14	20:28	06:45	(unrelated sample)
ZZZZZZ	3E61833.D	06/08/14	20:56	07:13	(unrelated sample)
OP75417-MS	3E61834.D	06/08/14	21:24	07:41	Matrix Spike
OP75417-MSD	3E61835.D	06/08/14	21:52	08:09	Matrix Spike Duplicate
JB68594-28A	3E61836.D	06/08/14	22:20	08:37	(used for QC only; not part of job JB68318)
ZZZZZZ	3E61837.D	06/08/14	22:48	09:05	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2652-DFTPP	**Injection Date:**	06/08/14
Lab File ID:	3E61817.D	**Injection Time:**	13:43
Instrument ID:	GCMS3E		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3E61838.D	06/08/14	23:15	09:32	(unrelated sample)
ZZZZZZ	3E61839.D	06/08/14	23:43	10:00	(unrelated sample)
ZZZZZZ	3E61840.D	06/09/14	00:11	10:28	(unrelated sample)
ZZZZZZ	3E61841.D	06/09/14	00:38	10:55	(unrelated sample)
ZZZZZZ	3E61842.D	06/09/14	01:06	11:23	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2653-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	3E61843.D	**Injection Time:**	09:06
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	29053	37.4		Pass
68	Less than 2.0% of mass 69	292	0.38	(0.98) [a]	Pass
69	Mass 69 relative abundance	29769	38.3		Pass
70	Less than 2.0% of mass 69	231	0.30	(0.78) [a]	Pass
127	40.0 - 60.0% of mass 198	41471	53.3		Pass
197	Less than 1.0% of mass 198	127	0.16		Pass
198	Base peak, 100% relative abundance	77762	100.0		Pass
199	5.0 - 9.0% of mass 198	5150	6.62		Pass
275	10.0 - 30.0% of mass 198	18610	23.9		Pass
365	1.0 - 100.0% of mass 198	2089	2.69		Pass
441	Present, but less than mass 443	6679	8.59	(78.0) [b]	Pass
442	40.0 - 100.0% of mass 198	44658	57.4		Pass
443	17.0 - 23.0% of mass 442	8563	11.0	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2653-CC2646	3E61844.D	06/09/14	09:19	00:13	Continuing cal 50
E3E2653-CC2647	3E61845.D	06/09/14	09:47	00:41	Continuing cal 50
OP75279-MB1	3E61847.D	06/09/14	11:58	02:52	Method Blank
OP75403-MB1	3E61850.D	06/09/14	12:26	03:20	Method Blank
ZZZZZZ	3E61851.D	06/09/14	12:54	03:48	(unrelated sample)
OP75285-MB1	3E61852.D	06/09/14	13:23	04:17	Method Blank
OP75285-BS1	3E61853.D	06/09/14	13:51	04:45	Blank Spike
ZZZZZZ	3E61854.D	06/09/14	14:18	05:12	(unrelated sample)
ZZZZZZ	3E61854R.D	06/09/14	14:18	05:12	(unrelated sample)
ZZZZZZ	3E61855.D	06/09/14	14:46	05:40	(unrelated sample)
ZZZZZZ	3E61855R.D	06/09/14	14:46	05:40	(unrelated sample)
ZZZZZZ	3E61856.D	06/09/14	15:14	06:08	(unrelated sample)
ZZZZZZ	3E61856R.D	06/09/14	15:14	06:08	(unrelated sample)
ZZZZZZ	3E61857.D	06/09/14	15:42	06:36	(unrelated sample)
ZZZZZZ	3E61857R.D	06/09/14	15:42	06:36	(unrelated sample)
ZZZZZZ	3E61858.D	06/09/14	16:10	07:04	(unrelated sample)
ZZZZZZ	3E61859R.D	06/09/14	16:38	07:32	(unrelated sample)
ZZZZZZ	3E61859.D	06/09/14	16:38	07:32	(unrelated sample)
ZZZZZZ	3E61860.D	06/09/14	17:06	08:00	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2653-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	3E61843.D	**Injection Time:**	09:06
Instrument ID:	GCMS3E		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP75387-MS	3E61861.D	06/09/14	17:34	08:28	Matrix Spike
OP75387-MSD	3E61862.D	06/09/14	18:01	08:55	Matrix Spike Duplicate
JB68342-6	3E61863.D	06/09/14	18:29	09:23	(used for QC only; not part of job JB68318)
OP75285-MS	3E61864.D	06/09/14	18:57	09:51	Matrix Spike
OP75285-MSD	3E61865.D	06/09/14	19:25	10:19	Matrix Spike Duplicate
JB68173-1	3E61866.D	06/09/14	19:53	10:47	(used for QC only; not part of job JB68318)
ZZZZZZ	3E61867.D	06/09/14	20:21	11:15	(unrelated sample)
ZZZZZZ	3E61868.D	06/09/14	20:49	11:43	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4271-DFTPP	**Injection Date:**	05/13/14
Lab File ID:	M104363.D	**Injection Time:**	14:45
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	70538	37.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	93427	49.9		Pass
70	Less than 2.0% of mass 69	573	0.31	(0.61) [a]	Pass
127	40.0 - 60.0% of mass 198	97544	52.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	187248	100.0		Pass
199	5.0 - 9.0% of mass 198	12356	6.60		Pass
275	10.0 - 30.0% of mass 198	38991	20.8		Pass
365	1.0 - 100.0% of mass 198	4341	2.32		Pass
441	Present, but less than mass 443	18055	9.64	(76.3) [b]	Pass
442	40.0 - 100.0% of mass 198	117493	62.7		Pass
443	17.0 - 23.0% of mass 442	23673	12.6	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4271-IC4271	M104364.D	05/13/14	14:59	00:14	Initial cal 100
EM4271-IC4271	M104365.D	05/13/14	15:39	00:54	Initial cal 1
EM4271-IC4271	M104366.D	05/13/14	16:08	01:23	Initial cal 80
EM4271-ICC4271	M104367.D	05/13/14	16:37	01:52	Initial cal 50
EM4271-IC4271	M104368.D	05/13/14	17:06	02:21	Initial cal 25
EM4271-IC4271	M104369.D	05/13/14	17:35	02:50	Initial cal 10
EM4271-IC4271	M104370.D	05/13/14	18:03	03:18	Initial cal 5
EM4271-IC4271	M104371.D	05/13/14	18:32	03:47	Initial cal 2

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4272-DFTPP	**Injection Date:**	05/14/14
Lab File ID:	M104372.D	**Injection Time:**	08:27
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	73741	38.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	96540	50.0		Pass
70	Less than 2.0% of mass 69	198	0.10	(0.21) [a]	Pass
127	40.0 - 60.0% of mass 198	99824	51.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	193256	100.0		Pass
199	5.0 - 9.0% of mass 198	13102	6.78		Pass
275	10.0 - 30.0% of mass 198	43538	22.5		Pass
365	1.0 - 100.0% of mass 198	4261	2.20		Pass
441	Present, but less than mass 443	17550	9.08	(67.9) [b]	Pass
442	40.0 - 100.0% of mass 198	123970	64.1		Pass
443	17.0 - 23.0% of mass 442	25858	13.4	(20.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4272-IC4272	M104373.D	05/14/14	08:40	00:13	Initial cal 100
EM4272-IC4272	M104374.D	05/14/14	09:08	00:41	Initial cal 80
EM4272-ICC4272	M104375.D	05/14/14	09:37	01:10	Initial cal 50
EM4272-IC4272	M104376.D	05/14/14	10:05	01:38	Initial cal 25
EM4272-IC4272	M104377.D	05/14/14	10:34	02:07	Initial cal 10
EM4272-IC4272	M104378.D	05/14/14	11:03	02:36	Initial cal 5
EM4272-IC4272	M104379.D	05/14/14	11:31	03:04	Initial cal 2
EM4272-IC4272	M104380.D	05/14/14	12:00	03:33	Initial cal 1
EM4272-ICV4271	M104381.D	05/14/14	12:29	04:02	Initial cal verification 50
EM4272-ICV4272	M104382A.D	05/14/14	12:57	04:30	Initial cal verification 50
EM4272-ICV4271	M104382.D	05/14/14	12:57	04:30	Initial cal verification 50
EM4272-ICV4271	M104383.D	05/14/14	13:26	04:59	Initial cal verification 50
EM4272-ICV4272	M104383A.D	05/14/14	13:26	04:59	Initial cal verification 50
EM4272-ICV4271	M104384.D	05/14/14	13:54	05:27	Initial cal verification 50
EM4272-ICV4271	M104385.D	05/14/14	14:23	05:56	Initial cal verification 50
EM4272-ICV4272	M104386.D	05/14/14	14:52	06:25	Initial cal verification 50
EM4272-ICV4271	M104387.D	05/14/14	15:20	06:53	Initial cal verification 50
EM4272-ICV4272	M104387A.D	05/14/14	15:20	06:53	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4298-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	M104947.D	**Injection Time:**	09:05
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	80607	31.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	108660	43.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	124725	49.4		Pass
197	Less than 1.0% of mass 198	793	0.31		Pass
198	Base peak, 100% relative abundance	252293	100.0		Pass
199	5.0 - 9.0% of mass 198	17158	6.80		Pass
275	10.0 - 30.0% of mass 198	60192	23.9		Pass
365	1.0 - 100.0% of mass 198	7987	3.17		Pass
441	Present, but less than mass 443	27394	10.9	(74.1) [b]	Pass
442	40.0 - 100.0% of mass 198	186602	74.0		Pass
443	17.0 - 23.0% of mass 442	36986	14.7	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM4298-CC4271	M104948.D	06/09/14	09:17	00:12	Continuing cal 50
EM4298-CC4272	M104949.D	06/09/14	09:47	00:42	Continuing cal 50
OP75337-MB1	M104951.D	06/09/14	11:06	02:01	Method Blank
OP75337-BS1	M104952.D	06/09/14	11:35	02:30	Blank Spike
OP75376-MB1	M104965.D	06/09/14	12:05	03:00	Method Blank
JB68465-45A	M104966.D	06/09/14	12:35	03:30	(used for QC only; not part of job JB68318)
ZZZZZZ	M104961.D	06/09/14	13:34	04:29	(unrelated sample)
ZZZZZZ	M104968.D	06/09/14	14:04	04:59	(unrelated sample)
JB68267-1	M104953.D	06/09/14	16:32	07:27	(used for QC only; not part of job JB68318)
ZZZZZZ	M104955.D	06/09/14	17:31	08:26	(unrelated sample)
ZZZZZZ	M104956.D	06/09/14	18:01	08:56	(unrelated sample)
ZZZZZZ	M104957.D	06/09/14	18:31	09:26	(unrelated sample)
OP75337-MS	M104958.D	06/09/14	19:00	09:55	Matrix Spike
OP75337-MSD	M104959.D	06/09/14	19:30	10:25	Matrix Spike Duplicate
ZZZZZZ	M104962.D	06/09/14	20:29	11:24	(unrelated sample)
ZZZZZZ	M104963.D	06/09/14	20:59	11:54	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: E2M2723-CC2718 **Injection Date:** 06/07/14
Lab File ID: 2M64174.D **Injection Time:** 10:42
Instrument ID: GCMS2M **Method:** SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	554771	4.65	2316308	5.74	1341478	7.80	2003514	9.97	1562725	14.15	1157061	16.26
Upper Limit [a]	1109542	5.15	4632616	6.24	2682956	8.30	4007028	10.47	3125450	14.65	2314122	16.76
Lower Limit [b]	277386	4.15	1158154	5.24	670739	7.30	1001757	9.47	781363	13.65	578531	15.76
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**
OP75376-MB1	606456	4.66	2372416	5.74	1394267	7.80	2057957	9.97	1669968	14.15	1145721	16.26
OP75376-BS1	532429	4.65	2196191	5.74	1238490	7.80	1847329	9.97	1596867	14.15	1066402	16.26
OP75331-MB1	558383	4.65	2280104	5.74	1302150	7.80	1961127	9.96	1683670	14.15	1283343	16.26
ZZZZZZ	478589	4.65	1868366	5.74	1088846	7.79	1604432	9.96	1326522	14.15	951897	16.26
ZZZZZZ	572500	4.66	2214531	5.74	1263447	7.79	1841035	9.96	1414556	14.15	1010986	16.26
ZZZZZZ	467907	4.65	1822298	5.74	1073639	7.79	1581819	9.96	1299404	14.14	922898	16.26
ZZZZZZ	583011	4.66	2241570	5.74	1297107	7.80	1859243	9.97	1439433	14.14	992796	16.26
ZZZZZZ	651902	4.66	2515667	5.74	1425897	7.80	2057913	9.97	1486036	14.15	1080647	16.26
ZZZZZZ	527927	4.66	2035705	5.74	1172409	7.80	1700342	9.97	1288426	14.15	906920	16.26
ZZZZZZ	472268	4.66	1828991	5.74	1070449	7.80	1577285	9.97	1190693	14.15	846531	16.26
ZZZZZZ	501286	4.65	1957479	5.74	1106702	7.80	1604956	9.97	1304448	14.16	1063120	16.28
OP75376-MS	505714	4.66	2057301	5.74	1148906	7.81	1684653	9.98	1302334	14.17	1033628	16.28
OP75376-MSD	562446	4.66	2301328	5.74	1254476	7.81	1788495	9.98	1334118	14.17	1023295	16.28
ZZZZZZ	535048	4.66	2077170	5.74	1096608	7.81	1559951	9.98	1238973	14.16	968489	16.28
ZZZZZZ	428550	4.66	1685177	5.74	978087	7.81	1426522	9.98	1055309	14.16	815373	16.28
ZZZZZZ	460367	4.66	1806251	5.74	1030122	7.80	1550086	9.98	1147096	14.16	876913	16.28
ZZZZZZ	435602	4.66	1730044	5.74	1003162	7.80	1474118	9.98	1088310	14.16	801708	16.28
ZZZZZZ	523038	4.66	2061962	5.74	1178704	7.81	1780716	9.98	1328500	14.17	1027995	16.28
ZZZZZZ	486595	4.66	1927612	5.74	1132783	7.81	1632570	9.98	1280177	14.16	1078573	16.28
ZZZZZZ	628907	4.66	2451693	5.74	1377404	7.81	1833803	9.98	1396228	14.17	1132165	16.28
ZZZZZZ	601563	4.66	2331755	5.74	1271654	7.81	1676604	9.98	1263149	14.17	1032185	16.29

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: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E2M2732-CC2729	**Injection Date:**	06/13/14
Lab File ID:	2M64396.D	**Injection Time:**	23:48
Instrument ID:	GCMS2M	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	228124	4.76	927534	5.87	513635	7.96	792874	10.13	692391	14.31	624311	16.41
Upper Limit [a]	456248	5.26	1855068	6.37	1027270	8.46	1585748	10.63	1384782	14.81	1248622	16.91
Lower Limit [b]	114062	4.26	463767	5.37	256818	7.46	396437	9.63	346196	13.81	312156	15.91

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
OP75578-MB1	262835	4.76	1075794	5.87	591521	7.95	903423	10.13	773222	14.30	659178	16.41
OP75578-BS1	261049	4.76	1078402	5.87	586136	7.96	887002	10.13	766995	14.31	683877	16.41
ZZZZZZ	272603	4.77	1115206	5.88	541450	7.97	926406	10.17	353780	14.48	877478	16.54
ZZZZZZ	256657	4.77	1014014	5.88	572127	7.97	867149	10.14	797783	14.33	755402	16.45
ZZZZZZ	279888	4.77	1101994	5.88	619405	7.97	951114	10.14	843478	14.33	790508	16.45
ZZZZZZ	280061	4.77	1109380	5.88	627014	7.96	948962	10.14	862925	14.33	820395	16.45
ZZZZZZ	285252	4.78	1122127	5.88	623735	7.97	941404	10.14	863806	14.33	806371	16.45
ZZZZZZ	295910	4.77	1165864	5.88	651711	7.97	989054	10.14	868671	14.33	806132	16.45
ZZZZZZ	273555	4.77	1076996	5.88	605122	7.97	926201	10.15	805853	14.33	743053	16.45
JB68318-1	250306	4.77	989666	5.88	553505	7.97	822771	10.14	708953	14.33	656157	16.44
JB68318-2	234661	4.77	934721	5.88	520328	7.97	776135	10.14	673238	14.33	626374	16.44
JB68318-3	240662	4.77	950558	5.88	524101	7.97	792460	10.14	701427	14.33	641876	16.45
JB68318-4	248582	4.77	986935	5.88	540111	7.97	803891	10.14	697978	14.33	654675	16.45
JB68318-5	257253	4.77	1019867	5.88	565711	7.97	852749	10.15	748220	14.33	672916	16.45
JB68318-8	239547	4.77	935772	5.88	514983	7.97	776265	10.14	669363	14.33	612124	16.44
JB68318-9	255598	4.77	1003345	5.88	550904	7.97	811942	10.14	694872	14.33	629637	16.44
JB68318-10	287250	4.77	1131098	5.88	633759	7.97	961943	10.15	839338	14.33	755150	16.45
ZZZZZZ	281322	4.77	1117669	5.88	621346	7.97	937426	10.15	836824	14.35	822692	16.47
ZZZZZZ	283083	4.77	1115811	5.88	618886	7.97	928491	10.16	825489	14.34	769472	16.46
ZZZZZZ	301801	4.77	908558	5.89	591976	7.99	913120	10.18	440578	14.44	467467	16.61
ZZZZZZ	297675	4.77	1158056	5.89	643971	7.98	946749	10.16	840196	14.35	805146	16.47
ZZZZZZ	272028	4.77	1057465	5.88	592502	7.98	892796	10.16	792806	14.34	741981	16.46

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Internal Standard Area Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2652-CC2646	**Injection Date:**	06/08/14
Lab File ID:	3E61818.D	**Injection Time:**	13:56
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	198566	4.97	722646	6.11	390323	8.24	589637	10.44	507121	14.64	409818	16.78
Upper Limit [a]	397132	5.47	1445292	6.61	780646	8.74	1179274	10.94	1014242	15.14	819636	17.28
Lower Limit [b]	99283	4.47	361323	5.61	195162	7.74	294819	9.94	253561	14.14	204909	16.28

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
OP75417-MB1	251291	4.97	926274	6.11	491342	8.24	703061	10.44	564671	14.64	470341	16.77
OP75417-BS1	234904	4.97	954722	6.11	392728	8.24	549305	10.44	435696	14.64	355710	16.77
OP75387-MB1	199302	4.97	750476	6.11	406251	8.24	615215	10.43	530523	14.64	465374	16.77
OP75387-BS1	199298	4.97	822643	6.11	346617	8.24	493183	10.44	412098	14.64	354368	16.77
ZZZZZZ	184837	4.97	602928	6.11	333132	8.24	533335	10.43	485852	14.64	430674	16.77
ZZZZZZ	190459	4.97	684478	6.11	375680	8.24	582599	10.43	520358	14.64	460552	16.77
ZZZZZZ	189445	4.97	686786	6.11	384696	8.24	600646	10.43	541023	14.64	469541	16.77
JB68318-6	207751	4.97	791084	6.11	428018	8.24	648678	10.43	578595	14.63	505436	16.77
ZZZZZZ	219431	4.97	811590	6.11	422914	8.24	564183	10.44	497381	14.64	433292	16.77
ZZZZZZ	197502	4.98	742760	6.11	451953	8.24	683244	10.43	547648	14.63	456643	16.77
ZZZZZZ	244872	4.97	915327	6.11	487945	8.24	709917	10.43	540625	14.63	431828	16.77
ZZZZZZ	266313	4.97	963169	6.11	510737	8.24	741614	10.43	576827	14.63	465465	16.77
ZZZZZZ	239814	4.97	877999	6.11	461114	8.24	675566	10.43	542051	14.63	442155	16.77
OP75417-MS	244200	4.97	974745	6.11	407306	8.24	567572	10.44	429431	14.64	359982	16.77
OP75417-MSD	237411	4.97	949215	6.11	397015	8.24	553602	10.44	413767	14.64	350532	16.78
JB68594-28A	225031	4.97	834869	6.11	434349	8.24	625646	10.44	468069	14.64	372635	16.78
ZZZZZZ	211208	4.97	787763	6.11	418654	8.24	621238	10.44	419266	14.65	286029	16.80
ZZZZZZ	213715	4.98	792257	6.12	404202	8.25	561230	10.46	364779	14.66	267173	16.81
ZZZZZZ	162329	4.97	622189	6.12	329370	8.25	476689	10.46	323910	14.66	223904	16.81
ZZZZZZ	188940	4.98	719514	6.12	379401	8.25	556167	10.46	400757	14.67	290002	16.81
ZZZZZZ	191184	4.97	725574	6.12	378334	8.25	556267	10.46	421714	14.66	301304	16.80
ZZZZZZ	180782	4.97	687367	6.11	362117	8.25	537829	10.46	418444	14.66	297775	16.81

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: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2653-CC2646	**Injection Date:**	06/09/14
Lab File ID:	3E61844.D	**Injection Time:**	09:19
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	203454	4.96	711655	6.10	371402	8.23	560393	10.43	449426	14.64	326554	16.77
Upper Limit [a]	406908	5.46	1423310	6.60	742804	8.73	1120786	10.93	898852	15.14	653108	17.27
Lower Limit [b]	101727	4.46	355828	5.60	185701	7.73	280197	9.93	224713	14.14	163277	16.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP75279-MB1	234781	4.96	901693	6.09	493751	8.22	747497	10.42	626803	14.62	521756	16.76
OP75403-MB1	163019	4.96	623988	6.09	334732	8.22	507377	10.42	429392	14.62	357148	16.75
ZZZZZZ	175342	4.96	671759	6.09	358277	8.22	542283	10.42	467062	14.62	394426	16.75
OP75285-MB1	190150	4.96	715039	6.09	376240	8.22	558576	10.42	455025	14.62	371453	16.75
OP75285-BS1	188427	4.96	772862	6.09	323367	8.22	464481	10.42	373679	14.62	312426	16.76
ZZZZZZ	154112	4.96	560560	6.11	283157	8.22	409532	10.42	390420	14.62	338516	16.75
ZZZZZZ	154112	4.96	560560	6.11	283157	8.22	409532	10.42	390420	14.62	338516	16.75
ZZZZZZ	151354	4.96	559611	6.10	286627	8.22	416365	10.42	400585	14.62	356316	16.75
ZZZZZZ	151354	4.96	559611	6.10	286627	8.22	416365	10.42	400585	14.62	356316	16.75
ZZZZZZ	166123	4.95	645275	6.09	343211	8.22	518665	10.42	458120	14.62	401026	16.75
ZZZZZZ	166123	4.95	645275	6.09	343211	8.22	518665	10.42	458120	14.62	401026	16.75
ZZZZZZ	178741	4.95	650488	6.10	336196	8.22	488297	10.42	454270	14.62	405672	16.75
ZZZZZZ	178741	4.95	650488	6.10	336196	8.22	488297	10.42	454270	14.62	405672	16.75
ZZZZZZ	171320	4.95	661733	6.09	363249	8.21	550471	10.42	478869	14.62	420865	16.75
ZZZZZZ	152462	4.96	537147	6.11	257577	8.23	382406	10.43	360085	14.62	325917	16.75
ZZZZZZ	152462	4.96	537147	6.11	257577	8.23	382406	10.43	360085	14.62	325917	16.75
ZZZZZZ	150315	4.95	585754	6.09	303731	8.21	456859	10.42	383989	14.62	316487	16.75
OP75387-MS	156130	4.95	664375	6.09	272838	8.22	392948	10.42	329840	14.62	277905	16.75
OP75387-MSD	154896	4.95	662948	6.09	272501	8.22	393887	10.42	331779	14.62	279999	16.75
JB68342-6	162876	4.95	629922	6.09	341368	8.21	514748	10.41	442281	14.61	371143	16.75
OP75285-MS	166827	4.96	693758	6.09	290032	8.22	408509	10.42	340111	14.62	293277	16.75
OP75285-MSD	181187	4.96	740894	6.09	307719	8.22	438242	10.42	362276	14.62	316983	16.75
JB68173-1	155978	4.95	583280	6.09	302781	8.21	443835	10.41	362723	14.61	323007	16.74
ZZZZZZ	185456	4.95	675836	6.09	351265	8.21	521272	10.41	426388	14.61	380092	16.75
ZZZZZZ	184033	4.95	679887	6.09	354054	8.21	517918	10.41	423957	14.61	380619	16.74

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Internal Standard Area Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EM4298-CC4271 **Injection Date:** 06/09/14
Lab File ID: M104948.D **Injection Time:** 09:17
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	307605	4.52	1159351	5.61	761039	7.87	1396914	10.45	1282776	15.59	1008071	18.20
Upper Limit [a]	615210	5.02	2318702	6.11	1522078	8.37	2793828	10.95	2565552	16.09	2016142	18.70
Lower Limit [b]	153803	4.02	579676	5.11	380520	7.37	698457	9.95	641388	15.09	504036	17.70
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**
OP75337-MB1	158038	4.52	638399	5.61	424924	7.87	805616	10.45	818018	15.58	604354	18.20
OP75337-BS1	178714	4.52	698977	5.61	471730	7.87	863524	10.45	887779	15.59	659837	18.20
OP75376-MB1	173970	4.52	691341	5.61	459131	7.87	857450	10.45	851328	15.58	602609	18.19
JB68465-45A	175584	4.52	685819	5.61	448526	7.86	806817	10.44	746688	15.57	549601	18.19
ZZZZZZ	192364	4.52	765406	5.61	498804	7.87	872358	10.45	709150	15.59	624113	18.20
ZZZZZZ	196255	4.52	782278	5.61	496887	7.87	849840	10.45	707291	15.59	626413	18.21
JB68267-1	185793	4.53	734747	5.61	492234	7.87	896636	10.45	783897	15.58	605217	18.21
ZZZZZZ	169451	4.52	675832	5.61	445574	7.87	803175	10.45	763508	15.59	562227	18.20
ZZZZZZ	172513	4.53	669314	5.61	441885	7.86	850926	10.44	806341	15.58	592144	18.20
ZZZZZZ	181625	4.52	729608	5.61	484035	7.87	910221	10.45	917111	15.59	646098	18.20
OP75337-MS	158926	4.52	627709	5.61	406991	7.87	720423	10.45	720004	15.58	517183	18.20
OP75337-MSD	140475*	4.52	535176*	5.61	367369*	7.87	666346*	10.45	681079	15.59	500757*	18.20
ZZZZZZ	178084	4.52	712613	5.61	489785	7.86	921566	10.44	940931	15.58	702479	18.20
ZZZZZZ	217350	4.52	838844	5.61	563652	7.87	1048910	10.45	1007124	15.58	780234	18.20

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Surrogate Recovery Summary

Job Number: JB68318
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
JB68318-6	3E61828.D	35	24	90	67	67	84
OP75387-BS1	3E61824.D	45	31	109	74	84	96
OP75387-MB1	3E61823.D	40	26	100	84	80	88
OP75387-MS	3E61861.D	60	49	107	79	87	88
OP75387-MSD	3E61862.D	62	50	106	81	86	96

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: JB68318
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
JB68318-1	2M64409.D	68	66	77	65	64	74
JB68318-2	2M64410.D	73	73	80	71	71	76
JB68318-3	2M64411.D	64	63	74	62	63	70
JB68318-4	2M64412.D	68	66	74	66	66	71
JB68318-5	2M64413.D	77	76	88	76	74	81
JB68318-8	2M64414.D	74	73	86	74	73	80
JB68318-9	2M64415.D	74	74	87	73	72	79
JB68318-10	2M64416.D	56	56	65	55	55	61
OP75376-BS1	2M64178.D	87	89	89	90	85	91
OP75376-MB1	2M64177.D	89	92	79	97	85	93
OP75376-MB1	M104965.D	80	87	95	117* [a]	89	100
OP75376-MS	2M64189.D	64	69	71	70	68	70
OP75376-MSD	2M64190.D	78	81	81	84	81	82

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	13-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	20-123%
S4 = Nitrobenzene-d5	10-110%
S5 = 2-Fluorobiphenyl	17-110%
S6 = Terphenyl-d14	30-124%

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

Initial Calibration Summary

Job Number: JB68318 **Sample:** E2M2718-ICC2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64050.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2M

Method : C:\msdchem\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
Last Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

Calibration Files
2 =2M64048.D 5 =2M64049.D 25 =2M64045.D 80 =2M64052.D
100 =2M64046.D 50 =2M64050.D 1 =2M64047.D 10 =2M64051.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.820	0.871	0.713	0.778	0.733	0.710	0.857	0.856	0.792	8.51
3) Pyridine	2.161	2.260	1.904	2.055	2.009	1.847	2.087	2.108	2.054	6.50
4) N-Nitrosodim	1.177	1.235	1.120	1.090	1.042	1.096	1.180	1.170	1.139	5.49
5) 2-Fluorophen	1.639	1.648	1.603	1.506	1.456	1.557	1.654	1.599	1.583	4.51
6) Indene	3.418	3.493	2.849	2.642	2.479	2.637	3.580	3.329	3.053	14.61
7) Cumene	5.158	5.228	4.258	4.113	3.782	4.023	5.187	4.952	4.588	13.10
8) Phenol-d5	2.205	2.183	2.028	1.679	1.574	1.860	2.183	2.062	1.972	12.30
9) Phenol	2.735	2.736	2.522	2.157	2.037	2.361	2.949	2.578	2.509	12.32
10) Aniline	2.910	2.792	2.524	1.851	1.747	2.232	2.937	2.521	2.439	18.83
11) bis(2-Chloro	1.808	1.816	1.646	1.560	1.489	1.601	1.885	1.751	1.695	8.30
12) 2-Chlorophen	1.714	1.737	1.616	1.405	1.321	1.508	1.799	1.670	1.596	10.61
13) Decane	1.395	1.361	1.073	0.974	0.907	0.978	1.349	1.268	1.163	17.26
14) 1,3-Dichloro	1.900	1.909	1.780	1.570	1.479	1.674	1.962	1.797	1.759	9.77
15) 1,4-Dichloro	1.954	1.922	1.791	1.554	1.477	1.691	1.997	1.813	1.775	10.64
16) Benzyl alcoh	1.195	1.214	1.150	0.906	0.831	1.042	1.157	1.152	1.081	13.13
17) 1,2-Dichloro	1.836	1.807	1.664	1.408	1.295	1.562	1.885	1.710	1.646	12.80
18) Acetophenone	2.965	2.949	2.402	2.283	2.210	2.198	2.958	2.808	2.597	13.65
19) 2-Methylphen	1.645	1.729	1.573	1.461	1.417	1.485	1.744	1.640	1.587	7.77
20) 2,2'-oxybis(	1.439	1.436	1.235	1.040	0.984	1.146	1.509	1.341	1.266	15.51
21) 3&4-Methylph	1.752	1.794	1.691	1.574	1.479	1.619	1.828	1.729	1.683	7.02
22) n-Nitroso-di	1.319	1.360	1.181	0.944	0.883	1.053	1.381	1.263	1.173	16.39
23) Hexachloroet	0.508	0.525	0.498	0.454	0.437	0.470	0.532	0.501	0.491	6.88
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.485	0.490	0.464	0.416	0.398	0.442	0.473	0.468	0.454	7.26
26) Nitrobenzene	0.533	0.532	0.501	0.433	0.407	0.476	0.543	0.508	0.492	10.08
27) Quinoline	0.921	0.920	0.791	0.836	0.808	0.756	0.897	0.890	0.852	7.40
28) Isophorone	0.869	0.870	0.842	0.733	0.692	0.796	0.884	0.858	0.818	8.68
29) 2-Nitropheno	0.216	0.220	0.213	0.179	0.164	0.198	0.227	0.215	0.204	10.88
30) 2,4-Dimethyl	0.262	0.346	0.390	0.361	0.348	0.383	0.331	0.352	0.347	11.41
31) Benzoic acid	0.207	0.240	0.278	0.292	0.288	0.287	0.163	0.277	0.254	18.54
32) bis(2-Chloro	0.492	0.508	0.472	0.422	0.395	0.448	0.506	0.478	0.465	8.71
33) 2,4-Dichloro	0.318	0.321	0.305	0.271	0.254	0.288	0.322	0.308	0.298	8.39
34) 2,6-Dichloro	0.316	0.314	0.299	0.257	0.243	0.280	0.321	0.300	0.291	9.91
35) 1,3,5-Trichl	0.390	0.400	0.323	0.304	0.282	0.305	0.387	0.381	0.347	13.69
36) 1,2,4-Trichl	0.322	0.331	0.310	0.274	0.262	0.294	0.322	0.313	0.303	8.19
37) 1,2,3-Trichl	0.373	0.373	0.311	0.309	0.294	0.296	0.373	0.355	0.335	10.82
38) Naphthalene	1.232	1.252	1.172	1.008	0.912	1.094	1.337	1.201	1.151	12.06
39) 4-Chloroanil	0.483	0.484	0.463	0.377	0.348	0.429	0.465	0.466	0.439	11.56
40) 2,3-Dichloro	0.442	0.446	0.377	0.370	0.350	0.353	0.448	0.426	0.402	10.72
41) Caprolactam	0.157	0.158	0.138	0.148	0.109	0.134	0.171	0.157	0.146	13.18
42) Hexachlorobu	0.166	0.170	0.162	0.144	0.136	0.153	0.183	0.162	0.160	9.24
43) 4-Chloro-3-m	0.385	0.380	0.379	0.344	0.331	0.357	0.392	0.377	0.368	5.89
44) 2-Methylnaph	0.689	0.692	0.653	0.562	0.530	0.616	0.700	0.665	0.639	9.94
45) 1-Methylnaph	0.921	0.916	0.759	0.728	0.688	0.713	0.931	0.870	0.816	12.73

Initial Calibration Summary

Job Number: JB68318 **Sample:** E2M2718-ICC2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64050.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 46) Dimethylnaph 0.806 0.812 0.687 0.661 0.622 0.640 0.791 0.775 0.724  11.00

 47) I   Acenaphthene-d10      ----------------ISTD---------------------
 48) Hexachlorocy 0.195 0.237 0.264 0.276 0.264 0.268 0.191 0.257 0.244  13.65
 49) 2,4,6-Trichl 0.345 0.347 0.333 0.310 0.299 0.320 0.349 0.336 0.330   5.59
 50) 2,4,5-Trichl 0.360 0.352 0.349 0.333 0.316 0.337 0.347 0.361 0.344   4.34
 51) 2-Fluorobiph 1.372 1.385 1.276 1.136 1.052 1.208 1.410 1.314 1.269  10.07
 52) 2-Chloronaph 1.294 1.282 1.211 1.071 1.017 1.149 1.297 1.232 1.194   8.88
 53) Biphenyl     1.990 1.996 1.611 1.574 1.467 1.529 1.970 1.891 1.754  13.04
 54) 2-Nitroanili 0.419 0.420 0.414 0.395 0.374 0.403 0.422 0.420 0.408   4.10
 55) Dimethylphth 1.373 1.408 1.298 1.221 1.171 1.241 1.505 1.343 1.320   8.30
 56) Acenaphthyle 2.118 2.152 2.031 1.817 1.732 1.920 2.093 2.063 1.991   7.64
 57) 2,6-Dinitrot 0.303 0.315 0.312 0.292 0.279 0.301 0.283 0.306 0.299   4.36
 58) 3-Nitroanili 0.376 0.392 0.389 0.358 0.345 0.368 0.377 0.393 0.375   4.53
 59) Acenaphthene 1.308 1.301 1.218 1.081 1.027 1.152 1.348 1.263 1.212   9.53
 60) 2,4-Dinitrop             0.144 0.180 0.175 0.166       0.127 0.159  14.08
 61) 4-Nitropheno 0.196 0.211 0.215 0.187 0.181 0.203 0.171 0.210 0.197   8.05
 62) Dibenzofuran 1.808 1.790 1.631 1.373 1.300 1.501 2.003 1.698 1.638  14.45
 63) 2,4-Dinitrot 0.391 0.434 0.417 0.373 0.354 0.396 0.365 0.423 0.394   7.35
 64) 2,3,4,6-Tetr 0.225 0.253 0.255 0.257 0.249 0.254 0.234 0.254 0.248   4.63
 65) Diethylphtha 1.431 1.459 1.368 1.246 1.212 1.293 1.500 1.398 1.363   7.61
 66) Fluorene     1.423 1.444 1.344 1.136 1.052 1.246 1.474 1.409 1.316  11.79
 67) 4-Chlorophen 0.584 0.592 0.542 0.481 0.448 0.511 0.588 0.562 0.539   9.98
 68) 4-Nitroanili 0.368 0.391 0.385 0.364 0.353 0.376 0.320 0.386 0.368   6.25

 69) I   Phenanthrene-d10      ----------------ISTD---------------------
 70) 4,6-Dinitro- 0.083 0.115 0.138 0.151 0.146 0.148       0.130 0.130  18.61
 71) n-Nitrosodip 0.604 0.639 0.590 0.544 0.521 0.567 0.608 0.608 0.585   6.60
 72) 1,2-Diphenyl 1.129 1.183 1.145 0.972 0.911 1.089 1.105 1.148 1.085   8.70
 73) 2,4,6-Tribro 0.070 0.071 0.077 0.079 0.079 0.079 0.072 0.073 0.075   5.18
 74) 4-Bromopheny 0.180 0.191 0.177 0.170 0.166 0.172 0.192 0.179 0.178   5.28
 75) Hexachlorobe 0.186 0.192 0.187 0.182 0.180 0.182 0.189 0.184 0.185   2.12
 76) Pentachlorop 0.069 0.084 0.104 0.114 0.113 0.109       0.092 0.098  17.32
 77) Phenanthrene 1.328 1.333 1.220 1.081 1.040 1.169 1.400 1.255 1.228  10.30
 78) Anthracene   1.269 1.314 1.261 1.110 1.058 1.204 1.278 1.263 1.220   7.37
 79) Carbazole    1.460 1.513 1.249 1.252 1.191 1.192 1.424 1.437 1.340   9.82
 80) Di-n-butylph 1.469 1.566 1.530 1.367 1.311 1.469 1.557 1.527 1.475   6.25
 81) Fluoranthene 1.188 1.246 1.186 1.078 1.037 1.140 1.235 1.198 1.164   6.35
 82) Octadecane   0.618 0.648 0.524 0.455 0.417 0.488 0.582 0.611 0.543  15.51

 83) I   Chrysene-d12          ----------------ISTD---------------------
 84) Pyrene       1.473 1.497 1.457 1.352 1.335 1.428 1.449 1.445 1.430   3.99
 85) Terphenyl-d1 0.834 0.863 0.863 0.826 0.816 0.842 0.837 0.822 0.838   2.10
 86) Butylbenzylp 0.747 0.784 0.793 0.725 0.707 0.767 0.760 0.766 0.756   3.81
 87) Butyl steara 0.365 0.388 0.409 0.323 0.297 0.380 0.354 0.384 0.362  10.15
 88) Benzo[a]anth 1.262 1.249 1.201 1.114 1.083 1.168 1.358 1.189 1.203   7.26
 89) 3,3'-Dichlor 0.383 0.404 0.413 0.385 0.376 0.407 0.379 0.392 0.392   3.53
 90) Chrysene     1.216 1.209 1.168 1.130 1.096 1.151 1.266 1.156 1.174   4.59
 91) bis(2-Ethylh 1.004 1.068 1.088 0.987 0.966 1.046 1.007 1.064 1.029   4.25

 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 2.082 2.251 2.311 2.142 2.035 2.184 2.032 2.281 2.165   5.08
 94) Benzo[b]fluo 1.406 1.379 1.352 1.357 1.370 1.312 1.410 1.387 1.372   2.34
 95) Benzo[k]fluo 1.335 1.397 1.335 1.298 1.211 1.291 1.318 1.369 1.319   4.24
 96) Benzo[a]pyre 1.206 1.210 1.226 1.183 1.148 1.170 1.227 1.201 1.196   2.29
 97) Indeno[1,2,3 1.426 1.433 1.436 1.420 1.401 1.401 1.451 1.435 1.425   1.22
 98) Dibenz(a,h)a 1.113 1.189 1.054 1.181 1.180 1.019 1.112 1.187 1.129   5.83
 99) Dibenz[a,h]a 1.156 1.199 1.209 1.204 1.205 1.174 1.208 1.174 1.191   1.68
100) 7,12-Dimethy 0.249 0.320 0.599 0.701 0.686 0.608       0.424 0.512  35.37
          ----- Quadratic regression -----                Coefficient =  0.9981
```

8.7.1

8

Initial Calibration Summary

Job Number: JB68318 **Sample:** E2M2718-ICC2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64050.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
              Response Ratio = -0.03576 + 0.61952 *A + 0.03655 *A^2

101) Benzo[g,h,i] 1.132 1.168 1.164 1.146 1.133 1.140 1.102 1.170 1.144   2.03

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

          M2M2718.M         Wed Jun 04 08:12:06 2014   MS2M
```

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2718-ICV2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64053.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2718\2M64053.D Vial: 10
Acq On : 3 Jun 2014 5:23 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2718, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
Last Update : Wed Jun 04 08:11:40 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	4.69
9	t	Phenol	2.509	2.149	14.3	96	0.00	4.46
12	t	2-Chlorophenol	1.596	1.483	7.1	104	0.00	4.55
19	t	2-Methylphenol	1.587	1.485	6.4	106	0.00	4.91
21	t	3&4-Methylphenol	1.683	1.548	8.0	101	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00	5.79
29	t	2-Nitrophenol	0.204	0.205	-0.5	108	0.00	5.43
30	t	2,4-Dimethylphenol	0.347	0.401	-15.6	109	0.00	5.48
31	t	Benzoic acid	0.254	0.285	-12.2	103	0.00	5.61
33	t	2,4-Dichlorophenol	0.298	0.286	4.0	104	0.00	5.67
34	t	2,6-Dichlorophenol	0.291	0.283	2.7	105	0.00	5.88
43	t	4-Chloro-3-methylphenol	0.368	0.347	5.7	101	-0.01	6.40
47	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	7.86
49	t	2,4,6-Trichlorophenol	0.330	0.319	3.3	102	0.00	6.89
50	t	2,4,5-Trichlorophenol	0.344	0.342	0.6	104	0.00	6.95
60	t	2,4-Dinitrophenol	0.159	0.130	18.2	80	0.00	7.97
61	t	4-Nitrophenol	0.197	0.199	-1.0	100	0.00	8.14
64		2,3,4,6-Tetrachlorophenol	0.248	0.237	4.4	95	0.00	8.35
69	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00	10.03
70	t	4,6-Dinitro-2-methylpheno	0.130	0.131	-0.8	91	-0.01	8.74
76	t	Pentachlorophenol	0.098	0.098	0.0	92	0.00	9.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64050.D M2M2718.M Wed Jun 04 12:44:47 2014 MS2M

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2718-ICV2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64054.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2718\2M64054.D Vial: 11
Acq On : 3 Jun 2014 5:49 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2718, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
Last Update : Wed Jun 04 08:11:40 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	118	0.00	4.69
3	t	Pyridine	2.054	1.833	10.8	118	0.01	2.59
4	t	N-Nitrosodimethylamine	1.139	1.051	7.7	114	0.02	2.57
11	t	bis(2-Chloroethyl)ether	1.695	1.595	5.9	118	0.00	4.49
14	t	1,3-Dichlorobenzene	1.759	1.523	13.4	108	0.00	4.65
15	t	1,4-Dichlorobenzene	1.775	1.541	13.2	108	0.00	4.71
16	t	Benzyl alcohol	1.081	1.063	1.7	121	0.00	4.81
17	t	1,2-Dichlorobenzene	1.646	1.463	11.1	111	0.00	4.83
20	t	2,2'-oxybis(1-Chloropropa	1.266	1.200	5.2	124	0.00	4.90
22	t	n-Nitroso-di-n-propylamin	1.173	1.121	4.4	126	0.00	5.01
23	t	Hexachloroethane	0.491	0.444	9.6	112	0.00	5.10
24	I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	5.79
26	t	Nitrobenzene	0.492	0.426	13.4	107	0.00	5.15
28	t	Isophorone	0.818	0.719	12.1	108	0.00	5.35
32	t	bis(2-Chloroethoxy)methan	0.465	0.447	3.9	119	0.00	5.54
36	t	1,2,4-Trichlorobenzene	0.303	0.269	11.2	109	0.00	5.73
38	t	Naphthalene	1.151	1.015	11.8	111	0.00	5.81
42	t	Hexachlorobutadiene	0.160	0.140	12.5	109	0.00	5.93
44	t	2-Methylnaphthalene	0.639	0.553	13.5	107	0.00	6.55
47	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	7.86
48	t	Hexachlorocyclopentadiene	0.244	0.218	10.7	94	0.00	6.73
52	t	2-Chloronaphthalene	1.194	1.036	13.2	104	0.00	7.13
54	t	2-Nitroaniline	0.408	0.364	10.8	105	0.00	7.27
55	t	Dimethylphthalate	1.320	1.185	10.2	111	0.00	7.51
56	t	Acenaphthylene	1.991	1.551	22.1	94	0.00	7.67
57	t	2,6-Dinitrotoluene	0.299	0.267	10.7	103	0.00	7.59
58	t	3-Nitroaniline	0.375	0.293	21.9	92	0.00	7.83
59	t	Acenaphthene	1.212	1.102	9.1	111	0.00	7.90
62	t	Dibenzofuran	1.638	1.446	11.7	111	0.00	8.14
63	t	2,4-Dinitrotoluene	0.394	0.346	12.2	101	0.00	8.15
65	t	Diethylphthalate	1.363	1.204	11.7	108	0.00	8.51
66	t	Fluorene	1.316	1.177	10.6	109	0.00	8.64
67	t	4-Chlorophenyl-phenylethe	0.539	0.492	8.7	111	0.00	8.65
68	t	4-Nitroaniline	0.368	0.334	9.2	103	0.00	8.70
69	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00	10.03
71	t	n-Nitrosodiphenylamine	0.585	0.545	6.8	109	0.00	8.83
72	t	1,2-Diphenylhydrazine	1.085	1.016	6.4	106	0.00	8.88
74	t	4-Bromophenyl-phenylether	0.178	0.168	5.6	111	0.00	9.37
75	t	Hexachlorobenzene	0.185	0.167	9.7	104	0.00	9.47

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2718-ICV2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64054.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.228	1.071	12.8	104	0.00	10.07
78	t	Anthracene	1.220	1.103	9.6	104	0.00	10.15
79	t	Carbazole	1.340	1.078	19.6	103	0.00	10.43
80	t	Di-n-butylphthalate	1.475	1.367	7.3	106	0.00	11.04
81	t	Fluoranthene	1.164	1.014	12.9	101	0.00	11.93
83	I	Chrysene-d12	1.000	1.000	0.0	107	0.00	14.21
84	t	Pyrene	1.430	1.327	7.2	100	0.00	12.28
86	t	Butylbenzylphthalate	0.756	0.715	5.4	100	0.00	13.41
88	t	Benzo[a]anthracene	1.203	1.052	12.6	97	0.00	14.20
90	t	Chrysene	1.174	1.093	6.9	102	0.00	14.26
91	t	bis(2-Ethylhexyl)phthalat	1.029	0.983	4.5	101	0.00	14.36
92	I	Perylene-d12	1.000	1.000	0.0	103	0.00	16.33
93	t	Di-n-octylphthalate	2.165	2.089	3.5	98	0.00	15.35
94	t	Benzo[b]fluoranthene	1.372	1.143	16.7	90	0.00	15.81
95	t	Benzo[k]fluoranthene	1.319	1.197	9.2	95	0.00	15.85
96	t	Benzo[a]pyrene	1.196	1.083	9.4	95	0.00	16.25
97	t	Indeno[1,2,3-cd]pyrene	1.425	1.219	14.5	89	0.00	17.87
99	t	Dibenz[a,h]anthracene	1.191	1.035	13.1	91	0.00	17.90
101	t	Benzo[g,h,i]perylene	1.144	1.031	9.9	93	0.00	18.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64050.D M2M2718.M Wed Jun 04 12:53:43 2014 MS2M

8.7.3

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2718-ICV2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64055.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2718\2M64055.D Vial: 12
Acq On : 3 Jun 2014 6:15 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2718, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
Last Update : Wed Jun 04 08:11:40 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	107	0.00	4.69
2	t	1,4-Dioxane	0.792	0.683	13.8	103	0.02	2.27
6	t	Indene	3.053	2.699	11.6	110	0.00	4.90
7	t	Cumene	4.588	3.813	16.9	102	0.00	4.10
13	t	Decane	1.163	0.926	20.4	102	0.00	4.57
18	t	Acetophenone	2.597	2.223	14.4	109	0.00	5.01
24	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00	5.79
27	t	Quinoline	0.852	0.705	17.3	102	-0.01	6.14
40	t	2,3-Dichloroaniline	0.402	0.288	28.4	89	0.00	6.88
41	t	Caprolactam	0.146	0.120	17.8	98	-0.03	6.21
45	t	1-Methylnaphthalene	0.816	0.659	19.2	101	0.00	6.66
46	t	Dimethylnaphthalene	0.724	0.590	18.5	101	0.00	7.30
47	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00	7.86
53	t	Biphenyl	1.754	1.468	16.3	101	0.00	7.11
69	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00	10.03
82	t	Octadecane	0.543	0.472	13.1	101	0.00	9.97
92	I	Perylene-d12	1.000	1.000	0.0	100	0.00	16.32
		----------	True	Calc.	% Drift		----------	
100	t	7,12-Dimethylbenz(a)anthr	50.000	41.567	16.9	85	-0.01	15.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64050.D M2M2718.M Wed Jun 04 12:57:59 2014 MS2M

8.7.4

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2718-ICV2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64056.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2718\2M64056.D Vial: 13
Acq On : 3 Jun 2014 6:42 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2718, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
Last Update : Wed Jun 04 08:11:40 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	4.69
5	S	2-Fluorophenol	1.583	1.413	10.7	112	0.00	3.75
8	S	Phenol-d5	1.972	1.812	8.1	121	0.00	4.46
24	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00	5.79
25	S	Nitrobenzene-d5	0.454	0.409	9.9	115	0.00	5.14
47	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00	7.86
51	S	2-Fluorobiphenyl	1.269	1.124	11.4	112	0.00	6.98
69	I	Phenanthrene-d10	1.000	1.000	0.0	119	0.00	10.03
73	S	2,4,6-Tribromophenol	0.075	0.066	12.0	99	0.00	8.99
83	I	Chrysene-d12	1.000	1.000	0.0	116	0.00	14.21
85	S	Terphenyl-d14	0.838	0.768	8.4	106	0.00	12.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64050.D M2M2718.M Wed Jun 04 13:00:03 2014 MS2M

8.7.5
8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2718-ICV2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64057.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2718\2M64057.D Vial: 14
Acq On : 3 Jun 2014 7:08 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2718, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
Last Update : Wed Jun 04 08:11:40 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	137	0.00	4.69
10		Aniline	2.439	2.785	-14.2	171	0.00	4.45
24	I	Naphthalene-d8	1.000	1.000	0.0	138	0.00	5.79
39	t	4-Chloroaniline	0.439	0.456	-3.9	147	0.00	5.87

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64050.D M2M2718.M Wed Jun 04 13:02:04 2014 MS2M

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2718-ICV2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64058.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2718\2M64058.D Vial: 15
Acq On : 3 Jun 2014 7:35 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2718, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
Last Update : Wed Jun 04 08:11:40 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	198	0.00	14.22
89 t	3,3'-Dichlorobenzidine	0.392	0.370	5.6	180	0.00	14.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64050.D M2M2718.M Wed Jun 04 13:04:51 2014 MS2M

8.7.7

Initial Calibration Summary

Job Number: JB68318 **Sample:** E2M2719-ICC2719
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64067.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2M

Method : C:\MSDCHEM\1\METHODS\M2M2719.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
Last Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Calibration Files
2 =2M64071.D 5 =2M64070.D 25 =2M64068.D 80 =2M64066.D
100 =2M64065.D 50 =2M64067.D 1 =2M64072.D 10 =2M64069.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
102) 1,4-Dichlorobenzene-d	ISTD								
103) Benzaldehyde	1.260	1.288	1.301	1.126	1.046	1.223	1.320	1.304	1.234 7.97
104) Acenaphthene-d10a	ISTD								
105) 1,2,4,5-Tetr	0.446	0.453	0.457	0.450	0.440	0.439	0.423	0.457	0.446 2.54
106) 2-bromonapht	0.668	0.688	0.694	0.680	0.663	0.673	0.695	0.679	0.680 1.72
107) Chrysene-d12a	ISTD								
108) Benzidine	0.720	0.861	0.955	0.616	0.565	0.838		0.920	0.782 19.31
109) 1-chloroocta	0.357	0.407	0.416	0.377	0.367	0.398	0.360	0.412	0.387 6.23
110) Phenanthrene-d10a	ISTD								
111) Atrazine	0.100	0.103	0.109	0.105	0.102	0.105	0.100	0.109	0.104 3.37
112) o-terphenyl	0.519	0.546	0.549	0.524	0.506	0.521	0.531	0.542	0.530 2.86
113) Naphthalene-d8a	ISTD								
114) Hydroquinone		0.303	0.410	0.421	0.414	0.411		0.366	0.388 11.77

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

M2M2718.M Wed Jun 04 14:51:53 2014 MS2M

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2719-ICV2719
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64073.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2719\2M64073.D Vial: 10
Acq On : 4 Jun 2014 1:16 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2719, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
Last Update : Wed Jun 04 14:51:44 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
104	Acenaphthene-d10a	1.000	1.000	0.0	134	0.00	7.86
105	1,2,4,5-Tetrachlorobenzen	0.446	0.440	1.3	134	0.00	6.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64067.D M2M2718.M Wed Jun 04 14:54:46 2014 MS2M

8.7.9
8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2719-ICV2719
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64074.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2719\2M64074.D Vial: 11
Acq On : 4 Jun 2014 1:43 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2719, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
Last Update : Wed Jun 04 14:51:44 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	117	0.00	4.69
103	Benzaldehyde	1.234	1.272	-3.1	122	0.00	4.37
110	Phenanthrene-d10a	1.000	1.000	0.0	114	0.00	10.03
111	Atrazine	0.104	0.100	3.8	109	0.00	9.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64067.D M2M2718.M Wed Jun 04 14:56:15 2014 MS2M

8.7.10

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2719-ICV2719
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64075.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2719\2M64075.D Vial: 12
Acq On : 4 Jun 2014 2:09 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2719, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
Last Update : Wed Jun 04 14:51:44 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
113	Naphthalene-d8a	1.000	1.000	0.0	135	0.00	5.79
114	Hydroquinone	0.388	0.437	-12.6	144	0.00	6.25

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64067.D M2M2718.M Wed Jun 04 14:58:15 2014 MS2M

8.7.11

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2719-ICV2719
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64076.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2719\2M64076.D Vial: 13
Acq On : 4 Jun 2014 2:36 pm Operator: olgaa
Sample : icv2718-50 Inst : MS2M
Misc : op75039,E2M2719, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
Last Update : Wed Jun 04 14:51:44 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	Chrysene-d12a	1.000	1.000	0.0	162	0.00	14.21
108	Benzidine	0.782	0.857	-9.6	166	0.00	12.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64067.D M2M2718.M Wed Jun 04 15:01:39 2014 MS2M

8.7.12

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2723-CC2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64174.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2723\2M64174.D Vial: 2
Acq On : 7 Jun 2014 10:42 am Operator: harpreek
Sample : cc2718-25 Inst : MS2M
Misc : op75065,E2M2723,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
Last Update : Wed Jun 04 14:51:44 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	86	-0.04	4.65
2	t	1,4-Dioxane	0.792	0.692	12.6	83	-0.06	2.20
3	t	Pyridine	2.054	1.906	7.2	86	-0.04	2.54
4	t	N-Nitrosodimethylamine	1.139	1.154	-1.3	88	-0.05	2.50
5	S	2-Fluorophenol	1.583	1.599	-1.0	86	-0.04	3.70
6	t	Indene	3.053	2.923	4.3	88	-0.04	4.85
7	t	Cumene	4.588	4.380	4.5	88	-0.04	4.06
8	S	Phenol-d5	1.972	2.104	-6.7	89	-0.04	4.42
9	t	Phenol	2.509	2.575	-2.6	88	-0.04	4.43
10		Aniline	2.439	2.238	8.2	76	-0.04	4.42
11	t	bis(2-Chloroethyl)ether	1.695	1.789	-5.5	93	-0.04	4.45
12	t	2-Chlorophenol	1.596	1.605	-0.6	85	-0.04	4.51
13	t	Decane	1.163	1.090	6.3	87	-0.04	4.53
14	t	1,3-Dichlorobenzene	1.759	1.771	-0.7	85	-0.04	4.61
15	t	1,4-Dichlorobenzene	1.775	1.806	-1.7	86	-0.04	4.67
16	t	Benzyl alcohol	1.081	1.091	-0.9	81	-0.04	4.77
17	t	1,2-Dichlorobenzene	1.646	1.675	-1.8	86	-0.04	4.79
18	t	Acetophenone	2.597	2.526	2.7	90	-0.04	4.97
19	t	2-Methylphenol	1.587	1.621	-2.1	88	-0.04	4.88
20	t	2,2'-oxybis(1-Chloropropa	1.266	1.256	0.8	87	-0.04	4.86
21	t	3&4-Methylphenol	1.683	1.723	-2.4	87	-0.04	5.00
22	t	n-Nitroso-di-n-propylamin	1.173	1.299	-10.7	94	-0.05	4.97
23	t	Hexachloroethane	0.491	0.488	0.6	84	-0.05	5.05
24	I	Naphthalene-d8	1.000	1.000	0.0	88	-0.05	5.74
25	S	Nitrobenzene-d5	0.454	0.482	-6.2	92	-0.04	5.10
26	t	Nitrobenzene	0.492	0.528	-7.3	93	-0.04	5.11
27	t	Quinoline	0.852	0.785	7.9	88	-0.05	6.10
28	t	Isophorone	0.818	0.869	-6.2	91	-0.05	5.31
29	t	2-Nitrophenol	0.204	0.212	-3.9	88	-0.04	5.39
30	t	2,4-Dimethylphenol	0.347	0.397	-14.4	90	-0.04	5.44
31	t	Benzoic acid	0.254	0.211	16.9	67	-0.07	5.54
32	t	bis(2-Chloroethoxy)methan	0.465	0.486	-4.5	91	-0.04	5.50
33	t	2,4-Dichlorophenol	0.298	0.291	2.3	84	-0.04	5.63
34	t	2,6-Dichlorophenol	0.291	0.288	1.0	85	-0.05	5.83
35		1,3,5-Trichlorobenzene	0.347	0.317	8.6	87	-0.05	5.40
36	t	1,2,4-Trichlorobenzene	0.303	0.297	2.0	85	-0.05	5.68
37		1,2,3-Trichlorobenzene	0.335	0.296	11.6	84	-0.05	5.90
38	t	Naphthalene	1.151	1.161	-0.9	88	-0.05	5.76
39	t	4-Chloroaniline	0.439	0.429	2.3	82	-0.05	5.82
40	t	2,3-Dichloroaniline	0.402	0.365	9.2	86	-0.05	6.83
41	t	Caprolactam	0.146	0.145	0.7	93	-0.06	6.18

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2723-CC2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64174.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.160	0.158	1.3	86	-0.05	5.88
43	t	4-Chloro-3-methylphenol	0.368	0.385	-4.6	90	-0.05	6.36
44	t	2-Methylnaphthalene	0.639	0.653	-2.2	88	-0.06	6.49
45	t	1-Methylnaphthalene	0.816	0.764	6.4	89	-0.05	6.60
46	t	Dimethylnaphthalene	0.724	0.683	5.7	88	-0.06	7.25
47	I	Acenaphthene-d10	1.000	1.000	0.0	89	-0.06	7.80
48	t	Hexachlorocyclopentadiene	0.244	0.224	8.2	75	-0.06	6.67
49	t	2,4,6-Trichlorophenol	0.330	0.320	3.0	85	-0.06	6.84
50	t	2,4,5-Trichlorophenol	0.344	0.329	4.4	84	-0.05	6.90
51	S	2-Fluorobiphenyl	1.269	1.238	2.4	87	-0.06	6.92
52	t	2-Chloronaphthalene	1.194	1.187	0.6	87	-0.06	7.07
53	t	Biphenyl	1.754	1.598	8.9	88	-0.06	7.05
54	t	2-Nitroaniline	0.408	0.464	-13.7	100	-0.06	7.22
55	t	Dimethylphthalate	1.320	1.302	1.4	89	-0.06	7.45
56	t	Acenaphthylene	1.991	1.986	0.3	87	-0.06	7.60
57	t	2,6-Dinitrotoluene	0.299	0.303	-1.3	87	-0.06	7.53
58	t	3-Nitroaniline	0.375	0.367	2.1	84	-0.06	7.76
59	t	Acenaphthene	1.212	1.213	-0.1	89	-0.06	7.84
60	t	2,4-Dinitrophenol	0.159	0.118	25.8#	73	-0.05	7.92
61	t	4-Nitrophenol	0.197	0.242	-22.8#	100	-0.04	8.10
62	t	Dibenzofuran	1.638	1.655	-1.0	90	-0.06	8.08
63	t	2,4-Dinitrotoluene	0.394	0.423	-7.4	90	-0.05	8.10
64		2,3,4,6-Tetrachlorophenol	0.248	0.242	2.4	85	-0.06	8.29
65	t	Diethylphthalate	1.363	1.400	-2.7	91	-0.07	8.44
66	t	Fluorene	1.316	1.333	-1.3	88	-0.06	8.57
67	t	4-Chlorophenyl-phenylethe	0.539	0.524	2.8	86	-0.06	8.58
68	t	4-Nitroaniline	0.368	0.384	-4.3	89	-0.07	8.64
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	-0.07	9.97
70	t	4,6-Dinitro-2-methylpheno	0.130	0.121	6.9	76	-0.06	8.70
71	t	n-Nitrosodiphenylamine	0.585	0.587	-0.3	87	-0.07	8.76
72	t	1,2-Diphenylhydrazine	1.085	1.225	-12.9	94	-0.06	8.82
73	S	2,4,6-Tribromophenol	0.075	0.071	5.3	80	-0.07	8.93
74	t	4-Bromophenyl-phenylether	0.178	0.169	5.1	84	-0.07	9.30
75	t	Hexachlorobenzene	0.185	0.174	5.9	82	-0.06	9.40
76	t	Pentachlorophenol	0.098	0.093	5.1	79	-0.07	9.72
77	t	Phenanthrene	1.228	1.208	1.6	87	-0.06	10.01
78	t	Anthracene	1.220	1.239	-1.6	86	-0.07	10.08
79	t	Carbazole	1.340	1.231	8.1	86	-0.06	10.36
80	t	Di-n-butylphthalate	1.475	1.564	-6.0	90	-0.07	10.97
81	t	Fluoranthene	1.164	1.141	2.0	84	-0.07	11.86
82	t	Octadecane	0.543	0.557	-2.6	93	-0.07	9.90
83	I	Chrysene-d12	1.000	1.000	0.0	80	-0.06	14.15
84	t	Pyrene	1.430	1.544	-8.0	85	-0.06	12.21
85	S	Terphenyl-d14	0.838	0.858	-2.4	80	-0.07	12.51
86	t	Butylbenzylphthalate	0.756	0.883	-16.8	89	-0.07	13.34
87		Butyl stearate	0.362	0.461	-27.3#	90	-0.07	13.50
88	t	Benzo[a]anthracene	1.203	1.226	-1.9	82	-0.06	14.13
89	t	3,3'-Dichlorobenzidine	0.392	0.410	-4.6	80	-0.06	14.14
90	t	Chrysene	1.174	1.180	-0.5	81	-0.07	14.19
91	t	bis(2-Ethylhexyl)phthalat	1.029	1.169	-13.6	86	-0.07	14.30
92	I	Perylene-d12	1.000	1.000	0.0	73	-0.06	16.26
93	t	Di-n-octylphthalate	2.165	2.610	-20.6#	83	-0.07	15.28
94	t	Benzo[b]fluoranthene	1.372	1.469	-7.1	79	-0.07	15.74
95	t	Benzo[k]fluoranthene	1.319	1.273	3.5	70	-0.07	15.78
96	t	Benzo[a]pyrene	1.196	1.172	2.0	70	-0.07	16.18
97	t	Indeno[1,2,3-cd]pyrene	1.425	1.375	3.5	70	-0.09	17.78

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2723-CC2718
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64174.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	1.129	0.986	12.7	68	-0.08	17.43
99	t	Dibenz[a,h]anthracene	1.191	1.143	4.0	69	-0.09	17.81
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	25.917	-3.7	74	-0.07	15.74
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.144	1.068	6.6	67	-0.09	18.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64068.D M2M2718.M Sat Jun 07 16:30:39 2014 MS2M

8.7.13

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2723-CC2719
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64175.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2723\2M64175.D Vial: 3
Acq On : 7 Jun 2014 11:13 am Operator: harpreek
Sample : cc2719-25 Inst : MS2M
Misc : op75065,E2M2723,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2718.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
Last Update : Wed Jun 04 14:51:44 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.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	76	-0.04	4.65
103	Benzaldehyde	1.234	1.120	9.2	65	-0.04	4.33
104	Acenaphthene-d10a	1.000	1.000	0.0	80	-0.06	7.80
105	1,2,4,5-Tetrachlorobenzen	0.446	0.396	11.2	70	-0.05	6.69
106	Chrysene-d12a	1.000	1.000	0.0	70	-0.06	14.15
107	Benzidine	0.782	0.531	32.1#	39#	-0.06	12.12
108	Phenanthrene-d10a	1.000	1.000	0.0	77	-0.06	9.97
109	Atrazine	0.104	0.102	1.9	72	-0.06	9.61
110	Naphthalene-d8a	1.000	1.000	0.0	73	-0.05	5.74
111	Hydroquinone	0.388	0.422	-8.8	75	-0.05	6.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64068.D M2M2718.M Sat Jun 07 16:30:40 2014 MS2M

8.7.14
8

Initial Calibration Summary

Job Number: JB68318 **Sample:** E2M2729-ICC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64368.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2M

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:09:49 2014
Last Update : Fri Jun 13 10:09:49 2014
Response via : Initial Calibration

Calibration Files
2 =2M64372.D 5 =2M64371.D 25 =2M64369.D 80 =2M64367.D
100 =2M64366.D 50 =2M64368.D 1 =2M64373.D 10 =2M64370.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.857	0.841	0.809	0.761	0.744	0.792	0.815	0.806	0.803	4.73
3) Pyridine	1.840	2.063	1.943	1.852	1.794	1.910	1.991	1.988	1.923	4.72
4) N-Nitrosodim	1.061	1.141	1.107	1.048	1.019	1.088	1.097	1.090	1.081	3.49
5) 2-Fluorophen	1.536	1.675	1.629	1.521	1.461	1.589	1.517	1.615	1.568	4.52
6) Indene	3.059	3.186	2.941	2.259	2.010	2.684	3.086	3.009	2.779	15.43
7) Cumene	4.459	4.701	4.407	3.785	3.562	4.152	4.727	4.516	4.288	9.88
8) Phenol-d5	2.057	2.221	2.105	1.903	1.797	2.026	2.025	2.151	2.036	6.62
9) Phenol	2.370	2.617	2.435	2.101	1.913	2.311	2.425	2.485	2.332	9.65
10) Aniline	2.871	3.030	2.855	2.435	2.249	2.684	2.891	2.909	2.740	9.78
11) bis(2-Chloro	1.649	1.748	1.588	1.432	1.379	1.533	1.650	1.631	1.576	7.76
12) 2-Chlorophen	1.745	1.835	1.715	1.554	1.472	1.667	1.761	1.757	1.688	7.10
13) Decane	1.224	1.304	1.169	0.933	0.839	1.061	1.272	1.211	1.127	14.83
14) 1,3-Dichloro	1.866	2.017	1.896	1.666	1.597	1.807	1.941	1.917	1.838	7.74
15) 1,4-Dichloro	1.933	2.079	1.903	1.676	1.573	1.801	2.023	1.936	1.865	9.22
16) Benzyl alcoh	1.166	1.282	1.250	1.137	1.065	1.221	1.231	1.269	1.203	6.19
17) 1,2-Dichloro	1.841	1.939	1.742	1.535	1.457	1.687	1.851	1.775	1.728	9.46
18) Acetophenone	2.615	2.705	2.358	1.806	1.632	2.111	2.721	2.536	2.311	18.10
19) 2-Methylphen	1.642	1.792	1.647	1.355	1.213	1.553	1.734	1.693	1.579	12.57
20) 2,2'-oxybis(	1.567	1.643	1.466	1.169	1.044	1.335	1.609	1.549	1.423	15.44
21) 3&4-Methylph	1.703	1.843	1.644	1.231	1.096	1.479	1.785	1.765	1.568	17.54
22) n-Nitroso-di	1.127	1.182	1.013	0.803	0.745	0.924	1.100	1.107	1.000	16.07
23) Hexachloroet	0.507	0.541	0.528	0.509	0.482	0.517	0.542	0.524	0.519	3.77
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.424	0.457	0.431	0.394	0.378	0.418	0.439	0.441	0.423	6.15
26) Nitrobenzene	0.446	0.472	0.455	0.410	0.384	0.435	0.461	0.461	0.440	6.79
27) Quinoline	0.819	0.892	0.833	0.787	0.759	0.824	0.842	0.854	0.826	4.91
28) Isophorone	0.793	0.850	0.799	0.724	0.684	0.767	0.779	0.822	0.777	6.81
29) 2-Nitropheno	0.202	0.225	0.227	0.210	0.196	0.224	0.194	0.228	0.213	6.75
30) 2,4-Dimethyl	0.411	0.444	0.425	0.386	0.365	0.411	0.425	0.427	0.412	6.13
31) Benzoic acid		0.218	0.300	0.338	0.330	0.332		0.254	0.295	16.70
32) bis(2-Chloro	0.450	0.481	0.440	0.395	0.376	0.428	0.456	0.459	0.436	8.01
33) 2,4-Dichloro	0.290	0.327	0.307	0.291	0.276	0.306	0.271	0.314	0.298	6.44
34) 2,6-Dichloro	0.305	0.315	0.306	0.279	0.260	0.296	0.298	0.314	0.297	6.32
35) 1,3,5-Trichl	0.360	0.376	0.346	0.311	0.291	0.336	0.358	0.361	0.342	8.32
36) 1,2,4-Trichl	0.338	0.351	0.330	0.301	0.287	0.321	0.327	0.338	0.324	6.50
37) 1,2,3-Trichl	0.334	0.350	0.325	0.300	0.283	0.318	0.346	0.336	0.324	7.17
38) Naphthalene	1.301	1.320	1.222	1.064	0.996	1.168	1.330	1.270	1.209	10.25
39) 4-Chloroanil	0.505	0.558	0.527	0.451	0.417	0.499	0.517	0.537	0.501	9.29
40) 2,3-Dichloro	0.375	0.403	0.380	0.335	0.313	0.363	0.388	0.390	0.368	8.24
41) Caprolactam	0.140	0.157	0.153	0.151	0.144	0.155	0.138	0.157	0.149	5.19
42) Hexachlorobu	0.160	0.164	0.155	0.145	0.137	0.152	0.162	0.157	0.154	5.74
43) 4-Chloro-3-m	0.334	0.383	0.379	0.351	0.334	0.373	0.334	0.384	0.359	6.45
44) 2-Methylnaph	0.672	0.744	0.681	0.594	0.563	0.653	0.706	0.713	0.666	9.18
45) 1-Methylnaph	0.807	0.855	0.783	0.692	0.650	0.756	0.827	0.810	0.773	9.05

Initial Calibration Summary

Job Number: JB68318 **Sample:** E2M2729-ICC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64368.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.681	0.743	0.698	0.623	0.591	0.676	0.684	0.722	0.677	7.33
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.232	0.280	0.309	0.298	0.288	0.313	0.217	0.290	0.278	12.68
49)	2,4,6-Trichl	0.322	0.358	0.364	0.335	0.320	0.356	0.281	0.356	0.336	8.32
50)	2,4,5-Trichl	0.351	0.382	0.391	0.373	0.369	0.392	0.310	0.390	0.370	7.59
51)	2-Fluorobiph	1.410	1.470	1.373	1.235	1.181	1.320	1.403	1.417	1.351	7.31
52)	2-Chloronaph	1.319	1.374	1.308	1.172	1.096	1.246	1.321	1.327	1.270	7.36
53)	Biphenyl	1.760	1.849	1.736	1.496	1.413	1.655	1.830	1.793	1.692	9.43
54)	2-Nitroanili	0.330	0.400	0.394	0.370	0.357	0.392	0.309	0.394	0.368	9.18
55)	Dimethylphth	1.331	1.444	1.358	1.269	1.210	1.337	1.356	1.375	1.335	5.24
56)	Acenaphthyle	2.073	2.218	2.134	1.923	1.827	2.057	1.997	2.180	2.051	6.43
57)	2,6-Dinitrot	0.258	0.315	0.335	0.319	0.308	0.331	0.238	0.325	0.304	11.79
58)	3-Nitroanili	0.371	0.418	0.426	0.403	0.392	0.422	0.327	0.416	0.397	8.49
59)	Acenaphthene	1.350	1.384	1.295	1.149	1.091	1.243	1.385	1.332	1.279	8.56
60)	2,4-Dinitrop			0.159	0.189	0.186	0.183		0.121	0.168	17.01
61)	4-Nitropheno	0.154	0.196	0.215	0.215	0.211	0.218	0.136	0.206	0.194	16.18
62)	Dibenzofuran	1.874	1.927	1.778	1.541	1.446	1.695	1.866	1.857	1.748	9.94
63)	2,4-Dinitrot	0.350	0.441	0.455	0.403	0.379	0.441	0.330	0.440	0.405	11.62
64)	2,3,4,6-Tetr	0.229	0.271	0.288	0.285	0.280	0.294	0.217	0.283	0.268	10.84
65)	Diethylphtha	1.289	1.405	1.381	1.261	1.212	1.346	1.286	1.387	1.321	5.23
66)	Fluorene	1.395	1.498	1.429	1.262	1.190	1.375	1.392	1.453	1.374	7.38
67)	4-Chlorophen	0.606	0.647	0.606	0.555	0.530	0.595	0.614	0.615	0.596	6.18
68)	4-Nitroanili	0.361	0.429	0.419	0.410	0.396	0.422	0.347	0.434	0.402	8.02
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.095	0.148	0.161	0.157	0.157		0.123	0.140	18.40
71)	n-Nitrosodip	0.545	0.629	0.614	0.572	0.546	0.601	0.558	0.614	0.585	5.76
72)	1,2-Diphenyl	0.981	1.063	1.033	0.903	0.857	0.983	0.967	1.024	0.976	6.99
73)	2,4,6-Tribro	0.073	0.085	0.094	0.097	0.096	0.095	0.065	0.086	0.086	13.49
74)	4-Bromopheny	0.174	0.195	0.194	0.188	0.181	0.191	0.181	0.190	0.187	4.02
75)	Hexachlorobe	0.222	0.232	0.229	0.220	0.215	0.224	0.240	0.222	0.225	3.41
76)	Pentachlorop	0.085	0.117	0.136	0.143	0.138	0.143	0.128	0.124	0.127	15.18
77)	Phenanthrene	1.287	1.362	1.290	1.157	1.096	1.236	1.356	1.291	1.259	7.36
78)	Anthracene	1.206	1.339	1.322	1.184	1.130	1.262	1.237	1.301	1.248	5.80
79)	Carbazole	1.199	1.323	1.279	1.161	1.112	1.244	1.195	1.264	1.222	5.61
80)	Di-n-butylph	1.191	1.407	1.487	1.352	1.302	1.452	1.132	1.433	1.344	9.51
81)	Fluoranthene	1.093	1.247	1.256	1.158	1.126	1.227	1.104	1.201	1.176	5.53
82)	Octadecane	0.493	0.574	0.568	0.461	0.423	0.521	0.446	0.571	0.507	11.94
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.412	1.537	1.524	1.427	1.373	1.502	1.382	1.503	1.458	4.55
85)	Terphenyl-d1	0.787	0.886	0.900	0.888	0.865	0.924	0.778	0.885	0.864	6.12
86)	Butylbenzylp	0.550	0.658	0.741	0.707	0.683	0.742	0.505	0.691	0.660	13.22
87)	Butyl steara	0.305	0.388	0.433	0.364	0.333	0.414	0.263	0.417	0.365	16.44
88)	Benzo[a]anth	1.163	1.236	1.262	1.196	1.137	1.268	1.209	1.237	1.213	3.84
89)	3,3'-Dichlor	0.339	0.401	0.457	0.445	0.418	0.457	0.304	0.425	0.406	13.82
90)	Chrysene	1.199	1.239	1.210	1.176	1.136	1.210	1.282	1.198	1.206	3.56
91)	bis(2-Ethylh	0.686	0.881	1.035	0.984	0.940	1.036	0.598	0.945	0.888	18.24
92)	I Perylene-d12	ISTD									
93)	Di-n-octylph	1.185	1.719	1.995	2.026	1.908	2.028		1.879	1.820	16.50
94)	Benzo[b]fluo	1.267	1.454	1.441	1.546	1.505	1.483	1.273	1.423	1.424	7.19
95)	Benzo[k]fluo	1.336	1.511	1.418	1.369	1.274	1.358	1.393	1.466	1.391	5.36
96)	Benzo[a]pyre	1.024	1.190	1.262	1.315	1.268	1.274	0.979	1.231	1.193	10.40
97)	Indeno[1,2,3	0.803	1.089	1.163	1.346	1.290	1.238	0.783	1.168	1.110	19.03
98)	Dibenz(a,h)a	0.812	0.954	1.066	1.164	1.114	1.102	0.692	1.036	0.993	16.50
99)	Dibenz[a,h]a	1.020	1.172	1.225	1.335	1.285	1.245	0.912	1.198	1.174	12.01
100)	7,12-Dimethy	0.437	0.584	0.692	0.717	0.677	0.710	0.427	0.659	0.613	19.39
101)	Benzo[g,h,i]	0.993	1.117	1.154	1.245	1.192	1.173	0.938	1.142	1.119	9.22

8.7.15

8

Initial Calibration Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E2M2729-ICC2729
Lab FileID: 2M64368.D

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

M2M2729.M Fri Jun 13 10:09:55 2014 MS2M

8.7.15

8

Initial Calibration Summary

Job Number: JB68318 **Sample:** E2M2730-ICC2730
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64377.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2M

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:35:21 2014
Last Update : Fri Jun 13 14:35:21 2014
Response via : Initial Calibration

Calibration Files
2 =2M64381.D 5 =2M64380.D 25 =2M64378.D 80 =2M64376.D
100 =2M64375.D 50 =2M64377.D 1 =2M64382.D 10 =2M64390.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
102) 1,4-Dichlorobenzene-d	ISTD								
103) Benzaldehyde	1.289	1.337	1.297	0.971	0.902	1.156	1.305	1.450	1.213 15.62
104) Acenaphthene-d10a	ISTD								
105) 1,2,4,5-Tetr	0.493	0.504	0.487	0.497	0.496	0.496	0.495	0.529	0.500 2.58
106) 2-bromonapht	0.640	0.663	0.647	0.630	0.623	0.637	0.628	0.678	0.643 2.92
107) Chrysene-d12a	ISTD								
108) Benzidine	0.713	0.780	0.532	0.529	0.659		0.862	0.679	19.68
109) 1-chloroocta	0.302	0.351	0.368	0.326	0.315	0.358	0.255	0.378	0.332 12.27
110) Phenanthrene-d10a	ISTD								
111) Atrazine	0.084	0.104	0.114	0.116	0.114	0.113	0.073	0.118	0.105 15.90
112) o-terphenyl	0.503	0.551	0.551	0.538	0.523	0.537	0.500	0.585	0.536 5.17
113) Naphthalene-d8a	ISTD								
114) Hydroquinone	0.272	0.382	0.431	0.422	0.408		0.390	0.384	15.09

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

M2M2729.M Fri Jun 13 14:36:16 2014 MS2M

8.7.16

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64384.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64384.D Vial: 11
Acq On : 13 Jun 2014 2:55 pm Operator: saumilp
Sample : icv2729-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 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	146	0.00	4.77
3	t	Pyridine	1.923	1.610	16.3	123	0.01	2.66
4	t	N-Nitrosodimethylamine	1.081	0.948	12.3	128	0.02	2.63
11	t	bis(2-Chloroethyl)ether	1.576	1.420	9.9	136	0.00	4.56
14	t	1,3-Dichlorobenzene	1.838	1.502	18.3	122	0.00	4.73
15	t	1,4-Dichlorobenzene	1.865	1.498	19.7	122	0.00	4.79
16	t	Benzyl alcohol	1.203	1.012	15.9	121	0.00	4.88
17	t	1,2-Dichlorobenzene	1.728	1.451	16.0	126	0.00	4.90
20	t	2,2'-oxybis(1-Chloropropa	1.423	1.230	13.6	135	0.00	4.98
22	t	n-Nitroso-di-n-propylamin	1.000	0.948	5.2	150	0.00	5.08
23	t	Hexachloroethane	0.519	0.447	13.9	126	0.00	5.18
24	I	Naphthalene-d8	1.000	1.000	0.0	145	0.00	5.88
26	t	Nitrobenzene	0.440	0.359	18.4	119	0.00	5.23
28	t	Isophorone	0.777	0.636	18.1	120	0.00	5.44
32	t	bis(2-Chloroethoxy)methan	0.436	0.397	8.9	134	0.00	5.63
36	t	1,2,4-Trichlorobenzene	0.324	0.273	15.7	123	0.00	5.82
38	t	Naphthalene	1.209	0.996	17.6	123	0.00	5.90
42	t	Hexachlorobutadiene	0.154	0.133	13.6	126	0.00	6.03
44	t	2-Methylnaphthalene	0.666	0.547	17.9	121	0.00	6.64
47	I	Acenaphthene-d10	1.000	1.000	0.0	142	0.00	7.96
48	t	Hexachlorocyclopentadiene	0.278	0.224	19.4	102	0.00	6.84
52	t	2-Chloronaphthalene	1.270	1.037	18.3	118	0.00	7.22
54	t	2-Nitroaniline	0.368	0.317	13.9	115	0.00	7.36
55	t	Dimethylphthalate	1.335	1.161	13.0	124	0.00	7.61
56	t	Acenaphthylene	2.051	1.513	26.2	105	0.00	7.76
57	t	2,6-Dinitrotoluene	0.304	0.266	12.5	114	0.00	7.68
58	t	3-Nitroaniline	0.397	0.309	22.2	104	0.00	7.91
59	t	Acenaphthene	1.279	1.102	13.8	126	0.00	8.01
62	t	Dibenzofuran	1.748	1.460	16.5	123	0.00	8.25
63	t	2,4-Dinitrotoluene	0.405	0.333	17.8	108	0.00	8.24
65	t	Diethylphthalate	1.321	1.157	12.4	122	0.00	8.61
66	t	Fluorene	1.374	1.194	13.1	124	0.00	8.74
67	t	4-Chlorophenyl-phenylethe	0.596	0.532	10.7	127	0.00	8.75
68	t	4-Nitroaniline	0.402	0.343	14.7	116	0.00	8.78
69	I	Phenanthrene-d10	1.000	1.000	0.0	139	0.00	10.13
71	t	n-Nitrosodiphenylamine	0.585	0.554	5.3	128	0.00	8.93
72	t	1,2-Diphenylhydrazine	0.976	0.850	12.9	120	0.00	8.99
74	t	4-Bromophenyl-phenylether	0.187	0.175	6.4	127	0.00	9.48
75	t	Hexachlorobenzene	0.225	0.194	13.8	120	0.00	9.56

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64384.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.259	1.057	16.0	119	0.00	10.17
78	t	Anthracene	1.248	1.083	13.2	119	0.00	10.25
79	t	Carbazole	1.222	1.047	14.3	117	0.00	10.52
80	t	Di-n-butylphthalate	1.344	1.269	5.6	121	0.00	11.15
81	t	Fluoranthene	1.176	1.040	11.6	117	0.00	12.03
83	I	Chrysene-d12	1.000	1.000	0.0	135	0.00	14.32
84	t	Pyrene	1.458	1.302	10.7	117	0.00	12.38
86	t	Butylbenzylphthalate	0.660	0.636	3.6	115	0.00	13.52
88	t	Benzo[a]anthracene	1.213	1.031	15.0	110	0.00	14.30
90	t	Chrysene	1.206	1.066	11.6	119	0.00	14.36
91	t	bis(2-Ethylhexyl)phthalat	0.888	0.884	0.5	115	0.00	14.49
92	I	Perylene-d12	1.000	1.000	0.0	133	0.00	16.42
93	t	Di-n-octylphthalate	1.820	1.728	5.1	114	0.00	15.47
94	t	Benzo[b]fluoranthene	1.424	1.139	20.0	102	0.00	15.90
95	t	Benzo[k]fluoranthene	1.391	1.185	14.8	116	0.00	15.94
96	t	Benzo[a]pyrene	1.193	1.053	11.7	110	0.00	16.34
97	t	Indeno[1,2,3-cd]pyrene	1.110	0.941	15.2	101	0.00	18.00
99	t	Dibenz[a,h]anthracene	1.174	1.002	14.7	107	0.00	18.04
101	t	Benzo[g,h,i]perylene	1.119	0.969	13.4	110	0.00	18.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Fri Jun 13 16:20:50 2014 MS2M

8.7.17

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2730
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64384A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64384a.D Vial: 11
Acq On : 13 Jun 2014 2:55 pm Operator: saumilp
Sample : icv2730-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
104	Acenaphthene-d10a	1.000	1.000	0.0	122	0.00	7.96
105	1,2,4,5-Tetrachlorobenzen	0.500	0.482	3.6	118	0.00	6.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Fri Jun 13 16:20:52 2014 MS2M

8.7.18

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2730
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64385A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64385a.D Vial: 12
Acq On : 13 Jun 2014 3:22 pm Operator: saumilp
Sample : icv2730-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 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	105	0.00	4.77
103	Benzaldehyde	1.213	1.289	-6.3	117	0.00	4.43
110	Phenanthrene-d10a	1.000	1.000	0.0	108	0.00	10.13
111	Atrazine	0.105	0.107	-1.9	102	0.00	9.78

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Fri Jun 13 16:20:54 2014 MS2M

8.7.19

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64385.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64385.D Vial: 12
Acq On : 13 Jun 2014 3:22 pm Operator: saumilp
Sample : icv2729-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00	4.77
2	t	1,4-Dioxane	0.803	0.673	16.2	113	0.02	2.35
6	t	Indene	2.779	2.533	8.9	126	0.00	4.97
7	t	Cumene	4.288	3.507	18.2	113	0.00	4.17
13	t	Decane	1.127	0.860	23.7	108	0.00	4.65
18	t	Acetophenone	2.311	2.124	8.1	134	0.00	5.08
24	I	Naphthalene-d8	1.000	1.000	0.0	134	0.00	5.88
27	t	Quinoline	0.826	0.695	15.9	113	-0.01	6.23
40	t	2,3-Dichloroaniline	0.368	0.297	19.3	109	0.00	6.97
41	t	Caprolactam	0.149	0.126	15.4	109	-0.03	6.29
45	t	1-Methylnaphthalene	0.773	0.654	15.4	116	0.00	6.75
46	t	Dimethylnaphthalene	0.677	0.587	13.3	116	0.00	7.41
47	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00	7.96
53	t	Biphenyl	1.692	1.452	14.2	115	0.00	7.20
69	I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00	10.13
82	t	Octadecane	0.507	0.444	12.4	111	0.00	10.09
83	I	Chrysene-d12	1.000	1.000	0.0	125	0.00	14.31
92	I	Perylene-d12	1.000	1.000	0.0	118	0.00	16.42
100	t	7,12-Dimethylbenz(a)anthr	0.613	0.443	27.7	74	-0.01	15.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Fri Jun 13 16:20:53 2014 MS2M

8.7.20

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64386.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64386.D Vial: 13
Acq On : 13 Jun 2014 3:49 pm Operator: saumilp
Sample : icv2729-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 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	156	0.00	4.77
5	S	2-Fluorophenol	1.568	1.295	17.4	127	0.00	3.78
8	S	Phenol-d5	2.036	1.664	18.3	128	0.00	4.49
24	I	Naphthalene-d8	1.000	1.000	0.0	153	0.00	5.88
25	S	Nitrobenzene-d5	0.423	0.355	16.1	130	0.00	5.21
47	I	Acenaphthene-d10	1.000	1.000	0.0	152	0.00	7.96
51	S	2-Fluorobiphenyl	1.351	1.130	16.4	130	0.00	7.08
69	I	Phenanthrene-d10	1.000	1.000	0.0	148	0.00	10.13
73	S	2,4,6-Tribromophenol	0.086	0.073	15.1	114	0.00	9.09
83	I	Chrysene-d12	1.000	1.000	0.0	144	0.00	14.31
85	S	Terphenyl-d14	0.864	0.799	7.5	125	0.00	12.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Fri Jun 13 16:20:55 2014 MS2M

8.7.21
8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2730
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64388A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64388a.D Vial: 15
Acq On : 13 Jun 2014 4:42 pm Operator: saumilp
Sample : icv2730-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	Chrysene-d12a	1.000	1.000	0.0	125	0.00	14.31
108	Benzidine	0.679	0.742	-9.3	141	0.00	12.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Mon Jun 16 16:42:13 2014 MS2M

8.7.22
8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64388.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64388.D Vial: 15
Acq On : 13 Jun 2014 4:42 pm Operator: saumilp
Sample : icv2729-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 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	154	0.00	14.31
89 t	3,3'-Dichlorobenzidine	0.406	0.358	11.8	121	0.00	14.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Mon Jun 16 16:42:12 2014 MS2M

8.7.23

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2730-ICV2730
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64389.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2730\2M64389.D Vial: 16
Acq On : 13 Jun 2014 5:09 pm Operator: saumilp
Sample : icv2730-50 Inst : MS2M
Misc : op75065,E2M2730, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
113	Naphthalene-d8a	1.000	1.000	0.0	134	0.00	5.88
114	Hydroquinone	0.384	0.432	-12.5	142	0.01	6.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Mon Jun 16 16:42:14 2014 MS2M

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2731-ICV2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64393.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2731\2M64393.D Vial: 2
Acq On : 13 Jun 2014 10:47 pm Operator: andrews1
Sample : icv2729-50 Inst : MS2M
Misc : op75065,E2M2731, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	4.76
9	t	Phenol	2.332	2.076	11.0	97	0.00	4.50
12	t	2-Chlorophenol	1.688	1.590	5.8	103	0.00	4.60
19	t	2-Methylphenol	1.579	1.557	1.4	108	0.00	4.96
21	t	3&4-Methylphenol	1.568	1.623	-3.5	119	0.00	5.08
24	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	5.87
29	t	2-Nitrophenol	0.213	0.216	-1.4	103	0.00	5.51
30	t	2,4-Dimethylphenol	0.412	0.397	3.6	103	0.00	5.54
31	t	Benzoic acid	0.295	0.312	-5.8	100	0.00	5.65
33	t	2,4-Dichlorophenol	0.298	0.294	1.3	102	0.00	5.73
34	t	2,6-Dichlorophenol	0.297	0.292	1.7	105	0.00	5.95
43	t	4-Chloro-3-methylphenol	0.359	0.349	2.8	100	-0.02	6.45
47	I	Acenaphthene-d10	1.000	1.000	0.0	104	-0.01	7.95
49	t	2,4,6-Trichlorophenol	0.336	0.353	-5.1	103	-0.01	6.97
50	t	2,4,5-Trichlorophenol	0.370	0.378	-2.2	100	-0.01	7.01
60	t	2,4-Dinitrophenol	0.168	0.122	27.4	68	-0.02	8.04
61	t	4-Nitrophenol	0.194	0.203	-4.6	96	-0.01	8.15
64		2,3,4,6-Tetrachlorophenol	0.268	0.266	0.7	94	0.00	8.42
69	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00	10.13
70	t	4,6-Dinitro-2-methylpheno	0.140	0.127	9.3	83	-0.02	8.81
76	t	Pentachlorophenol	0.127	0.138	-8.7	98	-0.01	9.86

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Mon Jun 16 11:21:45 2014 MS2M

8.7.25
8

Initial Calibration Verification

Job Number: JB68318 **Sample:** E2M2731-ICV2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64394.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2731\2M64394.D Vial: 3
Acq On : 13 Jun 2014 11:14 pm Operator: andrews1
Sample : icv2729-50 Inst : MS2M
Misc : op75065,E2M2731, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
Last Update : Fri Jun 13 14:50:17 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	122	0.00	4.76
10	Aniline	2.740	2.549	7.0	116	0.00	4.51
24 I	Naphthalene-d8	1.000	1.000	0.0	122	0.00	5.87
39 t	4-Chloroaniline	0.501	0.469	6.4	115	0.00	5.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64368.D M2M2729.M Mon Jun 16 11:21:46 2014 MS2M

8.7.26

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2732-CC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2731\2M64396.D Vial: 2
Acq On : 13 Jun 2014 11:48 pm Operator: andrews1
Sample : cc2729-50 Inst : MS2M
Misc : op75065,E2M2732, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umMon Jun 16 11:49:33 2014
Last Update : Mon Jun 16 11:49:33 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	-0.01	4.76
2	t	1,4-Dioxane	0.803	0.783	2.5	94	0.00	2.32
3	t	Pyridine	1.923	1.934	-0.6	97	0.00	2.64
4	t	N-Nitrosodimethylamine	1.081	1.090	-0.8	96	0.00	2.61
5	S	2-Fluorophenol	1.568	1.575	-0.4	94	-0.03	3.77
6	t	Indene	2.779	2.647	4.7	94	0.00	4.97
7	t	Cumene	4.288	4.124	3.8	95	0.00	4.16
8	S	Phenol-d5	2.036	2.013	1.1	95	-0.03	4.49
9	t	Phenol	2.332	2.303	1.2	95	0.00	4.50
10		Aniline	2.740	2.610	4.7	93	0.00	4.51
11	t	bis(2-Chloroethyl)ether	1.576	1.515	3.9	94	0.00	4.56
12	t	2-Chlorophenol	1.688	1.631	3.4	93	0.00	4.60
13	t	Decane	1.127	1.042	7.5	94	0.00	4.64
14	t	1,3-Dichlorobenzene	1.838	1.774	3.5	94	0.00	4.72
15	t	1,4-Dichlorobenzene	1.865	1.802	3.4	95	0.00	4.78
16	t	Benzyl alcohol	1.203	1.189	1.2	93	0.00	4.87
17	t	1,2-Dichlorobenzene	1.728	1.666	3.6	94	0.00	4.90
18	t	Acetophenone	2.311	2.076	10.2	94	0.00	5.08
19	t	2-Methylphenol	1.579	1.521	3.7	93	0.00	4.96
20	t	2,2'-oxybis(1-Chloropropa	1.423	1.315	7.6	94	0.00	4.98
21	t	3&4-Methylphenol	1.568	1.435	8.5	92	0.00	5.08
22	t	n-Nitroso-di-n-propylamin	1.000	0.900	10.0	93	0.00	5.08
23	t	Hexachloroethane	0.519	0.511	1.5	94	0.00	5.18
24	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.02	5.87
25	S	Nitrobenzene-d5	0.423	0.415	1.9	94	-0.01	5.21
26	t	Nitrobenzene	0.440	0.429	2.5	94	0.00	5.23
27	t	Quinoline	0.826	0.815	1.3	94	0.00	6.24
28	t	Isophorone	0.777	0.768	1.2	95	0.00	5.44
29	t	2-Nitrophenol	0.213	0.220	-3.3	93	0.00	5.51
30	t	2,4-Dimethylphenol	0.412	0.401	2.7	92	0.00	5.54
31	t	Benzoic acid	0.295	0.326	-10.5	93	0.00	5.65
32	t	bis(2-Chloroethoxy)methan	0.436	0.426	2.3	94	0.00	5.62
33	t	2,4-Dichlorophenol	0.298	0.304	-2.0	94	0.00	5.73
34	t	2,6-Dichlorophenol	0.297	0.296	0.3	95	0.00	5.96
35		1,3,5-Trichlorobenzene	0.342	0.336	1.8	95	0.00	5.52
36	t	1,2,4-Trichlorobenzene	0.324	0.317	2.2	93	0.00	5.82
37		1,2,3-Trichlorobenzene	0.324	0.316	2.5	94	0.00	6.04
38	t	Naphthalene	1.209	1.161	4.0	94	0.00	5.89
39	t	4-Chloroaniline	0.501	0.493	1.6	94	0.00	5.94
40	t	2,3-Dichloroaniline	0.368	0.357	3.0	93	0.00	6.97
41	t	Caprolactam	0.149	0.155	-4.0	95	0.00	6.31

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2732-CC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.154	0.151	1.9	94	0.00	6.03
43	t	4-Chloro-3-methylphenol	0.359	0.371	-3.3	94	0.00	6.46
44	t	2-Methylnaphthalene	0.666	0.643	3.5	93	0.00	6.63
45	t	1-Methylnaphthalene	0.773	0.745	3.6	93	0.00	6.75
46	t	Dimethylnaphthalene	0.677	0.674	0.4	94	0.00	7.40
47	I	Acenaphthene-d10	1.000	1.000	0.0	95	-0.04	7.96
48	t	Hexachlorocyclopentadiene	0.278	0.293	-5.4	89	0.00	6.83
49	t	2,4,6-Trichlorophenol	0.336	0.355	-5.7	94	0.00	6.97
50	t	2,4,5-Trichlorophenol	0.370	0.385	-4.1	93	0.00	7.02
51	S	2-Fluorobiphenyl	1.351	1.303	3.6	93	-0.03	7.07
52	t	2-Chloronaphthalene	1.270	1.250	1.6	95	0.00	7.22
53	t	Biphenyl	1.692	1.621	4.2	93	0.00	7.20
54	t	2-Nitroaniline	0.368	0.389	-5.7	94	0.00	7.35
55	t	Dimethylphthalate	1.335	1.329	0.4	94	0.00	7.61
56	t	Acenaphthylene	2.051	2.047	0.2	94	0.00	7.76
57	t	2,6-Dinitrotoluene	0.304	0.334	-9.9	95	0.00	7.68
58	t	3-Nitroaniline	0.397	0.418	-5.3	94	0.00	7.90
59	t	Acenaphthene	1.279	1.232	3.7	94	0.00	8.00
60	t	2,4-Dinitrophenol	0.168	0.168	0.0	87	0.00	8.05
61	t	4-Nitrophenol	0.194	0.216	-11.3	94	0.00	8.15
62	t	Dibenzofuran	1.748	1.688	3.4	94	0.00	8.24
63	t	2,4-Dinitrotoluene	0.405	0.435	-7.4	93	0.00	8.24
64		2,3,4,6-Tetrachlorophenol	0.268	0.289	-7.8	93	0.00	8.42
65	t	Diethylphthalate	1.321	1.327	-0.5	93	0.00	8.61
66	t	Fluorene	1.374	1.363	0.8	94	0.00	8.73
67	t	4-Chlorophenyl-phenylethe	0.596	0.594	0.3	94	0.00	8.75
68	t	4-Nitroaniline	0.402	0.420	-4.5	94	0.00	8.78
69	I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.05	10.13
70	t	4,6-Dinitro-2-methylpheno	0.140	0.150	-7.1	90	0.00	8.82
71	t	n-Nitrosodiphenylamine	0.585	0.602	-2.9	94	0.00	8.93
72	t	1,2-Diphenylhydrazine	0.976	0.979	-0.3	94	0.00	8.98
73	S	2,4,6-Tribromophenol	0.086	0.098	-14.0	98	-0.05	9.09
74	t	4-Bromophenyl-phenylether	0.187	0.190	-1.6	94	0.00	9.48
75	t	Hexachlorobenzene	0.225	0.224	0.4	94	0.00	9.56
76	t	Pentachlorophenol	0.127	0.146	-15.0	96	0.00	9.86
77	t	Phenanthrene	1.259	1.227	2.5	93	0.00	10.17
78	t	Anthracene	1.248	1.261	-1.0	94	0.00	10.25
79	t	Carbazole	1.222	1.251	-2.4	95	0.00	10.51
80	t	Di-n-butylphthalate	1.344	1.467	-9.2	95	0.00	11.14
81	t	Fluoranthene	1.176	1.233	-4.8	95	0.00	12.03
82	t	Octadecane	0.507	0.522	-3.0	94	0.00	10.09
83	I	Chrysene-d12	1.000	1.000	0.0	95	-0.13	14.31
84	t	Pyrene	1.458	1.488	-2.1	94	0.00	12.37
85	S	Terphenyl-d14	0.864	0.914	-5.8	94	-0.07	12.69
86	t	Butylbenzylphthalate	0.660	0.747	-13.2	96	0.00	13.51
87		Butyl stearate	0.365	0.413	-13.2	95	0.00	13.69
88	t	Benzo[a]anthracene	1.213	1.260	-3.9	95	0.00	14.29
89	t	3,3'-Dichlorobenzidine	0.406	0.455	-12.1	95	0.00	14.30
90	t	Chrysene	1.206	1.214	-0.7	96	0.00	14.35
91	t	bis(2-Ethylhexyl)phthalat	0.888	1.041	-17.2	96	0.00	14.48
92	I	Perylene-d12	1.000	1.000	0.0	98	-0.20	16.41
93	t	Di-n-octylphthalate	1.820	1.975	-8.5	96	0.00	15.47
94	t	Benzo[b]fluoranthene	1.424	1.437	-0.9	95	0.00	15.90
95	t	Benzo[k]fluoranthene	1.391	1.364	1.9	99	0.00	15.94
96	t	Benzo[a]pyrene	1.193	1.250	-4.8	96	0.00	16.34
97	t	Indeno[1,2,3-cd]pyrene	1.110	1.239	-11.6	98	0.00	17.99

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2732-CC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	0.993	1.081	-8.9	96	0.00	17.63
99	t	Dibenz[a,h]anthracene	1.174	1.240	-5.6	98	0.00	18.03
100	t	7,12-Dimethylbenz(a)anthr	0.613	0.689	-12.4	95	0.00	15.90
101	t	Benzo[g,h,i]perylene	1.119	1.171	-4.6	98	0.00	18.44

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64419.D M2M2729.M Mon Jun 16 12:09:01 2014 MS2M

8.7.27

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E2M2732-CC2730
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64397.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2731\2M64397.D Vial: 3
Acq On : 14 Jun 2014 12:17 am Operator: andrews1
Sample : cc2730-50 Inst : MS2M
Misc : op75065,E2M2732, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2729.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umMon Jun 16 11:49:33 2014
Last Update : Mon Jun 16 11:49:33 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	105	-0.01	4.76
103	Benzaldehyde	1.213	1.219	-0.5	111	0.00	4.43
104	Acenaphthene-d10a	1.000	1.000	0.0	108	-0.04	7.96
105	1,2,4,5-Tetrachlorobenzen	0.500	0.492	1.6	107	0.00	6.83
106	Chrysene-d12a	1.000	1.000	0.0	115	-0.14	14.31
107	Benzidine	0.679	0.658	3.1	115	0.00	12.28
108	Phenanthrene-d10a	1.000	1.000	0.0	110	-0.05	10.13
109	Atrazine	0.105	0.119	-13.3	116	0.00	9.77
110	Naphthalene-d8a	1.000	1.000	0.0	107	-0.02	5.87
111	Hydroquinone	0.384	0.431	-12.2	113	0.00	6.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64419.D M2M2729.M Mon Jun 16 12:09:02 2014 MS2M

8.7.28
8

Initial Calibration Summary

Job Number: JB68318 **Sample:** E3E2646-ICC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Calibration Files
2 =3E61400.D 5 =3E61399.D 25 =3E61397.D 80 =3E61395.D
100 =3E61394.D 50 =3E61396.D 1 =3E61401.D 10 =3E61398.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.774	0.754	0.672	0.734	0.707	0.662	0.741	0.725	0.721 5.39
3) Pyridine	1.772	1.830	1.724	1.868	1.756	1.686	1.754	1.784	1.772 3.24
4) N-Nitrosodim	0.979	1.004	1.020	1.009	0.946	1.014	0.925	0.985	0.985 3.49
5) 2-Fluorophen	1.272	1.350	1.444	1.417	1.340	1.424	1.223	1.343	1.352 5.68
6) Indene	2.843	2.956	2.612	2.462	2.221	2.454	2.841	2.883	2.659 9.85
7) Cumene	4.045	4.119	3.670	3.452	3.165	3.473	4.040	4.004	3.746 9.50
8) Phenol-d5	1.602	1.703	1.793	1.707	1.614	1.748	1.545	1.685	1.675 4.89
9) Phenol	1.852	1.935	1.958	1.971	1.842	2.043	1.929	1.909	1.930 3.36
10) Aniline	2.294	2.232	2.230	1.748	1.634	2.084	2.163	2.054	2.055 11.68
11) bis(2-Chloro	1.372	1.403	1.400	1.340	1.259	1.358	1.368	1.365	1.358 3.33
12) 2-Chlorophen	1.433	1.542	1.551	1.505	1.426	1.516	1.512	1.500	1.498 3.07
13) Decane	1.798	1.843	1.622	1.433	1.232	1.524	1.745	1.787	1.623 13.16
14) 1,3-Dichloro	1.639	1.661	1.655	1.514	1.456	1.597	1.680	1.608	1.601 4.90
15) 1,4-Dichloro	1.636	1.648	1.652	1.495	1.422	1.577	1.709	1.594	1.591 5.85
16) Benzyl alcoh	0.914	0.984	1.023	0.980	0.928	1.008	0.897	0.960	0.962 4.72
17) 1,2-Dichloro	1.533	1.530	1.525	1.364	1.283	1.458	1.610	1.497	1.475 7.12
18) Acetophenone	2.284	2.351	2.053	1.924	1.736	1.942	2.257	2.270	2.102 10.50
19) 2-Methylphen	1.221	1.366	1.333	1.265	1.178	1.292	1.252	1.319	1.278 4.84
20) 2,2'-oxybis(	0.523	0.530	0.524	0.485	0.445	0.508	0.507	0.514	0.504 5.49
21) 3&4-Methylph	1.281	1.418	1.459	1.320	1.194	1.413	1.335	1.420	1.355 6.55
22) n-Nitroso-di	0.974	1.005	1.005	0.843	0.768	0.941	0.954	0.974	0.933 9.03
23) Hexachloroet	0.459	0.456	0.455	0.399	0.403	0.429	0.438	0.444	0.436 5.37
24) I Naphthalene-d8	ISTD								
25) Nitrobenzene	0.319	0.358	0.363	0.364	0.344	0.362	0.312	0.352	0.347 5.93
26) Nitrobenzene	0.371	0.399	0.405	0.391	0.369	0.399	0.382	0.393	0.389 3.47
27) Quinoline	0.821	0.865	0.741	0.810	0.777	0.720	0.798	0.837	0.796 6.10
28) Isophorone	0.650	0.692	0.704	0.662	0.626	0.694	0.617	0.683	0.666 4.86
29) 2-Nitropheno	0.152	0.183	0.200	0.214	0.207	0.205	0.147	0.189	0.187 13.51
30) 2,4-Dimethyl	0.198	0.279	0.328	0.342	0.332	0.341	0.241	0.293	0.294 17.93
31) Benzoic acid		0.155	0.226	0.286	0.271	0.258		0.193	0.232 21.80
----- Linear regression ----- Coefficient = 0.9971									
Response Ratio = -0.02489 + 0.28613 *A									
32) bis(2-Chloro	0.399	0.413	0.406	0.399	0.380	0.403	0.396	0.399	0.399 2.35
33) 2,4-Dichloro	0.262	0.287	0.285	0.279	0.275	0.278	0.256	0.282	0.275 4.03
34) 2,6-Dichloro	0.265	0.280	0.272	0.266	0.259	0.265	0.259	0.272	0.267 2.68
35) 1,3,5-Trichl	0.388	0.397	0.330	0.340	0.346	0.316	0.391	0.373	0.360 8.62
36) 1,2,4-Trichl	0.323	0.325	0.305	0.274	0.272	0.291	0.321	0.307	0.302 7.09
37) 1,2,3-Trichl	0.355	0.356	0.292	0.287	0.276	0.272	0.361	0.334	0.317 12.27
38) Naphthalene	1.148	1.145	1.086	0.983	0.924	1.047	1.220	1.099	1.081 8.82
39) 4-Chloroanil	0.455	0.474	0.481	0.427	0.406	0.465	0.442	0.463	0.452 5.58
40) 2,3-Dichloro	0.387	0.407	0.357	0.376	0.359	0.346	0.379	0.395	0.376 5.49
41) Caprolactam	0.164	0.186	0.177	0.213	0.199	0.179	0.141	0.189	0.181 11.97
42) Hexachlorobu	0.147	0.147	0.138	0.123	0.124	0.129	0.154	0.140	0.138 8.51

Initial Calibration Summary

Job Number: JB68318 **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
```

8.7.29

8

Initial Calibration Summary

Job Number: JB68318 **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
```

8.7.29

8

Initial Calibration Summary

Job Number: JB68318 **Sample:** E3E2647-ICC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61405.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2647.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Calibration Files
2 =3E61409.D 5 =3E61408.D 25 =3E61406.D 80 =3E61404.D
100 =3E61403.D 50 =3E61405.D 1 =3E61410.D 10 =3E61407.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
102) 1,4-Dichlorobenzene-d	ISTD								
103) Benzaldehyde	1.012	1.108	1.170	1.061	0.954	1.131	0.983	1.133	1.069 7.40
104) Acenaphthene-d10a	ISTD								
105) 1,2,4,5-Tetr	0.469	0.491	0.491	0.497	0.511	0.482	0.465	0.478	0.486 3.16
106) Phenanthrene-d10a	ISTD								
107) Atrazine	0.069	0.090	0.114	0.119	0.120	0.113		0.106	0.104 17.72
108) o-Terphenyl	0.457	0.519	0.552	0.565	0.569	0.551	0.452	0.536	0.525 8.83
109) 1-Chloroocta	0.202	0.277	0.367	0.371	0.360	0.371		0.339	0.327 19.67
110) I Chrysene-d12a	ISTD								
111) benzidine		0.614	0.883	0.592		0.808		0.780	0.736 17.23
112) I Naphthalene-d8a	ISTD								
113) Hydroquinone		0.202	0.331	0.333	0.334	0.339		0.277	0.303 17.91

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

M3E2646.M Fri Jun 06 10:04:47 2014 MS3E

8.7.30

8

Initial Calibration Verification

Job Number: JB68318 **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: JB68318 **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

8.7.31

8

Initial Calibration Verification

Job Number: JB68318 **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

8.7.32

8

Initial Calibration Verification

Job Number: JB68318 **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

Initial Calibration Verification

Job Number: JB68318 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61416.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61416.D Vial: 23
Acq On : 5 Jun 2014 3:49 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	181	0.00	14.66
89 t	3,3'-Dichlorobenzidine	0.434	0.386	11.1	149	0.00	14.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:30:43 2014 MS3E

8.7.34

8

Initial Calibration Verification

Job Number: JB68318 **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

Initial Calibration Verification

Job Number: JB68318 **Sample:** E3E2647-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61417.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61417.D Vial: 24
Acq On : 5 Jun 2014 4:16 am Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	128	0.00	6.12
113 T	Hydroquinone	0.303	0.335	-10.6	127	0.01	6.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:02:06 2014 MS3E

8.7.36

8

Initial Calibration Verification

Job Number: JB68318 **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: JB68318 **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

8.7.38

8

Initial Calibration Verification

Job Number: JB68318 **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

8.7.39
8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2652-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61818.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2652\3E61818.D Vial: 2
Acq On : 8 Jun 2014 1:56 pm Operator: ashleyd
Sample : cc2646-25 Inst : MS3E
Misc : op74977,e3e2652 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	-0.01	4.97
2	t	1,4-Dioxane	0.721	0.734	-1.8	91	-0.02	2.56
3	t	Pyridine	1.772	1.826	-3.0	88	-0.02	2.87
4	t	N-Nitrosodimethylamine	0.985	0.989	-0.4	81	-0.02	2.83
5	S	2-Fluorophenol	1.352	1.364	-0.9	79	0.00	3.97
6	t	Indene	2.659	2.804	-5.5	90	-0.01	5.18
7	t	Cumene	3.746	3.976	-6.1	90	-0.01	4.36
8	S	Phenol-d5	1.675	1.676	-0.1	78	0.00	4.68
9	t	Phenol	1.930	1.952	-1.1	83	0.00	4.69
10		Aniline	2.055	1.822	11.3	68	-0.01	4.71
11	t	bis(2-Chloroethyl)ether	1.358	1.327	2.3	79	-0.01	4.75
12	t	2-Chlorophenol	1.498	1.471	1.8	79	0.00	4.81
13	t	Decane	1.623	1.838	-13.2	95	-0.02	4.83
14	t	1,3-Dichlorobenzene	1.601	1.588	0.8	80	-0.01	4.92
15	t	1,4-Dichlorobenzene	1.591	1.598	-0.4	81	-0.01	4.98
16	t	Benzyl alcohol	0.962	0.963	-0.1	79	0.00	5.07
17	t	1,2-Dichlorobenzene	1.475	1.472	0.2	81	-0.01	5.11
18	t	Acetophenone	2.102	2.099	0.1	85	-0.01	5.29
19	t	2-Methylphenol	1.278	1.285	-0.5	80	0.00	5.17
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.494	2.0	79	-0.01	5.18
21	t	3&4-Methylphenol	1.355	1.376	-1.5	79	0.00	5.29
22	t	n-Nitroso-di-n-propylamin	0.933	0.958	-2.7	80	-0.01	5.29
23	t	Hexachloroethane	0.436	0.461	-5.7	84	-0.02	5.40
24	I	Naphthalene-d8	1.000	1.000	0.0	81	-0.02	6.11
25	S	Nitrobenzene-d5	0.347	0.364	-4.9	81	-0.01	5.43
26	t	Nitrobenzene	0.389	0.392	-0.8	78	-0.01	5.44
27	t	Quinoline	0.796	0.798	-0.3	87	-0.01	6.48
28	t	Isophorone	0.666	0.664	0.3	76	-0.01	5.65
29	t	2-Nitrophenol	0.187	0.207	-10.7	84	-0.01	5.73
30	t	2,4-Dimethylphenol	0.294	0.308	-4.8	76	-0.01	5.76
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	25.000	22.965	8.1	80	0.03	5.84
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.399	0.384	3.8	76	-0.02	5.84
33	t	2,4-Dichlorophenol	0.275	0.287	-4.4	81	-0.01	5.96
34	t	2,6-Dichlorophenol	0.267	0.267	0.0	79	-0.01	6.19
35		1,3,5-Trichlorobenzene	0.360	0.370	-2.8	90	-0.01	5.75
36	t	1,2,4-Trichlorobenzene	0.302	0.298	1.3	79	-0.02	6.05
37		1,2,3-Trichlorobenzene	0.317	0.324	-2.2	90	-0.01	6.28

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2652-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61818.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.081	1.052	2.7	78	-0.02	6.13
39	t	4-Chloroaniline	0.452	0.424	6.2	71	-0.01	6.18
40	t	2,3-Dichloroaniline	0.376	0.367	2.4	83	-0.01	7.23
41	t	Caprolactam	0.181	0.193	-6.6	88	0.02	6.55
42	t	Hexachlorobutadiene	0.138	0.141	-2.2	82	-0.02	6.26
43	t	4-Chloro-3-methylphenol	0.292	0.294	-0.7	78	0.00	6.71
44	t	2-Methylnaphthalene	0.629	0.609	3.2	76	-0.02	6.89
45	t	1-Methylnaphthalene	0.687	0.682	0.7	85	-0.02	7.01
46	t	Dimethylnaphthalene	0.686	0.681	0.7	85	-0.01	7.67
47	I	Acenaphthene-d10	1.000	1.000	0.0	82	-0.02	8.24
48	t	Hexachlorocyclopentadiene	0.273	0.298	-9.2	85	-0.02	7.09
49	t	2,4,6-Trichlorophenol	0.315	0.330	-4.8	81	-0.01	7.24
50	t	2,4,5-Trichlorophenol	0.330	0.343	-3.9	80	0.00	7.28
51	S	2-Fluorobiphenyl	1.227	1.158	5.6	74	-0.02	7.34
52	t	2-Chloronaphthalene	1.132	1.067	5.7	75	-0.01	7.49
53	t	Biphenyl	1.723	1.671	3.0	84	-0.02	7.47
54	t	2-Nitroaniline	0.357	0.368	-3.1	79	-0.01	7.62
55	t	Dimethylphthalate	1.200	1.141	4.9	77	-0.01	7.87
56	t	Acenaphthylene	1.840	1.775	3.5	76	-0.01	8.04
		----------	True	Calc.	% Drift		----------	
57	t	2,6-Dinitrotoluene	25.000	24.451	2.2	81	-0.01	7.95
		----------	AvgRF	CCRF	% Dev		----------	
58	t	3-Nitroaniline	0.328	0.340	-3.7	76	-0.01	8.18
59	t	Acenaphthene	1.178	1.087	7.7	73	-0.02	8.28
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	50.000	47.429	5.1	82	0.00	8.33
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.168	0.157	6.5	77	0.00	8.43
62	t	Dibenzofuran	1.570	1.440	8.3	75	-0.01	8.53
		----------	True	Calc.	% Drift		----------	
63	t	2,4-Dinitrotoluene	25.000	24.245	3.0	79	0.00	8.51
		----------	AvgRF	CCRF	% Dev		----------	
64		2,3,4,6-Tetrachlorophenol	0.233	0.252	-8.2	81	-0.01	8.71
65	t	Diethylphthalate	1.186	1.160	2.2	77	-0.02	8.88
66	t	Fluorene	1.297	1.217	6.2	74	-0.01	9.03
67	t	4-Chlorophenyl-phenylethe	0.534	0.507	5.1	77	-0.01	9.04
68	t	4-Nitroaniline	0.336	0.331	1.5	70	0.00	9.05
69	I	Phenanthrene-d10	1.000	1.000	0.0	84	-0.02	10.44
70	t	4,6-Dinitro-2-methylpheno	0.110	0.106	3.6	85	0.00	9.11
71	t	n-Nitrosodiphenylamine	0.567	0.536	5.5	76	-0.01	9.21
72	t	1,2-Diphenylhydrazine	0.900	0.863	4.1	74	-0.02	9.27
73	S	2,4,6-Tribromophenol	0.070	0.080	-14.3	84	-0.01	9.39
74	t	4-Bromophenyl-phenylether	0.186	0.180	3.2	78	-0.02	9.77
75	t	Hexachlorobenzene	0.196	0.190	3.1	79	-0.01	9.86
76	t	Pentachlorophenol	0.119	0.121	-1.7	79	-0.01	10.17
77	t	Phenanthrene	1.128	1.032	8.5	74	-0.01	10.48
78	t	Anthracene	1.103	1.044	5.3	73	-0.01	10.56
79	t	Carbazole	1.224	1.192	2.6	84	-0.01	10.82
80	t	Di-n-butylphthalate	1.260	1.287	-2.1	78	-0.02	11.43
81	t	Fluoranthene	1.146	1.105	3.6	76	-0.01	12.35
82	t	Octadecane	0.637	0.692	-8.6	88	-0.02	10.36

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2652-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61818.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	81	-0.02	14.64
84	t	Pyrene	1.367	1.337	2.2	76	-0.01	12.70
85	S	Terphenyl-d14	0.846	0.843	0.4	76	-0.02	13.00
		----------	True	Calc.	% Drift	----------		
86	t	Butylbenzylphthalate	25.000	23.553	5.8	79	-0.02	13.82
		----------	AvgRF	CCRF	% Dev	----------		
87		Butyl stearate	0.444	0.492	-10.8	80	-0.02	13.98
88	t	Benzo[a]anthracene	1.237	1.155	6.6	74	-0.01	14.63
89	t	3,3'-Dichlorobenzidine	0.434	0.436	-0.5	79	-0.01	14.62
90	t	Chrysene	1.017	0.975	4.1	74	0.00	14.69
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.872	-6.2	80	-0.02	14.78
92	I	Perylene-d12	1.000	1.000	0.0	76	-0.02	16.78
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	25.000	25.799	-3.2	84	-0.02	15.77
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.351	1.349	0.1	71	-0.01	16.24
95	t	Benzo[k]fluoranthene	1.215	1.234	-1.6	72	0.00	16.28
96	t	Benzo[a]pyrene	1.111	1.125	-1.3	72	0.00	16.69
97	t	Indeno[1,2,3-cd]pyrene	1.135	1.129	0.5	71	-0.01	18.49
98	t	Dibenz(a,h)acridine	1.095	1.124	-2.6	81	-0.01	18.09
99	t	Dibenz[a,h]anthracene	1.092	1.054	3.5	69	-0.01	18.53
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	25.000	24.959	0.2	75	0.00	16.24
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.099	1.055	4.0	69	0.00	18.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61406.D M3E2646.M Mon Jun 09 15:55:34 2014 MS3E

8.7.40

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2652-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61819.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2652\3E61819.D Vial: 3
Acq On : 8 Jun 2014 2:24 pm Operator: ashleyd
Sample : cc2647-25 Inst : MS3E
Misc : op74977,e3e2652 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	86	-0.01	4.97
103	Benzaldehyde	1.069	1.020	4.6	75	-0.01	4.63
104	Acenaphthene-d10a	1.000	1.000	0.0	86	-0.02	8.24
105	1,2,4,5-Tetrachlorobenzen	0.486	0.482	0.8	85	-0.01	7.10
106	Phenanthrene-d10a	1.000	1.000	0.0	87	-0.02	10.44
107	Atrazine	0.104	0.119	-14.4	91	-0.01	10.05
108 I	Chrysene-d12a	1.000	1.000	0.0	89	-0.02	14.64
109 T	benzidine	0.736	0.553	24.9#	56	-0.02	12.59
110 I	Naphthalene-d8a	1.000	1.000	0.0	86	-0.02	6.11
111 T	Hydroquinone	0.303	0.367	-21.1#	96	0.00	6.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61406.D M3E2646.M Mon Jun 09 15:55:35 2014 MS3E

8.7.41
8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2653-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61844.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2653\3E61844.D Vial: 2
Acq On : 9 Jun 2014 9:19 am Operator: saumilp
Sample : CC2646-50 Inst : MS3E
Misc : op74977,e3e2653 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	-0.02	4.96
2	t	1,4-Dioxane	0.721	0.717	0.6	96	-0.04	2.54
3	t	Pyridine	1.772	1.766	0.3	93	-0.03	2.86
4	t	N-Nitrosodimethylamine	0.985	0.980	0.5	86	-0.03	2.82
5	S	2-Fluorophenol	1.352	1.334	1.3	83	-0.01	3.97
6	t	Indene	2.659	2.613	1.7	95	-0.02	5.17
7	t	Cumene	3.746	3.795	-1.3	97	-0.02	4.35
8	S	Phenol-d5	1.675	1.620	3.3	83	0.00	4.67
9	t	Phenol	1.930	1.879	2.6	82	0.00	4.68
10		Aniline	2.055	1.671	18.7	71	-0.02	4.70
11	t	bis(2-Chloroethyl)ether	1.358	1.251	7.9	82	-0.02	4.74
12	t	2-Chlorophenol	1.498	1.409	5.9	83	-0.02	4.80
13	t	Decane	1.623	1.739	-7.1	102	-0.03	4.82
14	t	1,3-Dichlorobenzene	1.601	1.525	4.7	85	-0.02	4.91
15	t	1,4-Dichlorobenzene	1.591	1.506	5.3	85	-0.02	4.97
16	t	Benzyl alcohol	0.962	0.936	2.7	83	-0.02	5.06
17	t	1,2-Dichlorobenzene	1.475	1.359	7.9	83	-0.02	5.10
18	t	Acetophenone	2.102	1.989	5.4	91	-0.02	5.29
19	t	2-Methylphenol	1.278	1.216	4.9	84	-0.01	5.16
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.474	6.0	83	-0.02	5.17
21	t	3&4-Methylphenol	1.355	1.324	2.3	83	-0.01	5.28
22	t	n-Nitroso-di-n-propylamin	0.933	0.888	4.8	84	-0.02	5.28
23	t	Hexachloroethane	0.436	0.420	3.7	87	-0.03	5.38
24	I	Naphthalene-d8	1.000	1.000	0.0	85	-0.03	6.10
25	S	Nitrobenzene-d5	0.347	0.360	-3.7	85	-0.02	5.42
26	t	Nitrobenzene	0.389	0.387	0.5	82	-0.02	5.43
27	t	Quinoline	0.796	0.758	4.8	90	-0.02	6.47
28	t	Isophorone	0.666	0.651	2.3	80	-0.02	5.65
29	t	2-Nitrophenol	0.187	0.211	-12.8	88	-0.02	5.72
30	t	2,4-Dimethylphenol	0.294	0.323	-9.9	80	-0.02	5.75
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	47.573	4.9	83	0.05	5.87
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.399	0.378	5.3	80	-0.03	5.83
33	t	2,4-Dichlorophenol	0.275	0.269	2.2	82	-0.02	5.96
34	t	2,6-Dichlorophenol	0.267	0.249	6.7	80	-0.02	6.18
35		1,3,5-Trichlorobenzene	0.360	0.350	2.8	94	-0.02	5.74
36	t	1,2,4-Trichlorobenzene	0.302	0.278	7.9	81	-0.03	6.04
37		1,2,3-Trichlorobenzene	0.317	0.291	8.2	91	-0.03	6.27

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2653-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61844.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.081	0.989	8.5	80	-0.03	6.12
39	t	4-Chloroaniline	0.452	0.404	10.6	74	-0.02	6.17
40	t	2,3-Dichloroaniline	0.376	0.351	6.6	86	-0.02	7.22
41	t	Caprolactam	0.181	0.006#	96.7#	3#	-0.02	6.51
42	t	Hexachlorobutadiene	0.138	0.129	6.5	85	-0.03	6.25
43	t	4-Chloro-3-methylphenol	0.292	0.295	-1.0	82	0.00	6.70
44	t	2-Methylnaphthalene	0.629	0.585	7.0	79	-0.03	6.88
45	t	1-Methylnaphthalene	0.687	0.657	4.4	89	-0.02	7.00
46	t	Dimethylnaphthalene	0.686	0.640	6.7	87	-0.02	7.66
47	I	Acenaphthene-d10	1.000	1.000	0.0	86	-0.03	8.23
48	t	Hexachlorocyclopentadiene	0.273	0.283	-3.7	85	-0.03	7.07
49	t	2,4,6-Trichlorophenol	0.315	0.316	-0.3	82	-0.02	7.22
50	t	2,4,5-Trichlorophenol	0.330	0.321	2.7	82	0.00	7.28
51	S	2-Fluorobiphenyl	1.227	1.111	9.5	77	-0.03	7.33
52	t	2-Chloronaphthalene	1.132	1.004	11.3	76	-0.02	7.48
53	t	Biphenyl	1.723	1.641	4.8	87	-0.03	7.45
54	t	2-Nitroaniline	0.357	0.391	-9.5	84	-0.02	7.61
55	t	Dimethylphthalate	1.200	1.112	7.3	81	-0.02	7.86
56	t	Acenaphthylene	1.840	1.725	6.2	77	-0.02	8.03
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	48.953	2.1	81	-0.02	7.94
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.328	0.337	-2.7	76	-0.02	8.17
59	t	Acenaphthene	1.178	1.078	8.5	77	-0.03	8.27
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	94.531	5.5	84	0.00	8.33
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.168	0.175	-4.2	85	0.00	8.43
62	t	Dibenzofuran	1.570	1.399	10.9	76	-0.02	8.52
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	48.531	2.9	81	0.00	8.51
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.233	0.241	-3.4	81	-0.02	8.71
65	t	Diethylphthalate	1.186	1.161	2.1	81	-0.03	8.87
66	t	Fluorene	1.297	1.229	5.2	79	-0.02	9.02
67	t	4-Chlorophenyl-phenylethe	0.534	0.492	7.9	83	-0.03	9.02
68	t	4-Nitroaniline	0.336	0.293	12.8	65	0.00	9.05
69	I	Phenanthrene-d10	1.000	1.000	0.0	89	-0.02	10.43
70	t	4,6-Dinitro-2-methylpheno	0.110	0.113	-2.7	86	0.00	9.11
71	t	n-Nitrosodiphenylamine	0.567	0.528	6.9	79	-0.02	9.20
72	t	1,2-Diphenylhydrazine	0.900	0.879	2.3	79	-0.02	9.26
73	S	2,4,6-Tribromophenol	0.070	0.074	-5.7	85	-0.02	9.37
74	t	4-Bromophenyl-phenylether	0.186	0.171	8.1	81	-0.03	9.76
75	t	Hexachlorobenzene	0.196	0.172	12.2	80	-0.02	9.86
76	t	Pentachlorophenol	0.119	0.118	0.8	82	-0.02	10.16
77	t	Phenanthrene	1.128	1.005	10.9	77	-0.02	10.47
78	t	Anthracene	1.103	1.008	8.6	76	-0.02	10.55
79	t	Carbazole	1.224	1.162	5.1	87	-0.02	10.81
80	t	Di-n-butylphthalate	1.260	1.324	-5.1	83	-0.03	11.42
81	t	Fluoranthene	1.146	1.090	4.9	78	-0.02	12.34
82	t	Octadecane	0.637	0.731	-14.8	95	-0.03	10.35

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2653-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61844.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	81	-0.02	14.64
84	t	Pyrene	1.367	1.406	-2.9	79	-0.02	12.70
85	S	Terphenyl-d14	0.846	0.865	-2.2	80	-0.02	12.99
		----------	True	Calc.	% Drift	----------		
86	t	Butylbenzylphthalate	50.000	49.812	0.4	83	-0.03	13.81
		----------	AvgRF	CCRF	% Dev	----------		
87		Butyl stearate	0.444	0.568	-27.9#	86	-0.04	13.96
88	t	Benzo[a]anthracene	1.237	1.198	3.2	77	-0.02	14.62
89	t	3,3'-Dichlorobenzidine	0.434	0.414	4.6	71	-0.02	14.61
90	t	Chrysene	1.017	0.854	16.0	66	-0.01	14.68
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.925	-12.7	80	-0.03	14.77
92	I	Perylene-d12	1.000	1.000	0.0	69	-0.02	16.77
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	56.959	-13.9	82	-0.03	15.75
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.351	1.527	-13.0	73	-0.01	16.24
95	t	Benzo[k]fluoranthene	1.215	1.038	14.6	57	0.00	16.28
96	t	Benzo[a]pyrene	1.111	1.111	0.0	64	-0.01	16.69
97	t	Indeno[1,2,3-cd]pyrene	1.135	1.264	-11.4	69	0.00	18.49
98	t	Dibenz(a,h)acridine	1.095	1.058	3.4	67	-0.01	18.09
99	t	Dibenz[a,h]anthracene	1.092	0.983	10.0	59	-0.01	18.53
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	50.000	49.332	1.3	71	0.00	16.24
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.099	0.986	10.3	58	0.00	18.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Mon Jun 09 12:57:03 2014 MS3E

8.7.42

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** E3E2653-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2653\3E61845.D Vial: 3
Acq On : 9 Jun 2014 9:47 am Operator: saumilp
Sample : CC2647-50 Inst : MS3E
Misc : op74977,e3e2653 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	93	-0.02	4.96
103	Benzaldehyde	1.069	1.031	3.6	85	-0.02	4.61
104	Acenaphthene-d10a	1.000	1.000	0.0	95	-0.03	8.22
105	1,2,4,5-Tetrachlorobenzen	0.486	0.451	7.2	89	-0.02	7.09
106	Phenanthrene-d10a	1.000	1.000	0.0	96	-0.03	10.43
107	Atrazine	0.104	0.115	-10.6	98	-0.02	10.04
108 I	Chrysene-d12a	1.000	1.000	0.0	89	-0.02	14.63
109 T	benzidine	0.736	0.500	32.1#	55	-0.03	12.58
110 I	Naphthalene-d8a	1.000	1.000	0.0	94	-0.03	6.10
111 T	Hydroquinone	0.303	0.361	-19.1	100	-0.02	6.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Mon Jun 09 15:29:23 2014 MS3E

8.7.43

8

Initial Calibration Summary

Job Number: JB68318 **Sample:** EM4271-ICC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104367.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 09:22:04 2014
Response via : Initial Calibration

Calibration Files
2 =m104371.D 5 =m104370.D 100 =m104364.D 50 =m104367.D
1 =m104365.D 10 =m104369.D 80 =m104366.D 25 =m104368.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.806	0.756	0.691	0.641	0.670	0.745	0.710	0.648	0.709	8.09
3) Pyridine	1.870	1.974	1.807	1.673	1.470	1.950	1.860	1.720	1.790	9.26
4) N-Nitrosodim	0.697	0.697	0.595	0.623	0.613	0.626	0.618	0.627	0.637	6.01
5) 2-Fluorophen	1.435	1.485	1.376	1.438	1.359	1.407	1.407	1.463	1.421	2.98
6) Indene	3.087	3.192	2.543	2.460	2.165	2.963	2.695	2.572	2.710	12.82
7) Cumene	4.507	4.484	3.725	3.634	3.330	4.287	3.909	3.765	3.955	10.81
8) Phenol-d5	1.954	1.913	1.539	1.727	1.711	1.820	1.624	1.824	1.764	8.00
9) Phenol	2.217	2.266	1.845	2.020	1.876	2.184	1.938	2.155	2.063	7.95
10) Aniline	2.567	2.636	1.765	2.328	2.229	2.359	1.847	2.496	2.278	14.06
11) bis(2-Chloro	1.564	1.551	1.298	1.343	1.385	1.432	1.340	1.405	1.415	6.90
12) 2-Chlorophen	1.635	1.640	1.397	1.475	1.409	1.554	1.457	1.525	1.512	6.21
13) Decane	1.550	1.553	1.112	1.160	1.178	1.431	1.206	1.239	1.304	13.80
14) 1,3-Dichloro	1.721	1.716	1.460	1.575	1.407	1.616	1.531	1.655	1.585	7.23
15) 1,4-Dichloro	1.711	1.733	1.464	1.593	1.542	1.667	1.536	1.653	1.612	5.84
16) Benzyl alcoh	1.063	1.040	0.875	0.973	0.968	1.024	0.923	1.028	0.987	6.50
17) 1,2-Dichloro	1.669	1.649	1.345	1.484	1.451	1.582	1.400	1.522	1.513	7.63
18) Acetophenone	2.506	2.490	2.066	2.020	1.907	2.434	2.164	2.102	2.211	10.51
19) 2-Methylphen	1.508	1.537	1.194	1.299	1.355	1.449	1.255	1.369	1.371	8.83
20) 2,2'-oxybis(	0.539	0.519	0.383	0.420	0.443	0.466	0.411	0.440	0.453	11.78
21) 3&4-Methylph	1.512	1.483	1.334	1.431	1.208	1.528	1.394	1.480	1.421	7.56
22) n-Nitroso-di	1.174	1.187	0.846	0.997	1.032	1.108	0.919	1.076	1.042	11.44
23) Hexachloroet	0.590	0.625	0.514	0.557	0.483	0.573	0.539	0.575	0.557	7.99
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.435	0.457	0.392	0.426	0.424	0.447	0.415	0.435	0.429	4.63
26) Nitrobenzene	0.494	0.497	0.415	0.460	0.406	0.477	0.440	0.465	0.457	7.43
27) Quinoline	0.917	0.950	0.833	0.784	0.701	0.903	0.867	0.776	0.841	9.96
28) Isophorone	0.831	0.848	0.703	0.781	0.693	0.802	0.739	0.800	0.775	7.39
29) 2-Nitropheno	0.226	0.221	0.194	0.210	0.181	0.214	0.203	0.214	0.208	7.08
30) 2,4-Dimethyl	0.345	0.385	0.368	0.404	0.287	0.372	0.383	0.410	0.369	10.58
31) Benzoic acid	0.246	0.267	0.291	0.320	0.211	0.297	0.293	0.313	0.280	13.06
32) bis(2-Chloro	0.474	0.489	0.406	0.443	0.416	0.468	0.426	0.445	0.446	6.59
33) 2,4-Dichloro	0.307	0.320	0.289	0.312	0.281	0.322	0.303	0.317	0.306	4.81
34) 2,6-Dichloro	0.325	0.328	0.280	0.305	0.268	0.312	0.290	0.312	0.303	7.02
35) 1,3,5-Trichl	0.447	0.460	0.358	0.358	0.338	0.426	0.381	0.375	0.393	11.55
36) 1,2,4-Trichl	0.374	0.378	0.313	0.343	0.326	0.352	0.329	0.346	0.345	6.61
37) 1,2,3-Trichl	0.421	0.420	0.347	0.346	0.310	0.402	0.368	0.344	0.370	10.94
38) Naphthalene	1.226	1.235	1.050	1.127	1.059	1.186	1.096	1.151	1.141	6.23
39) 4-Chloroanil	0.517	0.522	0.420	0.498	0.430	0.496	0.447	0.502	0.479	8.44
40) 2,3-Dichloro	0.481	0.471	0.402	0.386	0.332	0.448	0.417	0.401	0.417	11.69
41) Caprolactam	0.188	0.188	0.171	0.159	0.147	0.183	0.176	0.162	0.172	8.64
42) Hexachlorobu	0.206	0.198	0.174	0.194	0.171	0.197	0.183	0.198	0.190	6.63
43) 4-Chloro-3-m	0.364	0.379	0.337	0.363	0.310	0.372	0.352	0.367	0.355	6.28
44) 2-Methylnaph	0.654	0.676	0.569	0.632	0.567	0.662	0.601	0.641	0.625	6.68
45) 1-Methylnaph	0.886	0.887	0.734	0.725	0.623	0.837	0.785	0.739	0.777	11.66

Initial Calibration Summary

Job Number: JB68318 **Sample:** EM4271-ICC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104367.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.788	0.815	0.683	0.659	0.598	0.776	0.716	0.681	0.715	10.33
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.272	0.326	0.361	0.351	0.216	0.335	0.367	0.343	0.321	16.07
49)	2,4,6-Trichl	0.399	0.430	0.367	0.392	0.346	0.410	0.377	0.395	0.390	6.67
50)	2,4,5-Trichl	0.458	0.454	0.410	0.413	0.375	0.428	0.421	0.417	0.422	6.22
51)	2-Fluorobiph	1.408	1.439	1.235	1.296	1.238	1.355	1.260	1.334	1.321	5.81
52)	2-Chloronaph	1.291	1.347	1.092	1.175	1.067	1.251	1.128	1.217	1.196	8.22
53)	Biphenyl	1.863	1.895	1.598	1.534	1.424	1.839	1.662	1.566	1.673	10.39
54)	2-Nitroanili	0.403	0.406	0.366	0.389	0.364	0.395	0.377	0.392	0.387	4.13
55)	Dimethylphth	1.396	1.425	1.237	1.278	1.211	1.344	1.264	1.304	1.307	5.78
56)	Acenaphthyle	2.048	2.084	1.802	1.905	1.683	2.014	1.860	1.941	1.917	7.01
57)	2,6-Dinitrot	0.288	0.336	0.298	0.317	0.268	0.324	0.306	0.318	0.307	7.05
58)	3-Nitroanili	0.342	0.374	0.335	0.361	0.321	0.356	0.350	0.367	0.351	4.97
59)	Acenaphthene	1.253	1.278	1.088	1.148	1.010	1.238	1.122	1.171	1.164	7.81
60)	2,4-Dinitrop		0.131	0.212	0.198		0.162	0.216	0.186	0.184	17.73
61)	4-Nitropheno	0.208	0.199	0.189	0.200	0.162	0.201	0.197	0.199	0.194	7.19
62)	Dibenzofuran	1.822	1.840	1.512	1.653	1.583	1.730	1.568	1.732	1.680	7.18
63)	2,4-Dinitrot	0.420	0.447	0.408	0.431	0.363	0.425	0.417	0.435	0.418	6.04
64)	2,3,4,6-Tetr	0.315	0.350	0.329	0.340	0.286	0.339	0.340	0.341	0.330	6.28
65)	Diethylphtha	1.363	1.409	1.208	1.274	1.182	1.324	1.241	1.294	1.287	5.99
66)	Fluorene	1.448	1.457	1.265	1.352	1.263	1.430	1.307	1.383	1.363	5.80
67)	4-Chlorophen	0.706	0.731	0.599	0.632	0.592	0.691	0.624	0.647	0.653	7.83
68)	4-Nitroanili	0.342	0.355	0.338	0.360	0.292	0.352	0.343	0.353	0.342	6.27
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-	0.105	0.125	0.171	0.163		0.144	0.171	0.158	0.148	17.12
71)	n-Nitrosodip	0.548	0.572	0.533	0.543	0.502	0.569	0.540	0.558	0.546	4.12
72)	1,2-Diphenyl	0.916	0.955	0.832	0.894	0.803	0.923	0.866	0.919	0.888	5.77
73)	2,4,6-Tribro	0.099	0.099	0.095	0.103	0.091	0.099	0.099	0.100	0.098	3.64
74)	4-Bromopheny	0.220	0.222	0.204	0.211	0.176	0.221	0.210	0.213	0.210	7.12
75)	Hexachlorobe	0.229	0.234	0.207	0.218	0.194	0.225	0.215	0.222	0.218	5.90
76)	Pentachlorop	0.113	0.129	0.144	0.143	0.097	0.134	0.145	0.136	0.130	13.05
77)	Phenanthrene	1.225	1.252	1.114	1.151	1.094	1.195	1.142	1.182	1.169	4.64
78)	Anthracene	1.221	1.259	1.142	1.205	1.100	1.215	1.176	1.231	1.194	4.34
79)	Carbazole	1.301	1.335	1.224	1.124	1.005	1.299	1.250	1.137	1.210	9.29
80)	Di-n-butylph	1.279	1.341	1.260	1.287	1.114	1.329	1.306	1.311	1.278	5.60
81)	Fluoranthene	1.359	1.357	1.249	1.292	1.217	1.318	1.289	1.320	1.300	3.81
82)	Octadecane	0.561	0.570	0.451	0.459	0.440	0.530	0.483	0.474	0.496	10.24
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.417	1.438	1.323	1.370	1.297	1.385	1.347	1.405	1.373	3.50
85)	Butyl steara	0.322	0.322	0.294	0.341	0.272	0.331	0.309	0.348	0.317	7.85
86)	Terphenyl-d1	0.868	0.866	0.828	0.868	0.782	0.850	0.843	0.869	0.847	3.56
87)	Butylbenzylp	0.558	0.586	0.566	0.590	0.509	0.583	0.579	0.595	0.571	4.88
88)	Benzo[a]anth	1.290	1.255	1.174	1.224	1.263	1.220	1.202	1.235	1.233	2.97
89)	3,3'-Dichlor	0.436	0.457	0.429	0.455	0.389	0.439	0.442	0.459	0.438	5.20
90)	Chrysene	1.196	1.205	1.102	1.145	1.058	1.139	1.123	1.150	1.140	4.20
91)	bis(2-Ethylh	0.787	0.839	0.801	0.831	0.756	0.816	0.817	0.826	0.809	3.34
92)	I Perylene-d12	ISTD									
93)	Di-n-octylph	1.549	1.624	1.572	1.556	1.418	1.607	1.624	1.544	1.562	4.26
94)	Benzo[b]fluo	1.368	1.451	1.358	1.336	1.267	1.407	1.426	1.342	1.369	4.27
95)	Benzo[k]fluo	1.418	1.374	1.212	1.244	1.229	1.328	1.243	1.267	1.289	5.82
96)	Benzo[a]pyre	1.263	1.257	1.147	1.193	1.202	1.239	1.201	1.198	1.212	3.16
97)	Indeno[1,2,3	1.237	1.246	1.127	1.170	1.162	1.198	1.176	1.158	1.184	3.44
98)	Dibenz(a,h)a	1.171	1.185	1.061	1.003	0.877	1.165	1.119	0.999	1.073	10.06
99)	Dibenz[a,h]a	1.149	1.141	1.043	1.120	1.162	1.165	1.093	1.119	1.124	3.62
100)	7,12-Dimethy	0.385	0.479	0.712	0.644		0.536	0.731	0.644	0.590	21.64
	----- Quadratic regression -----									Coefficient =	0.9983

8.7.44

8

Initial Calibration Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4271-ICC4271
Lab FileID: M104367.D

```
                Response Ratio = -0.02342 + 0.65389 *A + 0.03094 *A^2

101) Benzo[g,h,i] 1.260 1.269 1.071 1.153 1.225 1.245 1.120 1.154 1.187   6.14
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MM4271.M          Wed May 14 09:24:07 2014   MSM
```

8.7.44

8

Initial Calibration Summary

Job Number: JB68318 **Sample:** EM4272-ICC4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104375.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 12:36:03 2014
Response via : Initial Calibration

Calibration Files
2 =m104379.D 5 =m104378.D 100 =m104373.D 50 =m104375.D
1 =m104380.D 10 =m104377.D 80 =m104374.D 25 =m104376.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.207	1.175	1.105	1.160	1.145	1.202	1.135	1.197	1.166	3.10
104) I Acenaphthene-d10a	ISTD									
105) 1,2,4,5-Tetr	0.657	0.626	0.623	0.628	0.597	0.621	0.640	0.630	0.628	2.70
106) Atrazine	0.198	0.212	0.219	0.218	0.205	0.202	0.225	0.221	0.213	4.76
107) I Chrysene-d12a	ISTD									
108) Benzidine	0.681	0.821	0.687	0.860	0.626	0.861	0.792	0.896	0.778	12.89
109) 1-chloroocta	0.285	0.338	0.310	0.321	0.311	0.321	0.321	0.329	0.317	5.00
110) I Phenanthrene-d10a	ISTD									
111) o-terphenyl	0.588	0.629	0.595	0.599	0.598	0.612	0.600	0.624	0.606	2.41
112) I Naphthalene-d8a	ISTD									
113) hydroquinone	0.251	0.355	0.428	0.429	0.316	0.380	0.435	0.436	0.379	17.88

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

MM4271.M Wed May 14 12:42:29 2014 MSM

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104381.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104381.D Vial: 10
Acq On : 14 May 2014 12:29 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 13:34:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	154	0.00	4.58
9	t	Phenol	2.063	1.825	11.5	139	0.00	4.34
12	t	2-Chlorophenol	1.512	1.364	9.8	142	0.00	4.43
19	t	2-Methylphenol	1.371	1.268	7.5	150	0.00	4.79
21	t	3&4-Methylphenol	1.421	1.307	8.0	140	0.00	4.91
24	I	Naphthalene-d8	1.000	1.000	0.0	160	0.00	5.68
29	t	2-Nitrophenol	0.208	0.184	11.5	140	0.00	5.31
30	t	2,4-Dimethylphenol	0.369	0.359	2.7	142	0.00	5.36
31	t	Benzoic acid	0.280	0.263	6.1	131	0.00	5.50
33	t	2,4-Dichlorophenol	0.306	0.274	10.5	141	0.00	5.55
34	t	2,6-Dichlorophenol	0.303	0.273	9.9	143	0.00	5.77
43	t	4-Chloro-3-methylphenol	0.355	0.313	11.8	138	-0.01	6.32
47	I	Acenaphthene-d10	1.000	1.000	0.0	165	0.00	7.97
49	t	2,4,6-Trichlorophenol	0.390	0.331	15.1	139	0.00	6.87
50	t	2,4,5-Trichlorophenol	0.422	0.348	17.5	139	-0.01	6.92
60	t	2,4-Dinitrophenol	0.184	0.136	26.1	114	-0.01	8.11
61	t	4-Nitrophenol	0.194	0.156	19.6	129	-0.01	8.28
64	t	2,3,4,6-Tetrachlorophenol	0.330	0.279	15.5	135	0.00	8.55
69	I	Phenanthrene-d10	1.000	1.000	0.0	170	0.00	10.57
70	t	4,6-Dinitro-2-methylpheno	0.148	0.124	16.2	130	-0.01	9.03
76	t	Pentachlorophenol	0.130	0.114	12.3	136	0.00	10.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 13:40:19 2014 MSM

8.7.46

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104382A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\em4272\m104382a.D          Vial: 11
  Acq On    : 14 May 2014  12:57 pm                    Operator: saumilp
  Sample    : ICV4272-50                               Inst    : Instrument #1
  Misc      : op73826,em4272                           Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
  Title        : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
  Last Update  : Wed May 14 14:07:27 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
104 I	Acenaphthene-d10a	1.000	1.000	0.0	140	0.00	7.98
105 I	1,2,4,5-Tetrachlorobenzen	0.628	0.530	15.6	119	0.00	6.71

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     m104375.D  MM4271.M         Wed May 14 14:09:23 2014   MSM
```

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104382.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104382.D Vial: 11
Acq On : 14 May 2014 12:57 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 13:34:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	135	0.00	4.58
3	t	Pyridine	1.790	1.407	21.4	113	0.01	2.45
4	t	N-Nitrosodimethylamine	0.637	0.596	6.4	129	0.01	2.41
11	t	bis(2-Chloroethyl)ether	1.415	1.329	6.1	133	0.00	4.38
14	t	1,3-Dichlorobenzene	1.585	1.399	11.7	119	0.00	4.54
15	t	1,4-Dichlorobenzene	1.612	1.423	11.7	120	0.00	4.59
16	t	Benzyl alcohol	0.987	0.870	11.9	120	0.00	4.69
17	t	1,2-Dichlorobenzene	1.513	1.351	10.7	123	0.00	4.71
20	t	2,2'-oxybis(1-Chloropropa	0.453	0.421	7.1	135	0.00	4.79
22	t	n-Nitroso-di-n-propylamin	1.042	0.984	5.6	133	0.00	4.89
23	t	Hexachloroethane	0.557	0.508	8.8	123	0.00	4.98
24	I	Naphthalene-d8	1.000	1.000	0.0	133	0.00	5.68
26	t	Nitrobenzene	0.457	0.409	10.5	118	0.00	5.04
28	t	Isophorone	0.775	0.684	11.7	116	0.00	5.24
32	t	bis(2-Chloroethoxy)methan	0.446	0.431	3.4	129	0.00	5.44
36	t	1,2,4-Trichlorobenzene	0.345	0.307	11.0	119	0.00	5.62
38	t	Naphthalene	1.141	1.031	9.6	121	0.00	5.70
42	t	Hexachlorobutadiene	0.190	0.174	8.4	119	0.00	5.84
44	t	2-Methylnaphthalene	0.625	0.539	13.8	113	0.00	6.49
47	I	Acenaphthene-d10	1.000	1.000	0.0	131	0.00	7.98
48	t	Hexachlorocyclopentadiene	0.321	0.264	17.8	98	0.00	6.70
52	t	2-Chloronaphthalene	1.196	1.060	11.4	118	0.00	7.14
54	t	2-Nitroaniline	0.387	0.336	13.2	113	0.00	7.30
55	t	Dimethylphthalate	1.307	1.168	10.6	120	0.00	7.60
56	t	Acenaphthylene	1.917	1.469	23.4	101	0.00	7.75
57	t	2,6-Dinitrotoluene	0.307	0.265	13.7	109	0.00	7.68
58	t	3-Nitroaniline	0.351	0.266	24.2	96	0.00	7.94
59	t	Acenaphthene	1.164	1.067	8.3	122	0.00	8.03
62	t	Dibenzofuran	1.680	1.465	12.8	116	0.00	8.31
63	t	2,4-Dinitrotoluene	0.418	0.351	16.0	107	0.00	8.33
65	t	Diethylphthalate	1.287	1.139	11.5	117	0.00	8.78
66	t	Fluorene	1.363	1.232	9.6	119	0.00	8.89
67	t	4-Chlorophenyl-phenylethe	0.653	0.599	8.3	124	0.00	8.92
68	t	4-Nitroaniline	0.342	0.292	14.6	106	0.00	8.96
69	I	Phenanthrene-d10	1.000	1.000	0.0	131	0.00	10.57
71	t	n-Nitrosodiphenylamine	0.546	0.511	6.4	123	0.00	9.14
72	t	1,2-Diphenylhydrazine	0.888	0.795	10.5	116	0.00	9.20
74	t	4-Bromophenyl-phenylether	0.210	0.196	6.7	122	0.00	9.79
75	t	Hexachlorobenzene	0.218	0.188	13.8	113	0.00	9.88

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104382.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.169	1.014	13.3	115	0.00	10.61
78	t	Anthracene	1.194	1.036	13.2	112	0.00	10.71
79	t	Carbazole	1.210	0.931	23.1	108	0.00	11.06
80	t	Di-n-butylphthalate	1.278	1.152	9.9	117	0.00	11.86
81	t	Fluoranthene	1.300	1.123	13.6	114	0.00	12.89
83	I	Chrysene-d12	1.000	1.000	0.0	117	0.00	15.72
84	t	Pyrene	1.373	1.317	4.1	112	0.00	13.32
87	t	Butylbenzylphthalate	0.571	0.564	1.2	112	0.00	14.79
88	t	Benzo[a]anthracene	1.233	1.127	8.6	108	0.00	15.70
90	t	Chrysene	1.140	1.124	1.4	115	0.00	15.77
91	t	bis(2-Ethylhexyl)phthalat	0.809	0.783	3.2	110	0.00	16.02
92	I	Perylene-d12	1.000	1.000	0.0	111	0.00	18.33
93	t	Di-n-octylphthalate	1.562	1.530	2.0	109	0.00	17.24
94	t	Benzo[b]fluoranthene	1.369	1.250	8.7	104	0.00	17.69
95	t	Benzo[k]fluoranthene	1.289	1.223	5.1	110	-0.01	17.74
96	t	Benzo[a]pyrene	1.212	1.151	5.0	107	0.00	18.23
97	t	Indeno[1,2,3-cd]pyrene	1.184	1.056	10.8	100	-0.01	20.00
99	t	Dibenz[a,h]anthracene	1.124	1.046	6.9	104	0.00	20.05
101	t	Benzo[g,h,i]perylene	1.187	1.119	5.7	108	-0.01	20.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 13:40:21 2014 MSM

8.7.48

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104383A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104383a.D Vial: 12
Acq On : 14 May 2014 1:26 pm Operator: saumilp
Sample : ICV4272-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	180	0.00	4.58
103	t	Benzaldehyde	1.166	1.291	-10.7	200	0.00	4.25
104	I	Acenaphthene-d10a	1.000	1.000	0.0	181	0.00	7.98
106	t	Atrazine	0.213	0.206	3.3	171	0.03	10.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:21:14 2014 MSM

8.7.49

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104383.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104383.D Vial: 12
Acq On : 14 May 2014 1:26 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	174	0.00	4.58
2	t	1,4-Dioxane	0.709	0.581	18.1	157	0.01	2.11
6	t	Indene	2.710	2.608	3.8	184	0.00	4.78
7	t	Cumene	3.955	3.590	9.2	172	0.00	3.98
13	t	Decane	1.304	1.103	15.4	165	0.00	4.47
18	t	Acetophenone	2.211	2.098	5.1	180	0.00	4.89
24	I	Naphthalene-d8	1.000	1.000	0.0	172	0.00	5.68
27	t	Quinoline	0.841	0.782	7.0	172	0.00	6.06
40	t	2,3-Dichloroaniline	0.417	0.359	13.9	160	0.00	6.86
41	t	Caprolactam	0.172	0.151	12.2	164	-0.03	6.13
45	t	1-Methylnaphthalene	0.777	0.712	8.4	169	0.00	6.62
46	t	Dimethylnaphthalene	0.715	0.661	7.6	173	0.00	7.34
47	I	Acenaphthene-d10	1.000	1.000	0.0	169	0.00	7.98
53	t	Biphenyl	1.673	1.566	6.4	173	0.00	7.12
69	I	Phenanthrene-d10	1.000	1.000	0.0	163	0.00	10.57
82	t	Octadecane	0.496	0.467	5.8	165	0.00	10.58
83	I	Chrysene-d12	1.000	1.000	0.0	150	-0.01	15.71
92	I	Perylene-d12	1.000	1.000	0.0	121	0.00	18.33

			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	24.971	50.1#	59	-0.02	17.69

			AvgRF	CCRF	% Dev			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:21:12 2014 MSM

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104384.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104384.D Vial: 13
Acq On : 14 May 2014 1:54 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00	4.58
5	S	2-Fluorophenol	1.421	1.458	-2.6	133	0.00	3.61
8	S	Phenol-d5	1.764	1.739	1.4	133	0.00	4.32
24	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00	5.68
25	S	Nitrobenzene-d5	0.429	0.457	-6.5	137	0.00	5.01
47	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00	7.97
51	S	2-Fluorobiphenyl	1.321	1.397	-5.8	128	0.00	6.98
69	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00	10.56
73	S	2,4,6-Tribromophenol	0.098	0.101	-3.1	114	0.00	9.31
83	I	Chrysene-d12	1.000	1.000	0.0	109	-0.02	15.71
86	S	Terphenyl-d14	0.847	0.917	-8.3	115	0.00	13.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:25:03 2014 MSM

8.7.51

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104385.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104385.D Vial: 14
Acq On : 14 May 2014 2:23 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	137	0.00	4.58
10	t	Aniline	2.278	2.435	-6.9	143	0.00	4.34
24	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00	5.68
39	t	4-Chloroaniline	0.479	0.486	-1.5	136	0.00	5.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:48:21 2014 MSM

8.7.52

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104386.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\em4272\m104386.D          Vial: 15
  Acq On    : 14 May 2014   2:52 pm                   Operator: saumilp
  Sample    : ICV4272-50                              Inst    : Instrument #1
  Misc      : op73826,em4272                          Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
  Title        : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
  Last Update  : Wed May 14 14:13:07 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	116	0.00	5.68
113	hydroquinone	0.379	0.478	26.1	129	-0.01	6.16

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     m104367.D  MM4271.M         Wed May 14 16:14:38 2014   MSM
```

8.7.53

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104387.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104387.D Vial: 16
Acq On : 14 May 2014 3:20 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	197	0.00	15.72
89 t	3,3'-Dichlorobenzidine	0.438	0.416	5.0	180	0.00	15.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 16:14:40 2014 MSM

8.7.54

8

Initial Calibration Verification

Job Number: JB68318 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104387A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104387a.D Vial: 16
Acq On : 14 May 2014 3:20 pm Operator: saumilp
Sample : ICV4272-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107 I	Chrysene-d12a	1.000	1.000	0.0	201#	0.00	15.72
108 t	Benzidine	0.778	0.804	-3.3	187	0.00	13.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 16:14:42 2014 MSM

8.7.55

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** EM4298-CC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104948.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4298\m104948.D Vial: 2
Acq On : 9 Jun 2014 9:17 am Operator: saumilp
Sample : CC4271-50 Inst : Instrument #1
Misc : op73826,em4298 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Mon Jun 09 12:28:18 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	4.52
2	t	1,4-Dioxane	0.709	0.516	27.2#	82	0.00	2.05
3	t	Pyridine	1.790	1.249	30.2#	76	0.00	2.40
4	t	N-Nitrosodimethylamine	0.637	1.080	-69.5#	176	0.00	2.37
5	S	2-Fluorophenol	1.421	1.216	14.4	86	0.00	3.61
6	t	Indene	2.710	2.509	7.4	103	0.00	4.72
7	t	Cumene	3.955	3.838	3.0	107	0.00	3.92
8	S	Phenol-d5	1.764	1.718	2.6	101	0.00	4.33
9	t	Phenol	2.063	1.982	3.9	99	0.00	4.34
10	t	Aniline	2.278	1.747	23.3#	76	0.00	4.30
11	t	bis(2-Chloroethyl)ether	1.415	1.505	-6.4	114	0.00	4.34
12	t	2-Chlorophenol	1.512	1.571	-3.9	108	0.00	4.39
13	t	Decane	1.304	1.586	-21.6#	139	0.00	4.39
14	t	1,3-Dichlorobenzene	1.585	1.536	3.1	99	0.00	4.48
15	t	1,4-Dichlorobenzene	1.612	1.593	1.2	101	0.00	4.53
16	t	Benzyl alcohol	0.987	1.022	-3.5	107	0.00	4.66
17	t	1,2-Dichlorobenzene	1.513	1.591	-5.2	109	0.00	4.66
18	t	Acetophenone	2.211	2.411	-9.0	121	0.00	4.84
19	t	2-Methylphenol	1.371	1.266	7.7	99	0.00	4.77
20	t	2,2'-oxybis(1-Chloropropa	0.453	0.466	-2.9	112	0.00	4.73
21	t	3&4-Methylphenol	1.421	1.385	2.5	98	0.00	4.90
22	t	n-Nitroso-di-n-propylamin	1.042	1.364	-30.9#	139	0.00	4.85
23	t	Hexachloroethane	0.557	0.638	-14.5	116	0.00	4.91
24	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00	5.61
25	S	Nitrobenzene-d5	0.429	0.534	-24.5#	132	0.00	4.97
26	t	Nitrobenzene	0.457	0.598	-30.9#	137	0.00	4.99
27	t	Quinoline	0.841	0.757	10.0	102	0.00	6.01
28	t	Isophorone	0.775	0.889	-14.7	120	0.00	5.19
29	t	2-Nitrophenol	0.208	0.215	-3.4	108	0.00	5.26
30	t	2,4-Dimethylphenol	0.369	0.457	-23.8#	119	0.00	5.33
31	t	Benzoic acid	0.280	0.330	-17.9	109	0.00	5.51
32	t	bis(2-Chloroethoxy)methan	0.446	0.430	3.6	102	0.00	5.38
33	t	2,4-Dichlorophenol	0.306	0.314	-2.6	106	0.00	5.52
34	t	2,6-Dichlorophenol	0.303	0.324	-6.9	112	0.00	5.72
35	t	1,3,5-Trichlorobenzene	0.393	0.405	-3.1	119	0.00	5.25
36	t	1,2,4-Trichlorobenzene	0.345	0.368	-6.7	113	0.00	5.55
37	t	1,2,3-Trichlorobenzene	0.370	0.366	1.1	112	0.00	5.78
38	t	Naphthalene	1.141	1.144	-0.3	107	0.00	5.63
39	t	4-Chloroaniline	0.479	0.446	6.9	94	0.00	5.72
40	t	2,3-Dichloroaniline	0.417	0.412	1.2	112	0.00	6.79
41	t	Caprolactam	0.172	0.191	-11.0	127	0.00	6.14

Continuing Calibration Summary

Job Number: JB68318 **Sample:** EM4298-CC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104948.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.190	0.250	-31.6#	136	0.00	5.76
43	t	4-Chloro-3-methylphenol	0.355	0.434	-22.3#	126	0.00	6.32
44	t	2-Methylnaphthalene	0.625	0.663	-6.1	110	0.00	6.40
45	t	1-Methylnaphthalene	0.777	0.758	2.4	110	0.00	6.53
46	t	Dimethylnaphthalene	0.715	0.773	-8.1	124	0.00	7.24
47	I	Acenaphthene-d10	1.000	1.000	0.0	117	0.00	7.87
48	t	Hexachlorocyclopentadiene	0.321	0.410	-27.7#	137	0.00	6.60
49	t	2,4,6-Trichlorophenol	0.390	0.407	-4.4	122	0.00	6.81
50	t	2,4,5-Trichlorophenol	0.422	0.452	-7.1	128	0.00	6.89
51	S	2-Fluorobiphenyl	1.321	1.345	-1.8	122	0.00	6.89
52	t	2-Chloronaphthalene	1.196	1.196	0.0	120	0.00	7.04
53	t	Biphenyl	1.673	1.535	8.2	117	0.00	7.02
54	t	2-Nitroaniline	0.387	0.578	-49.4#	174	0.00	7.25
55	t	Dimethylphthalate	1.307	1.409	-7.8	129	0.00	7.51
56	t	Acenaphthylene	1.917	1.865	2.7	115	0.00	7.65
57	t	2,6-Dinitrotoluene	0.307	0.327	-6.5	121	0.00	7.60
58	t	3-Nitroaniline	0.351	0.324	7.7	105	0.00	7.89
59	t	Acenaphthene	1.164	1.159	0.4	118	0.00	7.92
60	t	2,4-Dinitrophenol	0.184	0.198	-7.6	118	0.00	8.06
61	t	4-Nitrophenol	0.194	0.360	-85.6#	212#	0.00	8.35
62	t	Dibenzofuran	1.680	1.725	-2.7	122	0.00	8.20
63	t	2,4-Dinitrotoluene	0.418	0.465	-11.2	127	0.00	8.26
64	t	2,3,4,6-Tetrachlorophenol	0.330	0.373	-13.0	129	0.00	8.47
65	t	Diethylphthalate	1.287	1.551	-20.5#	143	0.00	8.67
66	t	Fluorene	1.363	1.424	-4.5	124	0.00	8.78
67	t	4-Chlorophenyl-phenylethe	0.653	0.728	-11.5	135	0.00	8.80
68	t	4-Nitroaniline	0.342	0.339	0.9	111	0.00	8.95
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	0.00	10.45
70	t	4,6-Dinitro-2-methylpheno	0.148	0.163	-10.1	129	0.00	8.97
71	t	n-Nitrosodiphenylamine	0.546	0.522	4.4	124	0.00	9.04
72	t	1,2-Diphenylhydrazine	0.888	1.097	-23.5#	158	0.00	9.08
73	S	2,4,6-Tribromophenol	0.098	0.105	-7.1	132	0.00	9.22
74	t	4-Bromophenyl-phenylether	0.210	0.220	-4.8	134	0.00	9.66
75	t	Hexachlorobenzene	0.218	0.235	-7.8	139	0.00	9.76
76	t	Pentachlorophenol	0.130	0.147	-13.1	132	0.00	10.19
77	t	Phenanthrene	1.169	1.124	3.8	126	0.00	10.50
78	t	Anthracene	1.194	1.134	5.0	121	0.00	10.59
79	t	Carbazole	1.210	1.062	12.2	121	0.00	10.98
80	t	Di-n-butylphthalate	1.278	1.425	-11.5	142	0.00	11.72
81	t	Fluoranthene	1.300	1.292	0.6	129	0.00	12.77
82	t	Octadecane	0.496	0.536	-8.1	150	0.00	10.40
83	I	Chrysene-d12	1.000	1.000	0.0	119	0.00	15.59
84	t	Pyrene	1.373	1.460	-6.3	127	0.00	13.19
85		Butyl stearate	0.317	0.389	-22.7#	136	0.00	14.84
86	S	Terphenyl-d14	0.847	0.893	-5.4	123	0.00	13.59
87	t	Butylbenzylphthalate	0.571	0.656	-14.9	133	0.00	14.64
88	t	Benzo[a]anthracene	1.233	1.202	2.5	117	0.00	15.57
89	t	3,3'-Dichlorobenzidine	0.438	0.442	-0.9	116	0.00	15.62
90	t	Chrysene	1.140	1.130	0.9	118	0.00	15.65
91	t	bis(2-Ethylhexyl)phthalat	0.809	0.905	-11.9	130	0.00	15.82
92	I	Perylene-d12	1.000	1.000	0.0	101	0.00	18.20
93	t	Di-n-octylphthalate	1.562	1.938	-24.1#	126	0.00	17.04
94	t	Benzo[b]fluoranthene	1.369	1.487	-8.6	112	0.00	17.57
95	t	Benzo[k]fluoranthene	1.289	1.331	-3.3	108	0.00	17.62
96	t	Benzo[a]pyrene	1.212	1.224	-1.0	104	0.00	18.11
97	t	Indeno[1,2,3-cd]pyrene	1.184	1.304	-10.1	113	0.00	19.87

8.7.56

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** EM4298-CC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104948.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	1.073	0.996	7.2	100	0.00	19.53
99	t	Dibenz[a,h]anthracene	1.124	1.140	-1.4	103	0.00	19.90
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	51.657	-3.3	109	0.00	17.56
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.187	1.119	5.7	98	0.00	20.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104948.D MM4271.M Mon Jun 09 12:31:35 2014 MSM

8.7.56

8

Continuing Calibration Summary

Job Number: JB68318 **Sample:** EM4298-CC4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104949.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4298\m104949.D Vial: 3
Acq On : 9 Jun 2014 9:47 am Operator: saumilp
Sample : CC4272-50 Inst : Instrument #1
Misc : op73826,em4298 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271EPH.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Mon Jun 09 12:33:03 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	75	0.00	4.52
103	t	Benzaldehyde	1.166	1.058	9.3	68	0.00	4.21
104	I	Acenaphthene-d10a	1.000	1.000	0.0	94	0.00	7.86
105	I	1,2,4,5-Tetrachlorobenzen	0.628	0.606	3.5	91	0.00	6.61
106	t	Atrazine	0.213	0.226	-6.1	97	0.00	10.08
107	I	Chrysene-d12a	1.000	1.000	0.0	87	0.00	15.58
108	t	Benzidine	0.778	0.484	37.8#	49#	0.00	13.14
109	s	1-chlorooctadecane	0.317	0.388	-22.4#	106	0.00	12.71
110	I	Phenanthrene-d10a	1.000	1.000	0.0	95	0.00	10.44
111	s	o-terphenyl	0.606	0.641	-5.8	101	0.00	11.24
112	I	Naphthalene-d8a	1.000	1.000	0.0	79	0.00	5.61
113		hydroquinone	0.379	0.406	-7.1	75	0.00	6.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104949.D MM4271EPH.M Mon Jun 09 12:36:30 2014 MSM

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64409.D
Acq On : 14 Jun 2014 5:33 am
Operator : andrews1
Sample : jb68318-1
Misc : op75376,E2M2732,30.4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 15 10:57:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

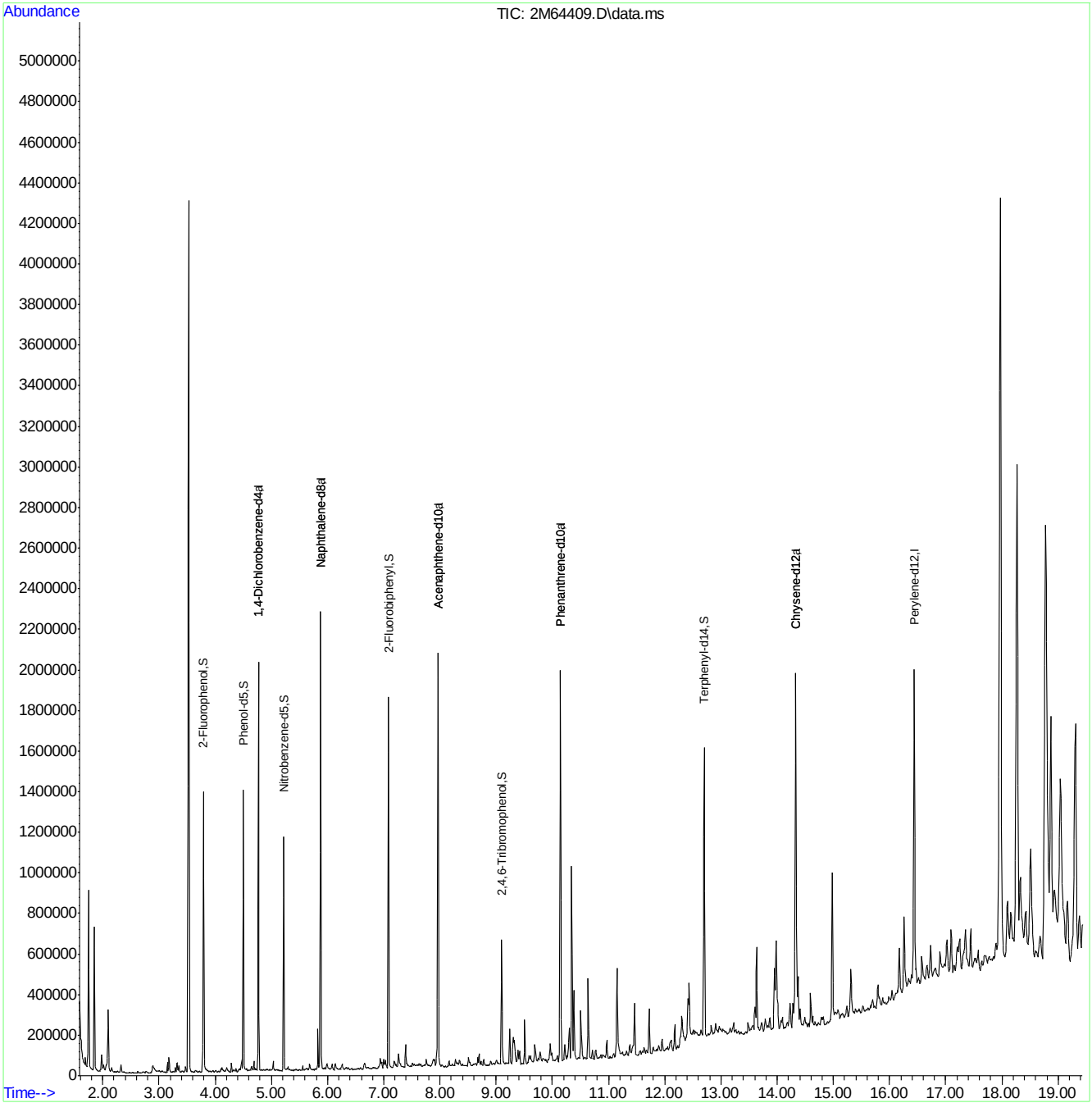
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	250306	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	989666	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	553505	40.00	ppb	0.00
69) Phenanthrene-d10	10.145	188	822771	40.00	ppb	0.01
83) Chrysene-d12	14.327	240	708953	40.00	ppb	0.01
92) Perylene-d12	16.440	264	656157	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	4.769	152	250306	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	553505	40.00	ppb	0.00
106) Chrysene-d12a	14.327	240	708953	40.00	ppb	0.01
108) Phenanthrene-d10a	10.145	188	822771	40.00	ppb	0.01
110) Naphthalene-d8a	5.876	136	989666	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.790	112	331742	33.81	ppb	0.02
Spiked Amount 50.000			Recovery = 67.62%			
8) Phenol-d5	4.502	99	421720	33.10	ppb	0.01
Spiked Amount 50.000			Recovery = 66.20%			
25) Nitrobenzene-d5	5.219	82	340024	32.52	ppb	0.00
Spiked Amount 50.000			Recovery = 65.04%			
51) 2-Fluorobiphenyl	7.085	172	597795	31.97	ppb	0.00
Spiked Amount 50.000			Recovery = 63.94%			
73) 2,4,6-Tribromophenol	9.102	330	68183	38.34	ppb	0.01
Spiked Amount 50.000			Recovery = 76.68%			
85) Terphenyl-d14	12.701	244	569317	37.18	ppb	0.01
Spiked Amount 50.000			Recovery = 74.36%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64409.D
Acq On : 14 Jun 2014 5:33 am
Operator : andrews1
Sample : jb68318-1
Misc : op75376,E2M2732,30.4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 15 10:57:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64410.D
Acq On : 14 Jun 2014 5:59 am
Operator : andrews1
Sample : jb68318-2
Misc : op75376,E2M2732,32.8
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 15 10:58:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	234661	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	934721	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	520328	40.00	ppb	0.00
69) Phenanthrene-d10	10.145	188	776135	40.00	ppb	0.01
83) Chrysene-d12	14.327	240	673238	40.00	ppb	0.01
92) Perylene-d12	16.440	264	626374	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	4.769	152	234661	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	520328	40.00	ppb	0.00
106) Chrysene-d12a	14.327	240	673238	40.00	ppb	0.01
108) Phenanthrene-d10a	10.145	188	776135	40.00	ppb	0.01
110) Naphthalene-d8a	5.876	136	934721	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.790	112	336487	36.58	ppb	0.02
Spiked Amount 50.000			Recovery = 73.16%			
8) Phenol-d5	4.502	99	433150	36.27	ppb	0.01
Spiked Amount 50.000			Recovery = 72.54%			
25) Nitrobenzene-d5	5.218	82	350354	35.48	ppb	0.00
Spiked Amount 50.000			Recovery = 70.96%			
51) 2-Fluorobiphenyl	7.085	172	625441	35.59	ppb	0.00
Spiked Amount 50.000			Recovery = 71.18%			
73) 2,4,6-Tribromophenol	9.102	330	67248	40.08	ppb	0.01
Spiked Amount 50.000			Recovery = 80.16%			
85) Terphenyl-d14	12.701	244	554121	38.10	ppb	0.01
Spiked Amount 50.000			Recovery = 76.20%			

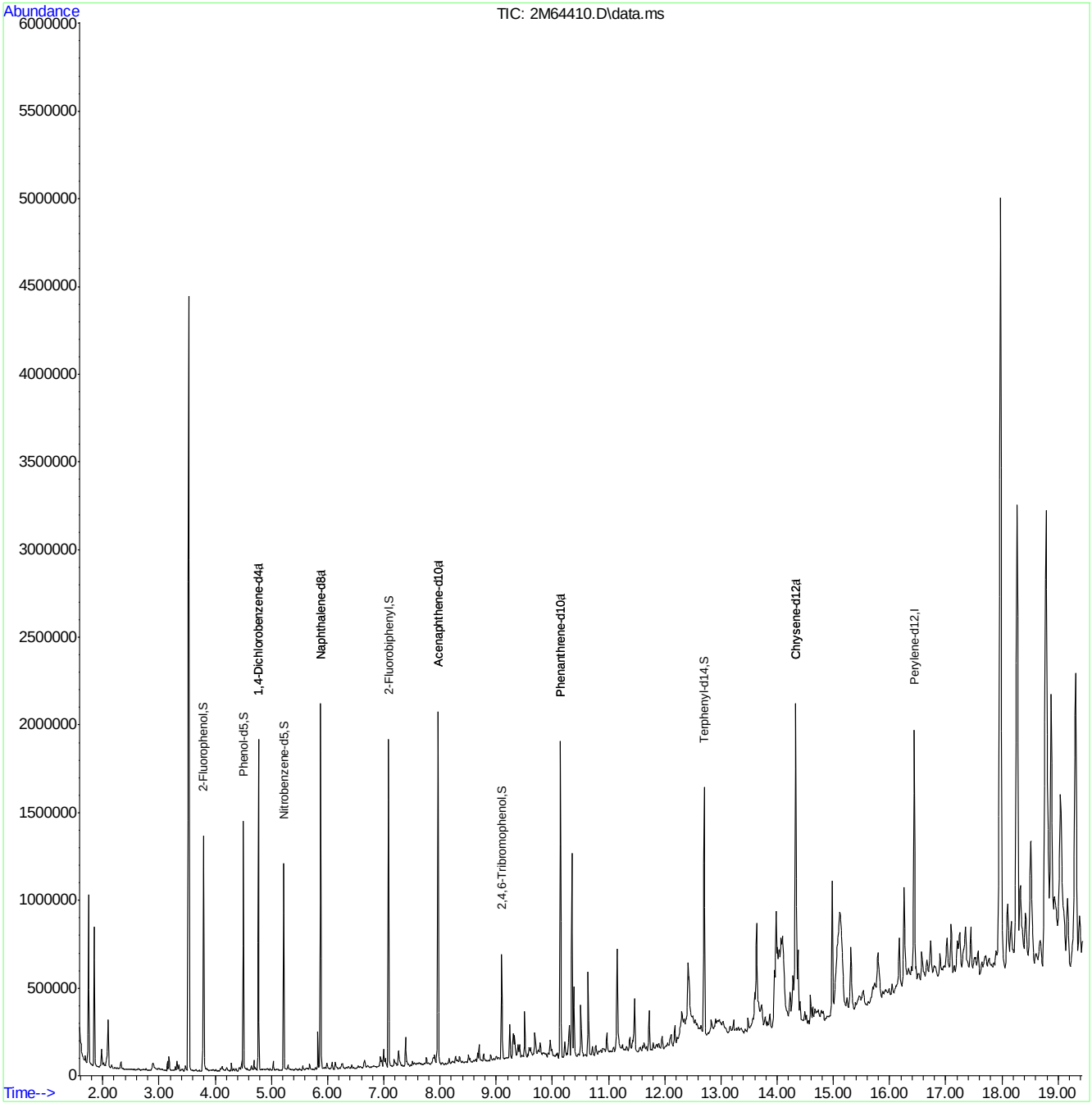
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64410.D
Acq On : 14 Jun 2014 5:59 am
Operator : andrews1
Sample : jb68318-2
Misc : op75376,E2M2732,32.8
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 15 10:58:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64411.D
Acq On : 14 Jun 2014 6:25 am
Operator : andrews1
Sample : jb68318-3
Misc : op75376,E2M2732,32.6
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 15 10:59:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	240662	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	950558	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	524101	40.00	ppb	0.00
69) Phenanthrene-d10	10.145	188	792460	40.00	ppb	0.01
83) Chrysene-d12	14.327	240	701427	40.00	ppb	0.01
92) Perylene-d12	16.445	264	641876	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	4.769	152	240662	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	524101	40.00	ppb	0.00
106) Chrysene-d12a	14.327	240	701427	40.00	ppb	0.01
108) Phenanthrene-d10a	10.145	188	792460	40.00	ppb	0.01
110) Naphthalene-d8a	5.876	136	950558	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.796	112	304120	32.24	ppb	0.02
Spiked Amount 50.000			Recovery = 64.48%			
8) Phenol-d5	4.502	99	384266	31.37	ppb	0.01
Spiked Amount 50.000			Recovery = 62.74%			
25) Nitrobenzene-d5	5.218	82	313746	31.24	ppb	0.00
Spiked Amount 50.000			Recovery = 62.48%			
51) 2-Fluorobiphenyl	7.085	172	559061	31.58	ppb	0.00
Spiked Amount 50.000			Recovery = 63.16%			
73) 2,4,6-Tribromophenol	9.102	330	63466	37.05	ppb	0.01
Spiked Amount 50.000			Recovery = 74.10%			
85) Terphenyl-d14	12.701	244	531272	35.06	ppb	0.01
Spiked Amount 50.000			Recovery = 70.12%			

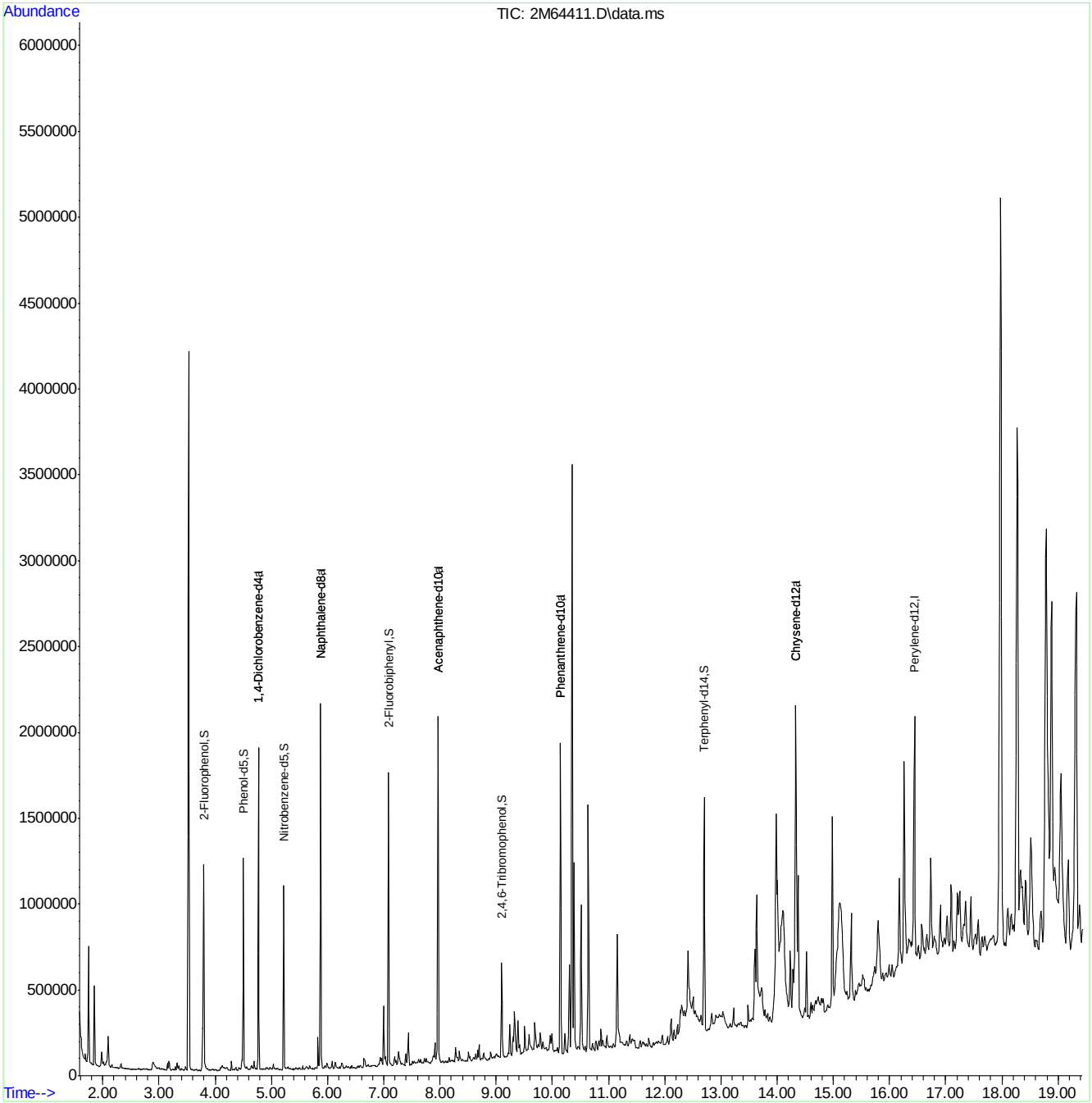
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64411.D
Acq On : 14 Jun 2014 6:25 am
Operator : andrews1
Sample : jb68318-3
Misc : op75376,E2M2732,32.6
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 15 10:59:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64412.D
Acq On : 14 Jun 2014 6:51 am
Operator : andrews1
Sample : jb68318-4
Misc : op75376,E2M2732,32.1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 15 11:00:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	248582	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	986935	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	540111	40.00	ppb	0.00
69) Phenanthrene-d10	10.145	188	803891	40.00	ppb	0.01
83) Chrysene-d12	14.327	240	697978	40.00	ppb	0.01
92) Perylene-d12	16.445	264	654675	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	4.769	152	248582	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	540111	40.00	ppb	0.00
106) Chrysene-d12a	14.327	240	697978	40.00	ppb	0.01
108) Phenanthrene-d10a	10.145	188	803891	40.00	ppb	0.01
110) Naphthalene-d8a	5.876	136	986935	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.796	112	330006	33.87	ppb	0.02
Spiked Amount 50.000			Recovery = 67.74%			
8) Phenol-d5	4.502	99	419586	33.16	ppb	0.01
Spiked Amount 50.000			Recovery = 66.32%			
25) Nitrobenzene-d5	5.219	82	342105	32.81	ppb	0.00
Spiked Amount 50.000			Recovery = 65.62%			
51) 2-Fluorobiphenyl	7.085	172	599545	32.86	ppb	0.00
Spiked Amount 50.000			Recovery = 65.72%			
73) 2,4,6-Tribromophenol	9.102	330	63991	36.83	ppb	0.01
Spiked Amount 50.000			Recovery = 73.66%			
85) Terphenyl-d14	12.701	244	531530	35.25	ppb	0.01
Spiked Amount 50.000			Recovery = 70.50%			

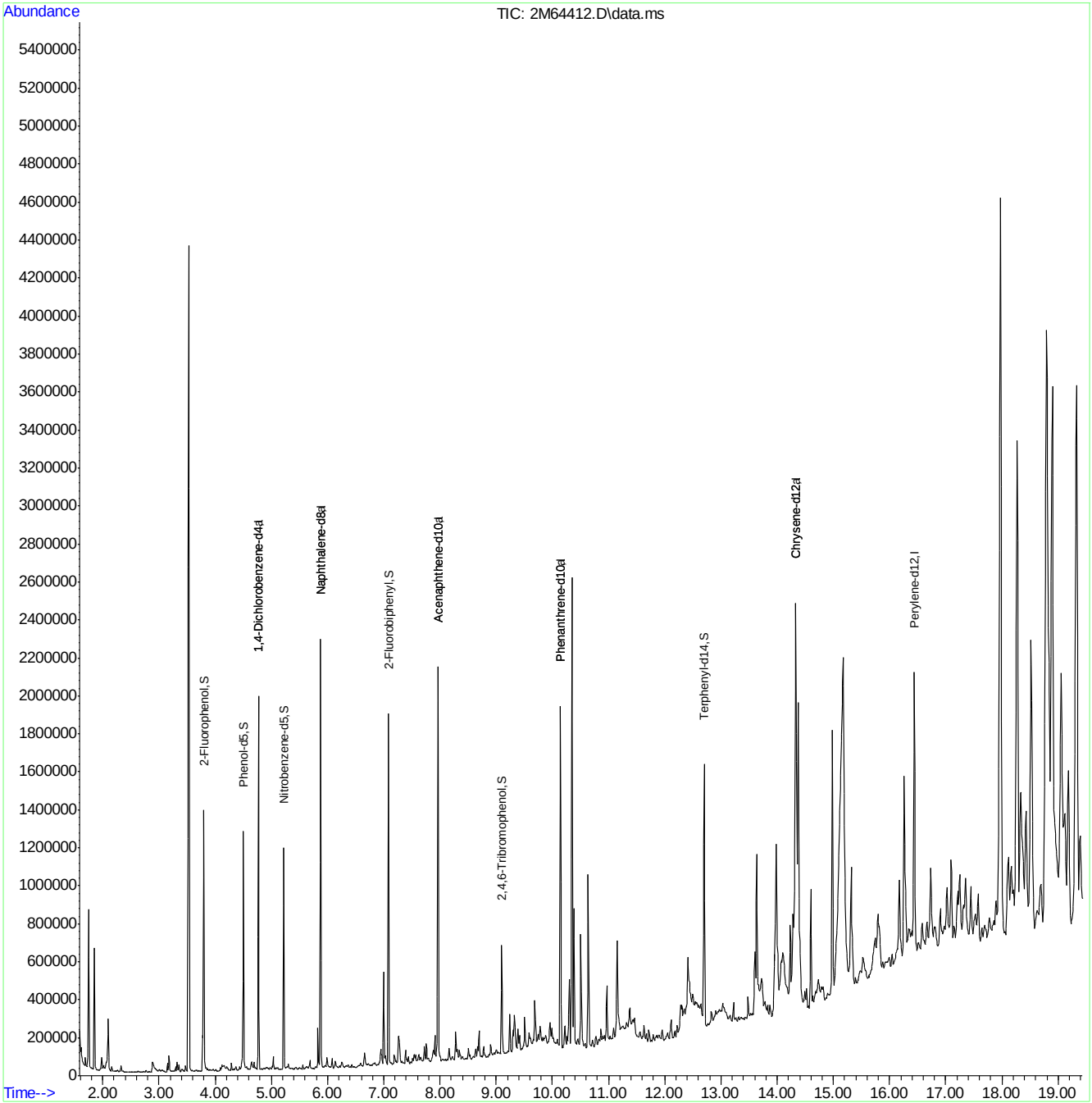
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64412.D
Acq On : 14 Jun 2014 6:51 am
Operator : andrews1
Sample : jb68318-4
Misc : op75376,E2M2732,32.1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 15 11:00:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64413.D
Acq On : 14 Jun 2014 7:17 am
Operator : andrews1
Sample : jb68318-5
Misc : op75376,E2M2732,32.6
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 15 11:01:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	257253	40.00	ppb	0.00
24) Naphthalene-d8	5.882	136	1019867	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	565711	40.00	ppb	0.00
69) Phenanthrene-d10	10.150	188	852749	40.00	ppb	0.02
83) Chrysene-d12	14.327	240	748220	40.00	ppb	0.01
92) Perylene-d12	16.445	264	672916	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	4.769	152	257253	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	565711	40.00	ppb	0.00
106) Chrysene-d12a	14.327	240	748220	40.00	ppb	0.01
108) Phenanthrene-d10a	10.150	188	852749	40.00	ppb	0.02
110) Naphthalene-d8a	5.882	136	1019867	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.796	112	388902	38.57	ppb	0.02
Spiked Amount 50.000			Recovery = 77.14%			
8) Phenol-d5	4.507	99	499735	38.17	ppb	0.02
Spiked Amount 50.000			Recovery = 76.34%			
25) Nitrobenzene-d5	5.218	82	407585	37.83	ppb	0.00
Spiked Amount 50.000			Recovery = 75.66%			
51) 2-Fluorobiphenyl	7.085	172	708679	37.09	ppb	0.00
Spiked Amount 50.000			Recovery = 74.18%			
73) 2,4,6-Tribromophenol	9.102	330	81191	44.05	ppb	0.01
Spiked Amount 50.000			Recovery = 88.10%			
85) Terphenyl-d14	12.701	244	655409	40.55	ppb	0.01
Spiked Amount 50.000			Recovery = 81.10%			

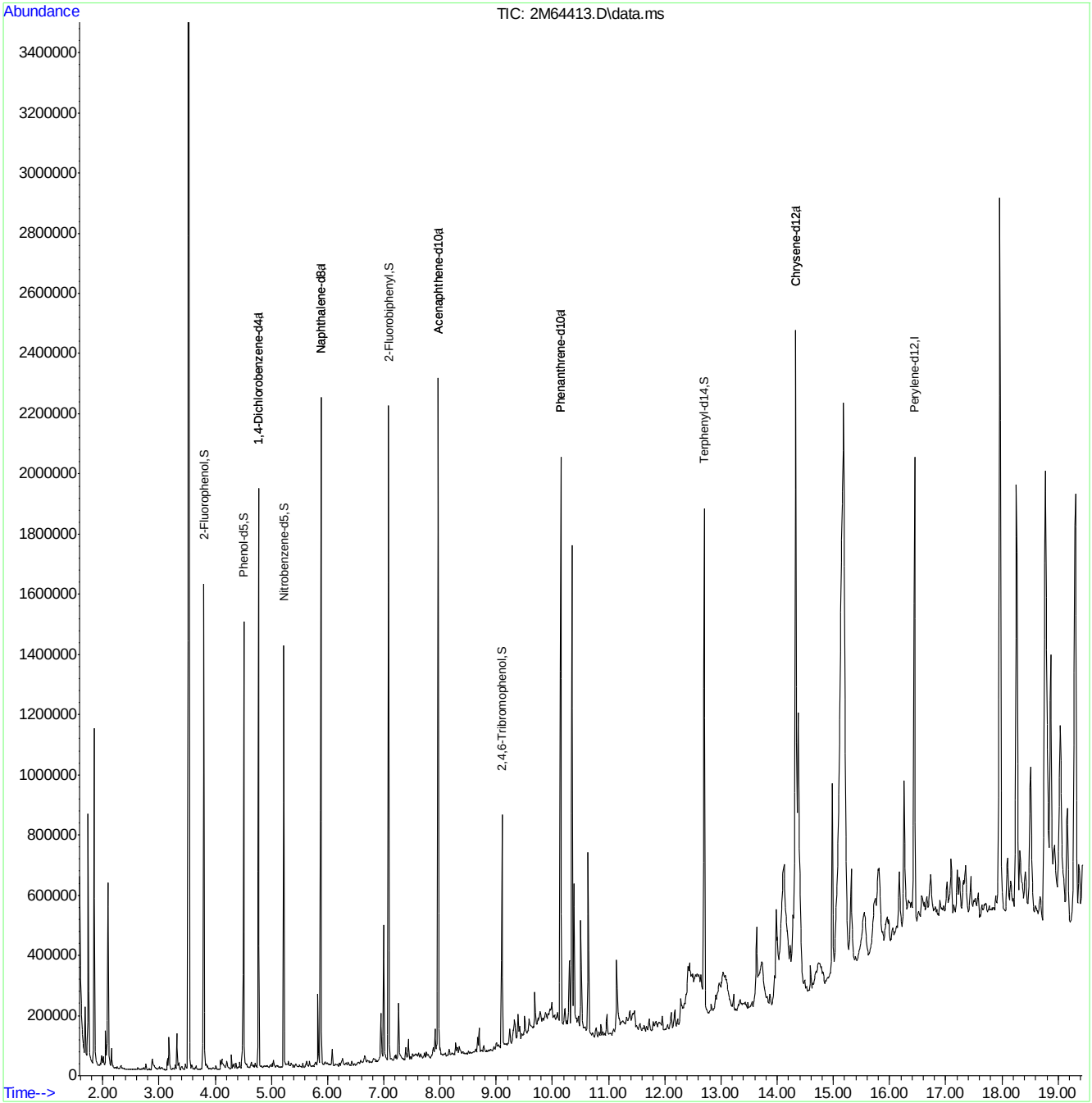
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64413.D
Acq On : 14 Jun 2014 7:17 am
Operator : andrews1
Sample : jb68318-5
Misc : op75376,E2M2732,32.6
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 15 11:01:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61828.D
Acq On : 8 Jun 2014 6:35 pm
Operator : ashleyd
Sample : jb68318-6
Misc : op75387,e3e2652,900
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 16:44:45 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

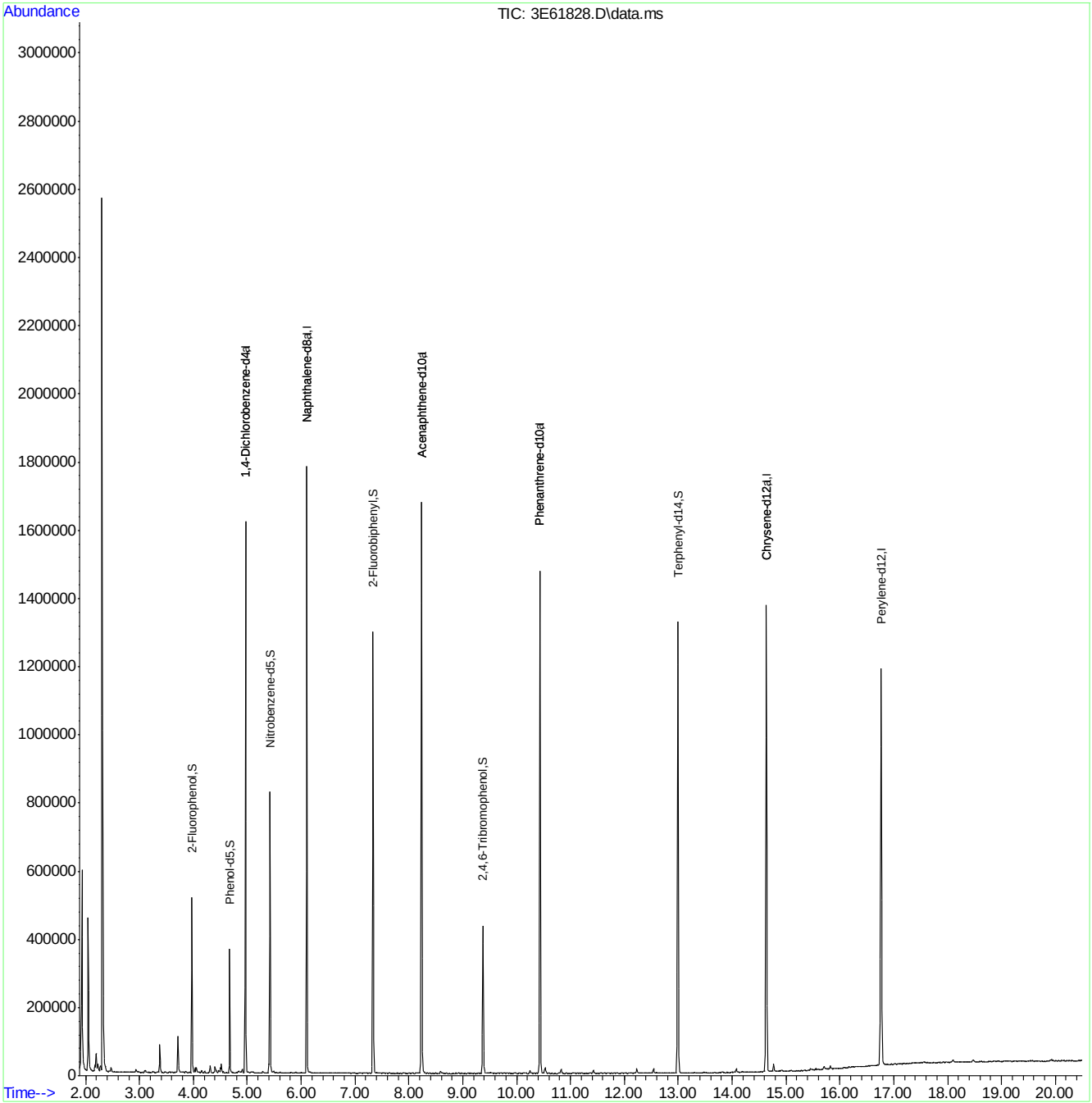
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.968	152	207751	40.00	ppb	-0.01
24) Naphthalene-d8	6.107	136	791084	40.00	ppb	-0.02
47) Acenaphthene-d10	8.236	164	428018	40.00	ppb	-0.02
69) Phenanthrene-d10	10.434	188	648678	40.00	ppb	-0.02
83) Chrysene-d12	14.633	240	578595	40.00	ppb	-0.03
92) Perylene-d12	16.767	264	505436	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	4.968	152	207751	40.00	ppb	-0.01
104) Acenaphthene-d10a	8.236	164	428018	40.00	ppb	-0.02
106) Phenanthrene-d10a	10.434	188	648678	40.00	ppb	-0.02
108) Chrysene-d12a	14.633	240	578595	40.00	ppb	-0.02
110) Naphthalene-d8a	6.107	136	791084	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.973	112	123737	17.62	ppb	0.00
Spiked Amount 50.000			Recovery = 35.24%			
8) Phenol-d5	4.673	99	104853	12.06	ppb	0.00
Spiked Amount 50.000			Recovery = 24.12%			
25) Nitrobenzene-d5	5.422	82	229778	33.52	ppb	-0.02
Spiked Amount 50.000			Recovery = 67.04%			
51) 2-Fluorobiphenyl	7.332	172	437077	33.28	ppb	-0.02
Spiked Amount 50.000			Recovery = 66.56%			
73) 2,4,6-Tribromophenol	9.380	330	51334	45.21	ppb	-0.02
Spiked Amount 50.000			Recovery = 90.42%			
85) Terphenyl-d14	12.996	244	514308	42.03	ppb	-0.02
Spiked Amount 50.000			Recovery = 84.06%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61828.D
Acq On : 8 Jun 2014 6:35 pm
Operator : ashleyd
Sample : jb68318-6
Misc : op75387,e3e2652,900
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 16:44:45 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\E2M2731\
Data File : 2M64414.D
Acq On : 14 Jun 2014 7:44 am
Operator : andrews1
Sample : jb68318-8
Misc : op75376,E2M2732,30.7
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 11:02:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

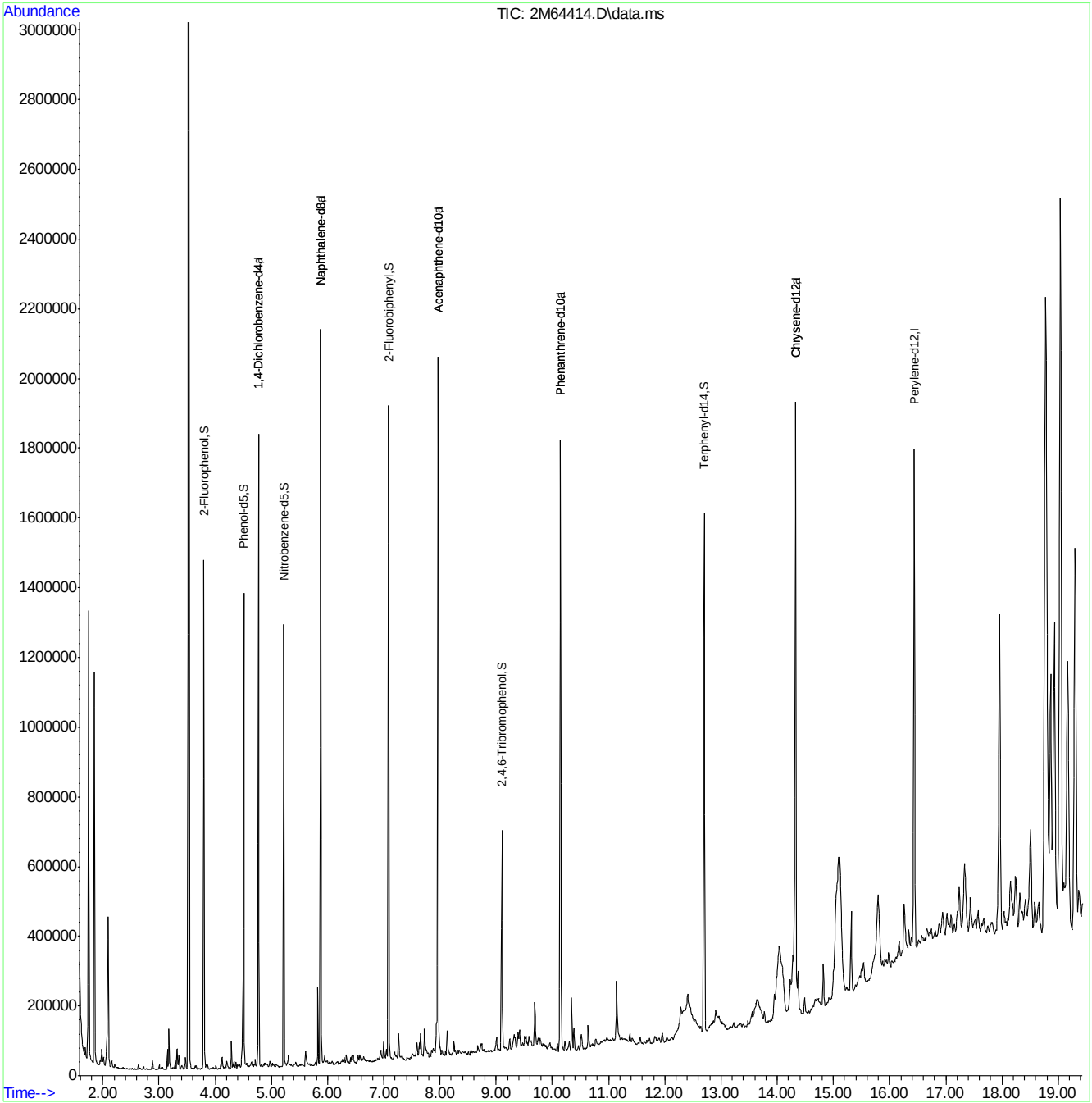
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	239547	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	935772	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	514983	40.00	ppb	0.00
69) Phenanthrene-d10	10.144	188	776265	40.00	ppb	0.01
83) Chrysene-d12	14.327	240	669363	40.00	ppb	0.01
92) Perylene-d12	16.440	264	612124	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	4.769	152	239547	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	514983	40.00	ppb	0.00
106) Chrysene-d12a	14.327	240	669363	40.00	ppb	0.01
108) Phenanthrene-d10a	10.144	188	776265	40.00	ppb	0.01
110) Naphthalene-d8a	5.876	136	935772	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.796	112	347675	37.03	ppb	0.02
Spiked Amount 50.000			Recovery = 74.06%			
8) Phenol-d5	4.507	99	447583	36.71	ppb	0.02
Spiked Amount 50.000			Recovery = 73.42%			
25) Nitrobenzene-d5	5.218	82	366079	37.03	ppb	0.00
Spiked Amount 50.000			Recovery = 74.06%			
51) 2-Fluorobiphenyl	7.085	172	630700	36.26	ppb	0.00
Spiked Amount 50.000			Recovery = 72.52%			
73) 2,4,6-Tribromophenol	9.101	330	72263	43.07	ppb	0.01
Spiked Amount 50.000			Recovery = 86.14%			
85) Terphenyl-d14	12.701	244	577869	39.97	ppb	0.01
Spiked Amount 50.000			Recovery = 79.94%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64414.D
Acq On : 14 Jun 2014 7:44 am
Operator : andrews1
Sample : jb68318-8
Misc : op75376,E2M2732,30.7
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 11:02:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64415.D
Acq On : 14 Jun 2014 8:10 am
Operator : andrews1
Sample : jb68318-9
Misc : op75376,E2M2732,31.0
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 11:03:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

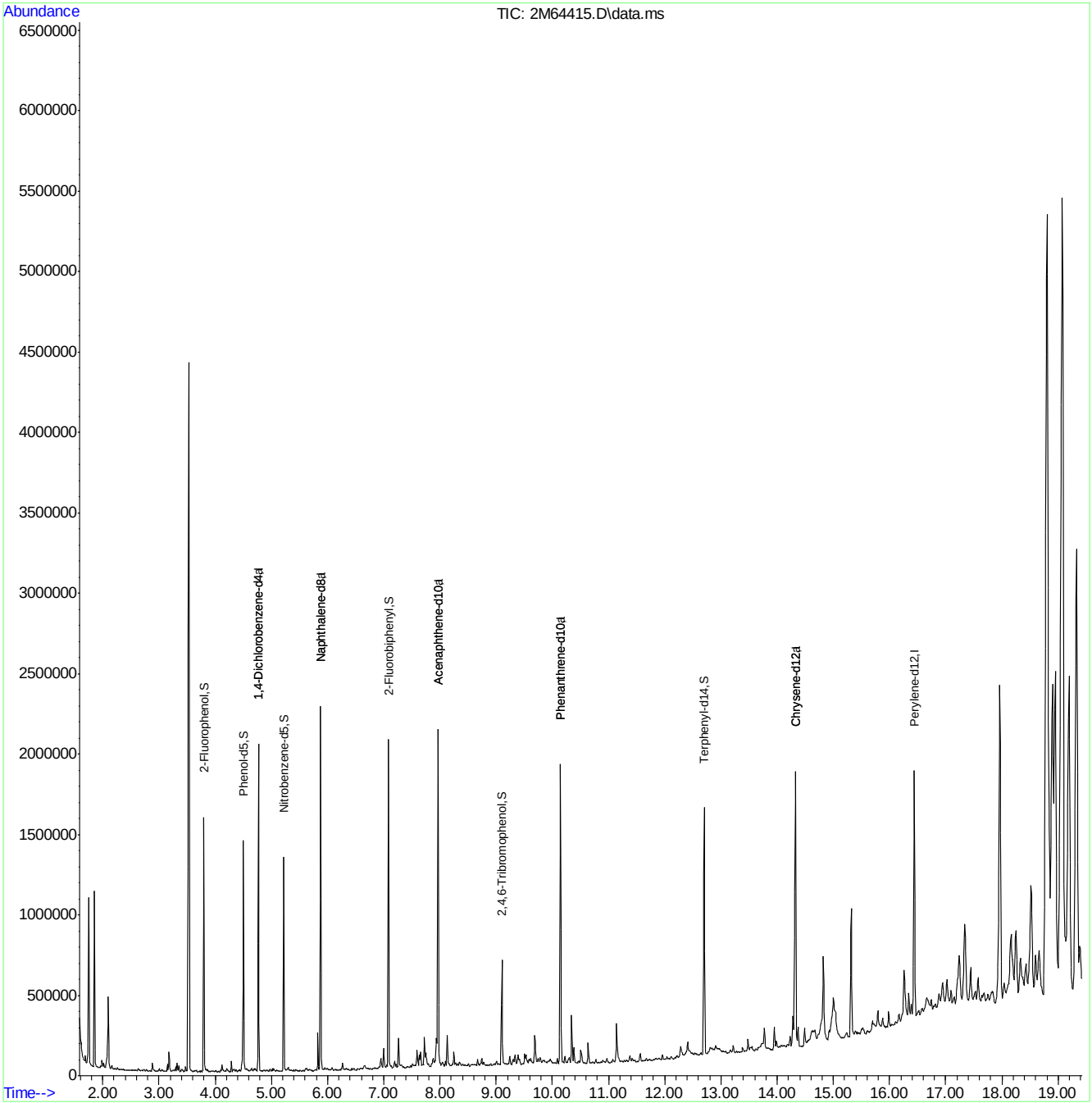
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	255598	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1003345	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	550904	40.00	ppb	0.00
69) Phenanthrene-d10	10.145	188	811942	40.00	ppb	0.01
83) Chrysene-d12	14.327	240	694872	40.00	ppb	0.01
92) Perylene-d12	16.440	264	629637	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	4.769	152	255598	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	550904	40.00	ppb	0.00
106) Chrysene-d12a	14.327	240	694872	40.00	ppb	0.01
108) Phenanthrene-d10a	10.145	188	811942	40.00	ppb	0.01
110) Naphthalene-d8a	5.876	136	1003345	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.796	112	372798	37.21	ppb	0.02
Spiked Amount 50.000			Recovery = 74.42%			
8) Phenol-d5	4.502	99	480373	36.93	ppb	0.01
Spiked Amount 50.000			Recovery = 73.86%			
25) Nitrobenzene-d5	5.219	82	386589	36.47	ppb	0.00
Spiked Amount 50.000			Recovery = 72.94%			
51) 2-Fluorobiphenyl	7.085	172	670640	36.04	ppb	0.00
Spiked Amount 50.000			Recovery = 72.08%			
73) 2,4,6-Tribromophenol	9.102	330	76455	43.56	ppb	0.01
Spiked Amount 50.000			Recovery = 87.12%			
85) Terphenyl-d14	12.701	244	591827	39.43	ppb	0.01
Spiked Amount 50.000			Recovery = 78.86%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64415.D
Acq On : 14 Jun 2014 8:10 am
Operator : andrews1
Sample : jb68318-9
Misc : op75376,E2M2732,31.0
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 11:03:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64416.D
Acq On : 14 Jun 2014 8:36 am
Operator : andrews1
Sample : jb68318-10
Misc : op75376,E2M2732,31.4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 11:04:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	287250	40.00	ppb	0.00
24) Naphthalene-d8	5.882	136	1131098	40.00	ppb	0.00
47) Acenaphthene-d10	7.968	164	633759	40.00	ppb	0.00
69) Phenanthrene-d10	10.150	188	961943	40.00	ppb	0.02
83) Chrysene-d12	14.333	240	839338	40.00	ppb	0.02
92) Perylene-d12	16.445	264	755150	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	4.769	152	287250	40.00	ppb	0.00
104) Acenaphthene-d10a	7.968	164	633759	40.00	ppb	0.00
106) Chrysene-d12a	14.333	240	839338	40.00	ppb	0.02
108) Phenanthrene-d10a	10.150	188	961943	40.00	ppb	0.02
110) Naphthalene-d8a	5.882	136	1131098	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.796	112	314225	27.91	ppb	0.02
Spiked Amount 50.000			Recovery = 55.82%			
8) Phenol-d5	4.507	99	410902	28.11	ppb	0.02
Spiked Amount 50.000			Recovery = 56.22%			
25) Nitrobenzene-d5	5.219	82	327113	27.37	ppb	0.00
Spiked Amount 50.000			Recovery = 54.74%			
51) 2-Fluorobiphenyl	7.085	172	586542	27.40	ppb	0.00
Spiked Amount 50.000			Recovery = 54.80%			
73) 2,4,6-Tribromophenol	9.102	330	67535	32.48	ppb	0.01
Spiked Amount 50.000			Recovery = 64.96%			
85) Terphenyl-d14	12.707	244	550178	30.35	ppb	0.02
Spiked Amount 50.000			Recovery = 60.70%			

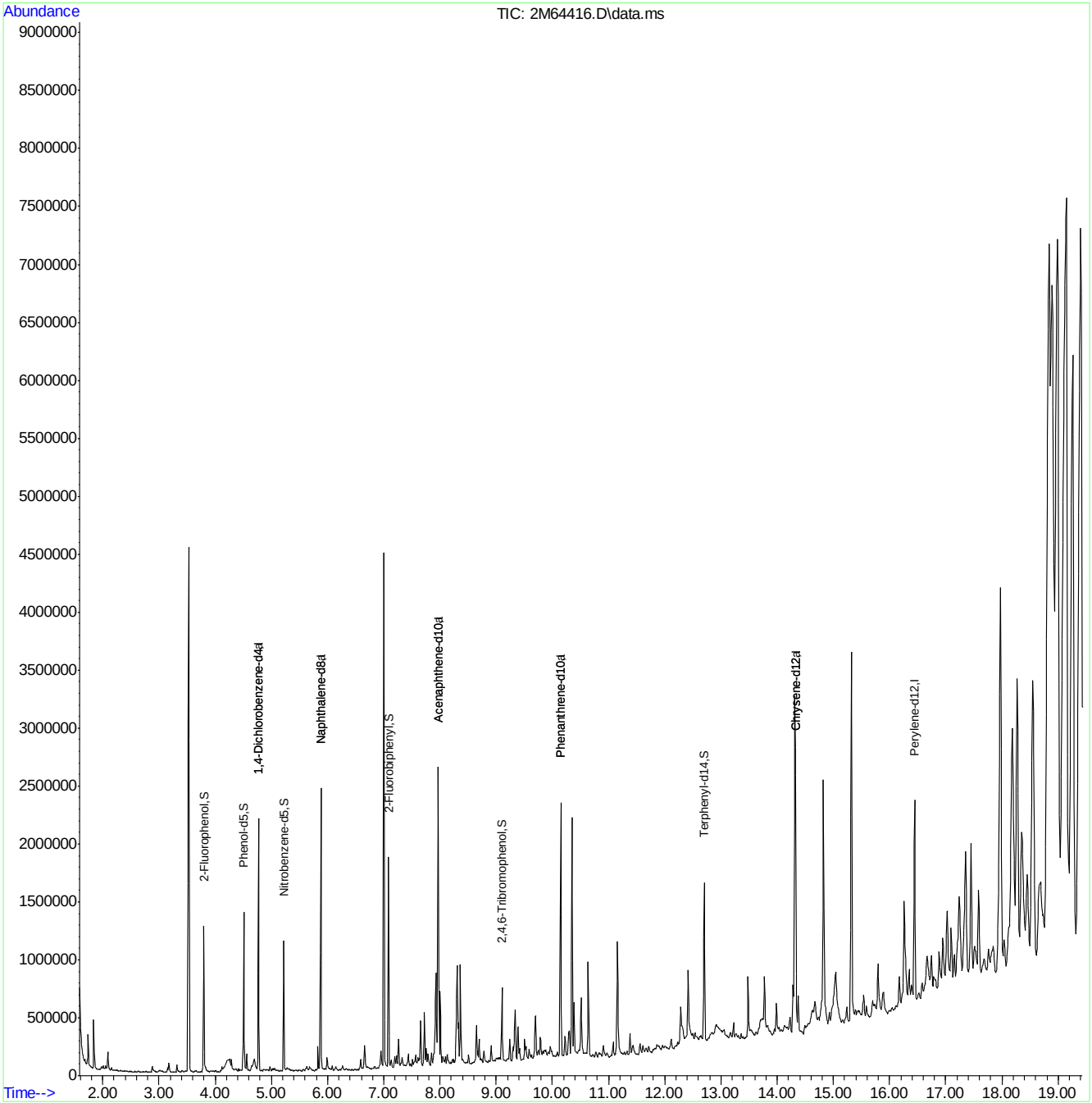
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64416.D
Acq On : 14 Jun 2014 8:36 am
Operator : andrews1
Sample : jb68318-10
Misc : op75376,E2M2732,31.4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 11:04:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64177.D
Acq On : 7 Jun 2014 12:07 pm
Operator : harpreek
Sample : op75376-mb1
Misc : op75376,E2M2723,35.0,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 16:12:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.657	152	606456	40.00	ppb	-0.04
24) Naphthalene-d8	5.737	136	2372416	40.00	ppb	-0.05
47) Acenaphthene-d10	7.796	164	1394267	40.00	ppb	-0.06
69) Phenanthrene-d10	9.968	188	2057957	40.00	ppb	-0.07
83) Chrysene-d12	14.145	240	1669968	40.00	ppb	-0.07
92) Perylene-d12	16.263	264	1145721	40.00	ppb	-0.06
102) 1,4-Dichlorobenzene-d4a	4.657	152	606456	40.00	ppb	-0.04
104) Acenaphthene-d10a	7.796	164	1394267	40.00	ppb	-0.06
106) Chrysene-d12a	14.145	240	1669968	40.00	ppb	-0.06
108) Phenanthrene-d10a	9.968	188	2057957	40.00	ppb	-0.06
110) Naphthalene-d8a	5.737	136	2372416	40.00	ppb	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.705	112	1064638	44.37	ppb	-0.04
Spiked Amount 50.000			Recovery = 88.74%			
8) Phenol-d5	4.416	99	1374973	45.99	ppb	-0.04
Spiked Amount 50.000			Recovery = 91.98%			
25) Nitrobenzene-d5	5.095	82	1307840	48.53	ppb	-0.04
Spiked Amount 50.000			Recovery = 97.06%			
51) 2-Fluorobiphenyl	6.925	172	1883446	42.57	ppb	-0.06
Spiked Amount 50.000			Recovery = 85.14%			
73) 2,4,6-Tribromophenol	8.930	330	152575	39.50	ppb	-0.07
Spiked Amount 50.000			Recovery = 79.00%			
85) Terphenyl-d14	12.514	244	1629829	46.58	ppb	-0.07
Spiked Amount 50.000			Recovery = 93.16%			

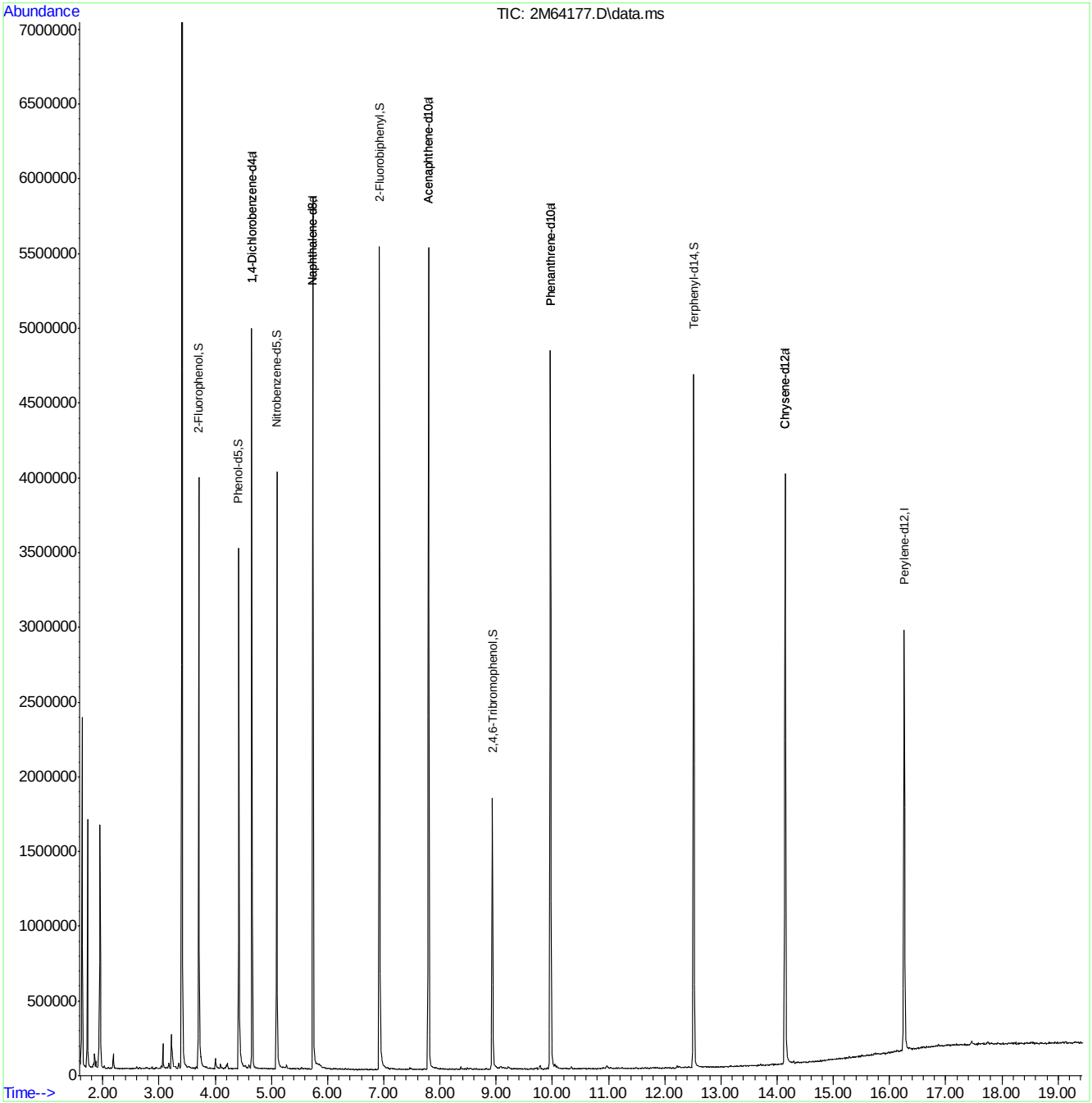
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64177.D
Acq On : 7 Jun 2014 12:07 pm
Operator : harpreek
Sample : op75376-mb1
Misc : op75376,E2M2723,35.0,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 16:12:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61823.D
Acq On : 8 Jun 2014 4:17 pm
Operator : ashleyd
Sample : op75387-mb1
Misc : op75387,e3e2652,1000
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 15:57:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 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	4.967	152	199302	40.00	ppb	-0.01
24) Naphthalene-d8	6.107	136	750476	40.00	ppb	-0.02
47) Acenaphthene-d10	8.236	164	406251	40.00	ppb	-0.02
69) Phenanthrene-d10	10.434	188	615215	40.00	ppb	-0.02
83) Chrysene-d12	14.638	240	530523	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	465374	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.967	152	199302	40.00	ppb	-0.01
104) Acenaphthene-d10a	8.236	164	406251	40.00	ppb	-0.02
106) Phenanthrene-d10a	10.434	188	615215	40.00	ppb	-0.02
108) Chrysene-d12a	14.638	240	530523	40.00	ppb	-0.02
110) Naphthalene-d8a	6.107	136	750476	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.973	112	134113	19.91	ppb	0.00
Spiked Amount 50.000			Recovery = 39.82%			
8) Phenol-d5	4.673	99	110470	13.24	ppb	0.00
Spiked Amount 50.000			Recovery = 26.48%			
25) Nitrobenzene-d5	5.422	82	273026	41.99	ppb	-0.02
Spiked Amount 50.000			Recovery = 83.98%			
51) 2-Fluorobiphenyl	7.332	172	501455	40.23	ppb	-0.02
Spiked Amount 50.000			Recovery = 80.46%			
73) 2,4,6-Tribromophenol	9.380	330	54097	50.24	ppb	-0.02
Spiked Amount 50.000			Recovery = 100.48%			
85) Terphenyl-d14	12.996	244	493663	44.00	ppb	-0.02
Spiked Amount 50.000			Recovery = 88.00%			

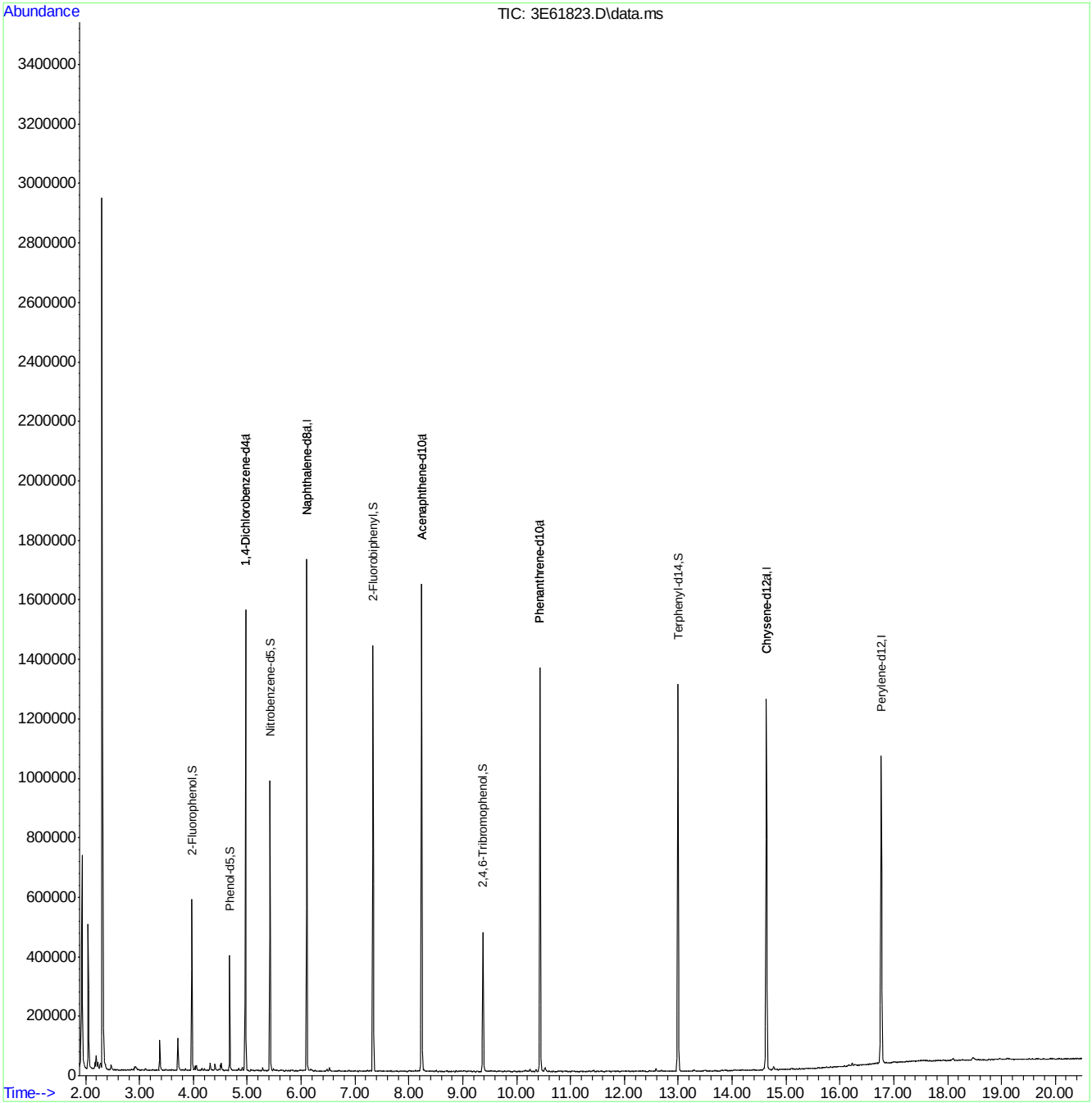
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61823.D
Acq On : 8 Jun 2014 4:17 pm
Operator : ashleyd
Sample : op75387-mb1
Misc : op75387,e3e2652,1000
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 15:57:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 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\em4298\
Data File : m104965.D
Acq On : 9 Jun 2014 12:05 pm
Operator : saumilp
Sample : OP75376-mb1
Misc : op75376,em4298,35.0
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 09 12:52:15 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:47:59 2014
Response via : Initial Calibration

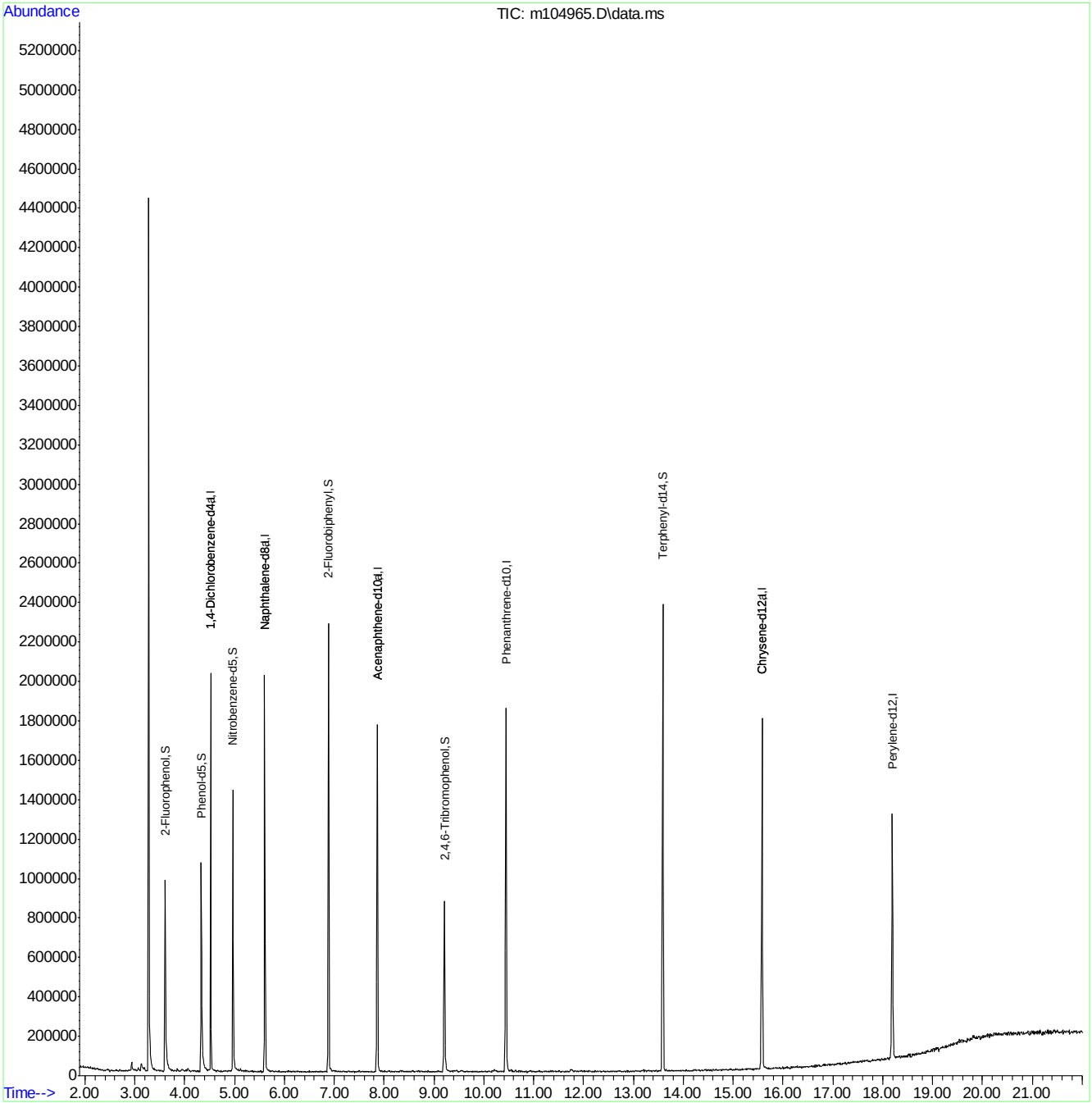
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.521	152	173970	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	691341	40.00	ppb	0.00
47) Acenaphthene-d10	7.865	164	459131	40.00	ppb	0.00
69) Phenanthrene-d10	10.446	188	857450	40.00	ppb	0.00
83) Chrysene-d12	15.579	240	851328	40.00	ppb	-0.01
92) Perylene-d12	18.192	264	602609	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.521	152	173970	40.00	ppb	0.00
104) Acenaphthene-d10a	7.865	164	459131	40.00	ppb	0.00
107) Chrysene-d12a	15.579	240	851328	40.00	ppb	-0.01
109) Naphthalene-d8a	5.606	136	691341	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.608	112	248139	40.14	ppb	0.00
Spiked Amount 50.000			Recovery =	80.28%		
8) Phenol-d5	4.329	99	334665	43.62	ppb	0.00
Spiked Amount 50.000			Recovery =	87.24%		
25) Nitrobenzene-d5	4.970	82	433690	58.50	ppb	0.00
Spiked Amount 50.000			Recovery =	117.00%		
51) 2-Fluorobiphenyl	6.882	172	671651	44.31	ppb	0.00
Spiked Amount 50.000			Recovery =	88.62%		
73) 2,4,6-Tribromophenol	9.212	330	100195	47.64	ppb	0.00
Spiked Amount 50.000			Recovery =	95.28%		
86) Terphenyl-d14	13.587	244	897556	49.80	ppb	0.00
Spiked Amount 50.000			Recovery =	99.60%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104965.D
Acq On : 9 Jun 2014 12:05 pm
Operator : saumilp
Sample : OP75376-mb1
Misc : op75376,em4298,35.0
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 09 12:52:15 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:47:59 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64178.D
Acq On : 7 Jun 2014 12:33 pm
Operator : harpreek
Sample : op75376-bs1
Misc : op75376,E2M2723,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 16:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.652	152	532429	40.00	ppb	-0.04
24) Naphthalene-d8	5.737	136	2196191	40.00	ppb	-0.05
47) Acenaphthene-d10	7.797	164	1238490	40.00	ppb	-0.06
69) Phenanthrene-d10	9.968	188	1847329	40.00	ppb	-0.07
83) Chrysene-d12	14.151	240	1596867	40.00	ppb	-0.06
92) Perylene-d12	16.263	264	1066402	40.00	ppb	-0.06
102) 1,4-Dichlorobenzene-d4a	4.652	152	532429	40.00	ppb	-0.04
104) Acenaphthene-d10a	7.797	164	1238490	40.00	ppb	-0.06
106) Chrysene-d12a	14.151	240	1596867	40.00	ppb	-0.06
108) Phenanthrene-d10a	9.968	188	1847329	40.00	ppb	-0.06
110) Naphthalene-d8a	5.737	136	2196191	40.00	ppb	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.705	112	916945	43.52	ppb	-0.04
Spiked Amount 50.000			Recovery = 87.04%			
8) Phenol-d5	4.422	99	1171254	44.63	ppb	-0.04
Spiked Amount 50.000			Recovery = 89.26%			
25) Nitrobenzene-d5	5.096	82	1125503	45.12	ppb	-0.04
Spiked Amount 50.000			Recovery = 90.24%			
51) 2-Fluorobiphenyl	6.925	172	1676817	42.67	ppb	-0.06
Spiked Amount 50.000			Recovery = 85.34%			
73) 2,4,6-Tribromophenol	8.936	330	153843	44.37	ppb	-0.06
Spiked Amount 50.000			Recovery = 88.74%			
85) Terphenyl-d14	12.514	244	1516450	45.32	ppb	-0.07
Spiked Amount 50.000			Recovery = 90.64%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.202	88	277021	26.27	ppb	99
3) Pyridine	2.528	79	902405	33.01	ppb	99
4) N-Nitrosodimethylamine	2.496	74	592234	39.07	ppb	96
6) Indene	4.855	116	1872144	46.06	ppb	99
7) Cumene	4.058	105	2554273	41.83	ppb	98
9) Phenol	4.432	94	1466422	43.90	ppb	95
10) Aniline	4.416	93	1268858	39.08	ppb	96
11) bis(2-Chloroethyl)ether	4.454	93	1007236	44.66	ppb	97
12) 2-Chlorophenol	4.513	128	921067	43.35	ppb	96
13) Decane	4.529	43	590729	38.16	ppb	89
14) 1,3-Dichlorobenzene	4.614	146	906730	38.73	ppb	99
15) 1,4-Dichlorobenzene	4.668	146	923788	39.11	ppb	98
16) Benzyl alcohol	4.769	108	710033	49.35	ppb	85
17) 1,2-Dichlorobenzene	4.785	146	883480	40.33	ppb	98
18) Acetophenone	4.967	105	1581859	45.77	ppb	94
19) 2-Methylphenol	4.876	108	936540	44.35	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.860	45	691981	41.06	ppb	98
21) 3&4-Methylphenol	4.994	108	1003590	44.79	ppb	99
22) n-Nitroso-di-n-propyla...	4.972	70	709371	45.43	ppb	97
23) Hexachloroethane	5.053	201	256193	39.23	ppb	87
26) Nitrobenzene	5.112	77	1166478	43.20	ppb	96
27) Quinoline	6.101	129	2142166	45.78	ppb	98
28) Isophorone	5.309	82	1961610	43.68	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64178.D
Acq On : 7 Jun 2014 12:33 pm
Operator : harpreek
Sample : op75376-bs1
Misc : op75376,E2M2723,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 16:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.390	139	502471	44.82	ppb		80
30) 2,4-Dimethylphenol	5.438	107	1043240	54.83	ppb		96
31) Benzoic acid	5.555	105	603449	43.27	ppb		96
32) bis(2-Chloroethoxy)met...	5.502	93	1201110	47.02	ppb		99
33) 2,4-Dichlorophenol	5.625	162	722663	44.13	ppb		99
34) 2,6-Dichlorophenol	5.834	162	712707	44.59	ppb		98
36) 1,2,4-Trichlorobenzene	5.684	180	669126	40.16	ppb		98
38) Naphthalene	5.759	128	2561651	40.53	ppb		100
39) 4-Chloroaniline	5.818	127	837331	34.71	ppb		94
40) 2,3-Dichloroaniline	6.828	161	932690	42.31	ppb		98
41) Caprolactam	6.187	55	403409	50.21	ppb		95
42) Hexachlorobutadiene	5.882	225	359056	40.98	ppb		99
43) 4-Chloro-3-methylphenol	6.358	107	948413	46.92	ppb		98
44) 2-Methylnaphthalene	6.486	141	1560312	44.51	ppb		96
45) 1-Methylnaphthalene	6.604	142	2028087	45.28	ppb		98
46) Dimethylnaphthalene	7.246	156	1807846	45.46	ppb		96
48) Hexachlorocyclopentadiene	6.679	237	700623	92.72	ppb		98
49) 2,4,6-Trichlorophenol	6.839	196	450847	44.15	ppb		98
50) 2,4,5-Trichlorophenol	6.903	196	482477	45.25	ppb		98
52) 2-Chloronaphthalene	7.069	162	1529173	41.36	ppb		96
53) Biphenyl	7.048	154	2445623	45.04	ppb		98
54) 2-Nitroaniline	7.219	65	657334	52.00	ppb		95
55) Dimethylphthalate	7.454	163	1838536	44.99	ppb		99
56) Acenaphthylene	7.604	152	2276618	36.94	ppb		99
57) 2,6-Dinitrotoluene	7.534	165	406080	43.89	ppb		90
58) 3-Nitroaniline	7.764	138	433974	37.41	ppb		88
59) Acenaphthene	7.839	153	1688808	45.00	ppb		100
60) 2,4-Dinitrophenol	7.925	184	380132	77.45	ppb	#	63
61) 4-Nitrophenol	8.091	109	356070	58.47	ppb		94
62) Dibenzofuran	8.085	168	2381854	46.96	ppb		94
63) 2,4-Dinitrotoluene	8.101	165	573370	46.99	ppb		95
64) 2,3,4,6-Tetrachlorophenol	8.289	232	336561	43.88	ppb		89
65) Diethylphthalate	8.449	149	2026549	48.01	ppb		98
66) Fluorene	8.572	166	1858727	45.62	ppb		99
67) 4-Chlorophenyl-phenyle...	8.583	204	756486	45.37	ppb		90
68) 4-Nitroaniline	8.642	138	568383	49.90	ppb		86
70) 4,6-Dinitro-2-methylph...	8.695	198	274825	45.71	ppb		76
71) n-Nitrosodiphenylamine	8.770	169	1307856	48.38	ppb		100
72) 1,2-Diphenylhydrazine	8.818	77	2537615	50.63	ppb		93
74) 4-Bromophenyl-phenylether	9.305	248	367353	44.59	ppb		85
75) Hexachlorobenzene	9.401	284	351007	41.02	ppb		78
76) Pentachlorophenol	9.722	266	197955	43.92	ppb		99
77) Phenanthrene	10.006	178	2502102	44.11	ppb		100
78) Anthracene	10.086	178	2613150	46.39	ppb		99
79) Carbazole	10.364	167	2754736	44.52	ppb		98
80) Di-n-butylphthalate	10.968	149	3461789	50.84	ppb		98
81) Fluoranthene	11.867	202	2455641	45.70	ppb		98
82) Octadecane	9.909	57	1312924	52.38	ppb		94
84) Pyrene	12.215	202	2553779	44.75	ppb		99
86) Butylbenzylphthalate	13.338	149	1500046	49.68	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64178.D
Acq On : 7 Jun 2014 12:33 pm
Operator : harpreek
Sample : op75376-bs1
Misc : op75376,E2M2723,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 16:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

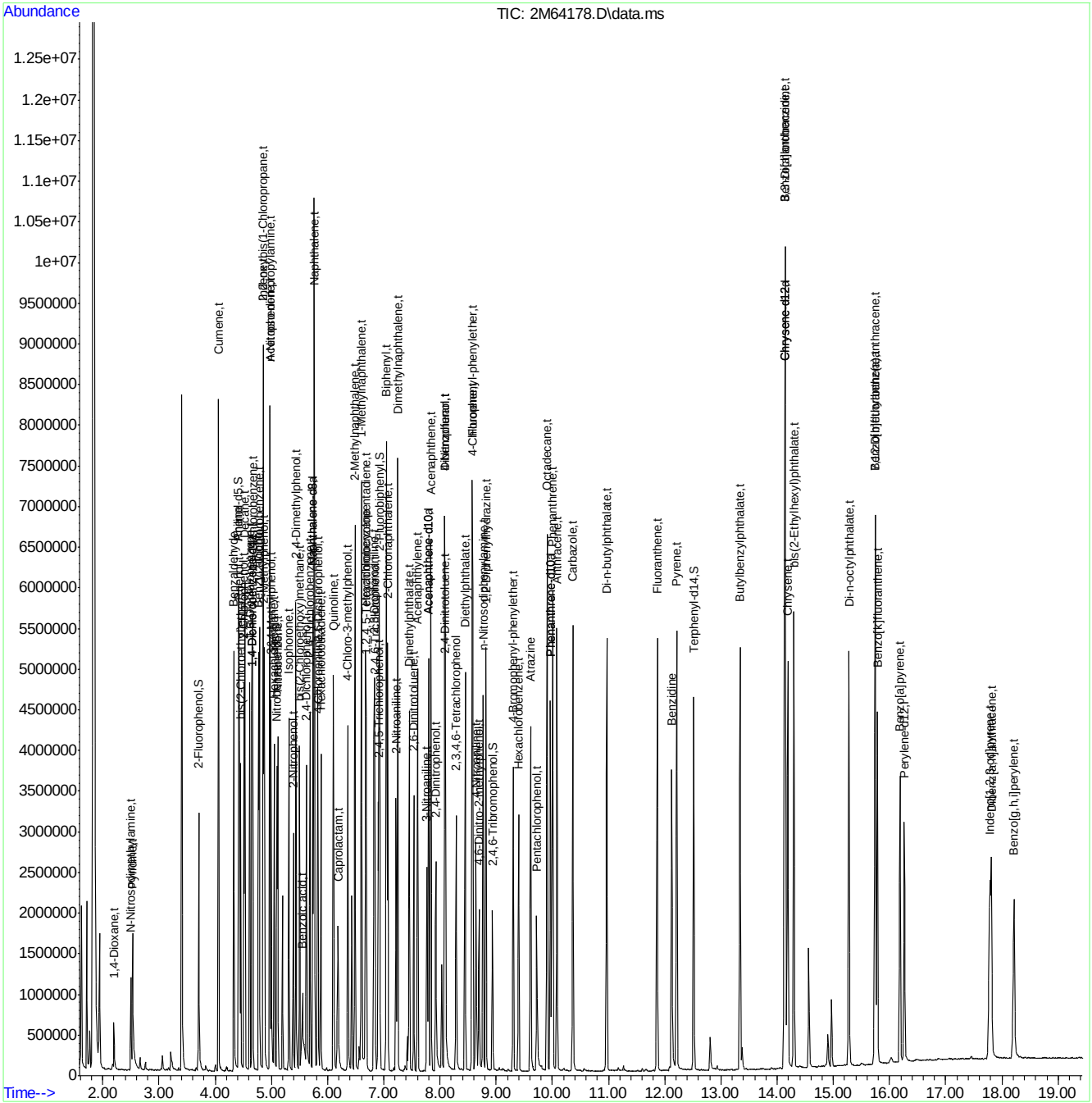
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.135	228	2164775	45.07	ppb	99
89) 3,3'-Dichlorobenzidine	14.140	252	1159584	74.03	ppb	98
90) Chrysene	14.188	228	2094525	44.69	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.295	149	2049898	49.92	ppb	99
93) Di-n-octylphthalate	15.279	149	3402835	58.96	ppb	99
94) Benzo[b]fluoranthene	15.750	252	1805053	49.36	ppb	96
95) Benzo[k]fluoranthene	15.787	252	1738110	49.41	ppb	97
96) Benzo[a]pyrene	16.189	252	1562387	48.98	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.782	276	1618743	42.60	ppb	93
99) Dibenz[a,h]anthracene	17.815	278	1384906	43.61	ppb	95
100) 7,12-Dimethylbenz(a)an...	15.745	256	990421	57.41	ppb	94
101) Benzo[g,h,i]perylene	18.216	276	1289291	42.26	ppb	95
103) Benzaldehyde	4.331	105	845414	51.48	ppb	99
105) 1,2,4,5-Tetrachloroben...	6.689	216	576283	41.76	ppb	99
107) Benzidine	12.129	184	1869422	59.86	ppb	99
109) Atrazine	9.615	215	263414	54.72	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64178.D
Acq On : 7 Jun 2014 12:33 pm
Operator : harpreek
Sample : op75376-bs1
Misc : op75376,E2M2723,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 16:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61824.D
Acq On : 8 Jun 2014 4:44 pm
Operator : ashleyd
Sample : op75387-bs1
Misc : op75387,e3e2652,1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 09 15:58:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 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	199298	40.00	ppb	-0.01
24) Naphthalene-d8	6.107	136	822643	40.00	ppb	-0.02
47) Acenaphthene-d10	8.236	164	346617	40.00	ppb	-0.02
69) Phenanthrene-d10	10.439	188	493183	40.00	ppb	-0.02
83) Chrysene-d12	14.643	240	412098	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	354368	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.968	152	199298	40.00	ppb	-0.01
104) Acenaphthene-d10a	8.236	164	346617	40.00	ppb	-0.02
106) Phenanthrene-d10a	10.439	188	493183	40.00	ppb	-0.02
108) Chrysene-d12a	14.643	240	412098	40.00	ppb	-0.01
110) Naphthalene-d8a	6.107	136	822643	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.978	112	150100	22.29	ppb	0.00
Spiked Amount 50.000			Recovery = 44.58%			
8) Phenol-d5	4.679	99	130774	15.67	ppb	0.00
Spiked Amount 50.000			Recovery = 31.34%			
25) Nitrobenzene-d5	5.427	82	265060	37.19	ppb	-0.01
Spiked Amount 50.000			Recovery = 74.38%			
51) 2-Fluorobiphenyl	7.337	172	448860	42.21	ppb	-0.02
Spiked Amount 50.000			Recovery = 84.42%			
73) 2,4,6-Tribromophenol	9.380	330	46914	54.35	ppb	-0.02
Spiked Amount 50.000			Recovery = 108.70%			
85) Terphenyl-d14	12.996	244	418068	47.97	ppb	-0.02
Spiked Amount 50.000			Recovery = 95.94%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.566	88	64185	17.86	ppb	97
3) Pyridine	2.882	79	141311	16.01	ppb	94
4) N-Nitrosodimethylamine	2.833	74	109544	22.32	ppb	89
6) Indene	5.181	116	513780	38.78	ppb	99
7) Cumene	4.363	105	630795	33.80	ppb	97
9) Phenol	4.689	94	174560	18.15	ppb	100
10) Aniline	4.711	93	304300	29.72	ppb	100
11) bis(2-Chloroethyl)ether	4.754	93	276572	40.87	ppb	99
12) 2-Chlorophenol	4.807	128	258137	34.58	ppb	100
13) Decane	4.834	43	278095	34.39	ppb	92
14) 1,3-Dichlorobenzene	4.925	146	243787	30.56	ppb	98
15) 1,4-Dichlorobenzene	4.984	146	247016	31.15	ppb	97
16) Benzyl alcohol	5.074	108	158440	33.06	ppb	99
17) 1,2-Dichlorobenzene	5.107	146	239846	32.64	ppb	97
18) Acetophenone	5.294	105	411334	39.27	ppb	97
19) 2-Methylphenol	5.165	108	208428	32.73	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.181	121	99834	39.72	ppb	91
21) 3&4-Methylphenol	5.288	108	201893	29.91	ppb	98
22) n-Nitroso-di-n-propyla...	5.288	70	199520	42.92	ppb	97
23) Hexachloroethane	5.395	201	68333	31.49	ppb	94
26) Nitrobenzene	5.444	77	285924	35.76	ppb	100
27) Quinoline	6.481	129	585685	35.77	ppb	100
28) Isophorone	5.652	82	509238	37.18	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61824.D
Acq On : 8 Jun 2014 4:44 pm
Operator : ashleyd
Sample : op75387-bs1
Misc : op75387,e3e2652,1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 09 15:58:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.732	139	151485	39.33	ppb	98
30) 2,4-Dimethylphenol	5.759	107	233414	38.56	ppb	99
31) Benzoic acid	5.839	105	73092	15.90	ppb	97
32) bis(2-Chloroethoxy)met...	5.845	93	318465	38.78	ppb	98
33) 2,4-Dichlorophenol	5.962	162	207015	36.54	ppb	99
34) 2,6-Dichlorophenol	6.192	162	196476	35.74	ppb	99
36) 1,2,4-Trichlorobenzene	6.048	180	188613	30.36	ppb	97
38) Naphthalene	6.128	128	733298	32.97	ppb	99
39) 4-Chloroaniline	6.176	127	237848	25.60	ppb	100
40) 2,3-Dichloroaniline	7.230	161	254868	32.98	ppb	99
41) Caprolactam	6.540	55	37903	10.19	ppb	93
42) Hexachlorobutadiene	6.257	225	80462	28.41	ppb	99
43) 4-Chloro-3-methylphenol	6.700	107	217999	36.29	ppb	97
44) 2-Methylnaphthalene	6.888	141	452308	34.96	ppb	99
45) 1-Methylnaphthalene	7.005	141	487478	34.48	ppb	99
46) Dimethylnaphthalene	7.674	156	482294	34.20	ppb	99
48) Hexachlorocyclopentadiene	7.086	237	212876	89.90	ppb	100
49) 2,4,6-Trichlorophenol	7.230	196	130877	47.95	ppb	99
50) 2,4,5-Trichlorophenol	7.278	196	136107	47.62	ppb	99
52) 2-Chloronaphthalene	7.492	162	405072	41.30	ppb	98
53) Biphenyl	7.465	154	644985	43.21	ppb	100
54) 2-Nitroaniline	7.620	65	160763	51.95	ppb	97
55) Dimethylphthalate	7.872	163	487392	46.88	ppb	99
56) Acenaphthylene	8.038	152	616446	38.66	ppb	99
57) 2,6-Dinitrotoluene	7.947	165	112209	46.69	ppb	98
58) 3-Nitroaniline	8.177	138	109610	38.53	ppb	99
59) Acenaphthene	8.284	153	470592	46.12	ppb	99
60) 2,4-Dinitrophenol	8.326	184	110872	94.90	ppb	90
61) 4-Nitrophenol	8.428	109	35538	24.38	ppb	94
62) Dibenzofuran	8.530	168	594491	43.68	ppb	99
63) 2,4-Dinitrotoluene	8.514	165	151039	45.81	ppb	95
64) 2,3,4,6-Tetrachlorophenol	8.712	232	98911	48.89	ppb	95
65) Diethylphthalate	8.883	149	511147	49.73	ppb	98
66) Fluorene	9.027	166	528202	47.00	ppb	100
67) 4-Chlorophenyl-phenyle...	9.032	204	213963	46.21	ppb	96
68) 4-Nitroaniline	9.059	138	144774	49.70	ppb	97
70) 4,6-Dinitro-2-methylph...	9.113	198	72661	53.72	ppb	97
71) n-Nitrosodiphenylamine	9.214	169	355401	50.83	ppb	98
72) 1,2-Diphenylhydrazine	9.268	77	572525	51.57	ppb	95
74) 4-Bromophenyl-phenylether	9.771	248	113684	49.55	ppb	98
75) Hexachlorobenzene	9.861	284	113656	47.15	ppb	92
76) Pentachlorophenol	10.166	266	72303	49.27	ppb	97
77) Phenanthrene	10.477	178	652049	46.87	ppb	99
78) Anthracene	10.557	178	664785	48.89	ppb	99
79) Carbazole	10.819	167	665005	44.08	ppb	99
80) Di-n-butylphthalate	11.429	149	847062	54.53	ppb	100
81) Fluoranthene	12.349	202	707563	50.08	ppb	99
82) Octadecane	10.364	57	407465	51.86	ppb	97
84) Pyrene	12.702	202	711365	50.53	ppb	99
86) Butylbenzylphthalate	13.819	149	369968	48.34	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61824.D
Acq On : 8 Jun 2014 4:44 pm
Operator : ashleyd
Sample : op75387-bs1
Misc : op75387,e3e2652,1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 09 15:58:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

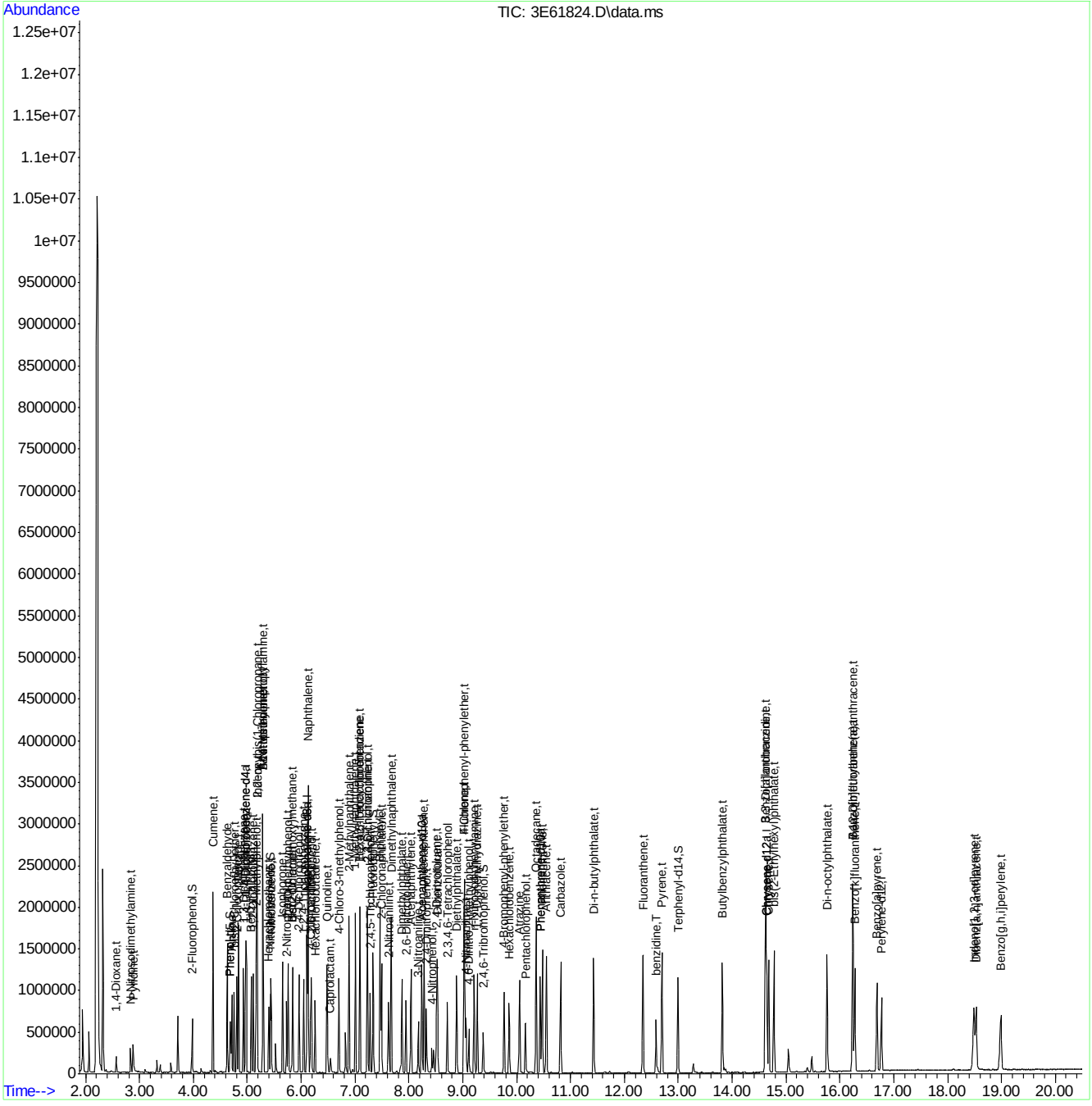
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.622	228	620242	48.68	ppb	99
89) 3,3'-Dichlorobenzidine	14.616	252	349465	78.14	ppb	98
90) Chrysene	14.681	228	535322	51.11	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.777	149	465703	55.06	ppb	100
93) Di-n-octylphthalate	15.761	149	841201	48.46	ppb	98
94) Benzo[b]fluoranthene	16.242	252	614263	51.32	ppb	99
95) Benzo[k]fluoranthene	16.280	252	533895	49.58	ppb	99
96) Benzo[a]pyrene	16.692	252	519921	52.84	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.489	276	540117	53.70	ppb	99
99) Dibenz[a,h]anthracene	18.532	278	511143	52.82	ppb	100
100) 7,12-Dimethylbenz(a)an...	16.242	256	293500	45.91	ppb	98
101) Benzo[g,h,i]perylene	18.992	276	520353	53.42	ppb	98
103) Benzaldehyde	4.625	105	259062	48.65	ppb	97
105) 1,2,4,5-Tetrachloroben...	7.096	216	169441	40.27	ppb	98
107) Atrazine	10.054	215	74539	57.92	ppb	91
109) benzidine	12.589	184	296128	39.08	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61824.D
Acq On : 8 Jun 2014 4:44 pm
Operator : ashleyd
Sample : op75387-bs1
Misc : op75387,e3e2652,1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 09 15:58:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 13:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64189.D
Acq On : 7 Jun 2014 5:24 pm
Operator : harpreek
Sample : op75376-ms
Misc : op75376,E2M2723,33.4,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 10 12:21:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.657	152	505714	40.00	ppb	-0.04
24) Naphthalene-d8	5.743	136	2057301	40.00	ppb	-0.05
47) Acenaphthene-d10	7.807	164	1148906	40.00	ppb	-0.05
69) Phenanthrene-d10	9.984	188	1684653	40.00	ppb	-0.05
83) Chrysene-d12	14.167	240	1302334	40.00	ppb	-0.05
92) Perylene-d12	16.285	264	1033628	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	4.657	152	505714	40.00	ppb	-0.04
104) Acenaphthene-d10a	7.807	164	1148906	40.00	ppb	-0.05
106) Chrysene-d12a	14.167	240	1302334	40.00	ppb	-0.04
108) Phenanthrene-d10a	9.984	188	1684653	40.00	ppb	-0.05
110) Naphthalene-d8a	5.769	136	211162	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.710	112	642533	32.11	ppb	-0.03
Spiked Amount 50.000			Recovery = 64.22%			
8) Phenol-d5	4.427	99	856644	34.36	ppb	-0.03
Spiked Amount 50.000			Recovery = 68.72%			
25) Nitrobenzene-d5	5.101	82	815104	34.88	ppb	-0.04
Spiked Amount 50.000			Recovery = 69.76%			
51) 2-Fluorobiphenyl	6.930	172	1244233	34.13	ppb	-0.05
Spiked Amount 50.000			Recovery = 68.26%			
73) 2,4,6-Tribromophenol	8.946	330	112029	35.43	ppb	-0.05
Spiked Amount 50.000			Recovery = 70.86%			
85) Terphenyl-d14	12.530	244	953838	34.96	ppb	-0.05
Spiked Amount 50.000			Recovery = 69.92%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.202	88	187978	18.77	ppb	97
3) Pyridine	2.533	79	593309	22.85	ppb	98
4) N-Nitrosodimethylamine	2.501	74	382591	26.58	ppb	95
6) Indene	4.860	116	1317031	34.12	ppb	99
7) Cumene	4.063	105	1789126	30.85	ppb	98
9) Phenol	4.438	94	1112698	35.07	ppb	91
10) Aniline	4.416	93	961005	31.16	ppb	97
11) bis(2-Chloroethyl)ether	4.459	93	712002	33.23	ppb	97
12) 2-Chlorophenol	4.518	128	678344	33.61	ppb	93
13) Decane	4.534	43	425601	28.94	ppb	86
14) 1,3-Dichlorobenzene	4.614	146	625406	28.13	ppb	97
15) 1,4-Dichlorobenzene	4.673	146	641360	28.58	ppb	98
16) Benzyl alcohol	4.775	108	522380	38.23	ppb	82
17) 1,2-Dichlorobenzene	4.791	146	612244	29.42	ppb	97
18) Acetophenone	4.972	105	1143367	34.83	ppb	93
19) 2-Methylphenol	4.882	108	741976	36.99	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.865	45	493741	30.84	ppb	97
21) 3&4-Methylphenol	5.005	108	783760	36.83	ppb	99
22) n-Nitroso-di-n-propyla...	4.972	70	533808	35.99	ppb	94
23) Hexachloroethane	5.058	201	163436	26.35	ppb	94
26) Nitrobenzene	5.117	77	836042	33.06	ppb	97
27) Quinoline	6.106	129	1643611	37.50	ppb	97
28) Isophorone	5.315	82	1454875	34.58	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64189.D
Acq On : 7 Jun 2014 5:24 pm
Operator : harpreek
Sample : op75376-ms
Misc : op75376,E2M2723,33.4,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 10 12:21:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.395	139	361136	34.39	ppb		87
30) 2,4-Dimethylphenol	5.443	107	847062	47.52	ppb		94
31) Benzoic acid	5.561	105	419013m	32.07	ppb		
32) bis(2-Chloroethoxy)met...	5.502	93	882395	36.87	ppb		98
33) 2,4-Dichlorophenol	5.630	162	574423	37.44	ppb		96
34) 2,6-Dichlorophenol	5.839	162	566933	37.86	ppb		99
36) 1,2,4-Trichlorobenzene	5.689	180	469879	30.10	ppb		97
38) Naphthalene	5.764	128	1809096	30.56	ppb		99
39) 4-Chloroaniline	5.823	127	721147	31.91	ppb		93
40) 2,3-Dichloroaniline	6.834	161	758000	36.71	ppb		96
41) Caprolactam	6.192	55	306452	40.72	ppb		92
42) Hexachlorobutadiene	5.887	225	241325	29.40	ppb		99
43) 4-Chloro-3-methylphenol	6.368	107	759732	40.12	ppb		95
44) 2-Methylnaphthalene	6.497	141	1179396	35.91	ppb		96
45) 1-Methylnaphthalene	6.609	142	1536242	36.62	ppb		97
46) Dimethylnaphthalene	7.256	156	1428817	38.35	ppb		96
48) Hexachlorocyclopentadiene	6.684	237	203789	29.07	ppb		98
49) 2,4,6-Trichlorophenol	6.855	196	359547	37.96	ppb		98
50) 2,4,5-Trichlorophenol	6.914	196	377921	38.21	ppb		99
52) 2-Chloronaphthalene	7.080	162	1145516	33.40	ppb		96
53) Biphenyl	7.058	154	1904689	37.82	ppb		99
54) 2-Nitroaniline	7.224	65	534812	45.61	ppb		84
55) Dimethylphthalate	7.460	163	1376660	36.31	ppb		98
56) Acenaphthylene	7.615	152	1766948	30.90	ppb		99
57) 2,6-Dinitrotoluene	7.545	165	299357	34.88	ppb		89
58) 3-Nitroaniline	7.775	138	380012	35.31	ppb		89
59) Acenaphthene	7.850	153	1292133	37.11	ppb		98
60) 2,4-Dinitrophenol	7.941	184	103668	22.77	ppb	#	61
61) 4-Nitrophenol	8.112	109	284929	50.44	ppb		91
62) Dibenzofuran	8.096	168	1829139	38.88	ppb		88
63) 2,4-Dinitrotoluene	8.112	165	407387	35.99	ppb		79
64) 2,3,4,6-Tetrachlorophenol	8.299	232	266181	37.41	ppb		84
65) Diethylphthalate	8.454	149	1485743	37.94	ppb		98
66) Fluorene	8.583	166	1417501	37.50	ppb		99
67) 4-Chlorophenyl-phenyle...	8.593	204	556902	36.00	ppb		87
68) 4-Nitroaniline	8.652	138	395916	37.47	ppb		84
70) 4,6-Dinitro-2-methylph...	8.716	198	86407	15.76	ppb		84
71) n-Nitrosodiphenylamine	8.781	169	970559	39.37	ppb		96
72) 1,2-Diphenylhydrazine	8.829	77	1933321	42.30	ppb		92
74) 4-Bromophenyl-phenylether	9.316	248	270920	36.06	ppb	#	81
75) Hexachlorobenzene	9.417	284	250958	32.16	ppb		78
76) Pentachlorophenol	9.743	266	150206	36.55	ppb		99
77) Phenanthrene	10.016	178	1852431	35.81	ppb		99
78) Anthracene	10.096	178	1912317	37.23	ppb		99
79) Carbazole	10.380	167	2021521	35.82	ppb		98
80) Di-n-butylphthalate	10.979	149	2379231	38.31	ppb		98
81) Fluoranthene	11.878	202	1690917	34.51	ppb		96
82) Octadecane	9.915	57	1008763	44.14	ppb		96
84) Pyrene	12.231	202	1727756	37.12	ppb		99
86) Butylbenzylphthalate	13.348	149	975274	39.61	ppb		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64189.D
Acq On : 7 Jun 2014 5:24 pm
Operator : harpreek
Sample : op75376-ms
Misc : op75376,E2M2723,33.4,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 10 12:21:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

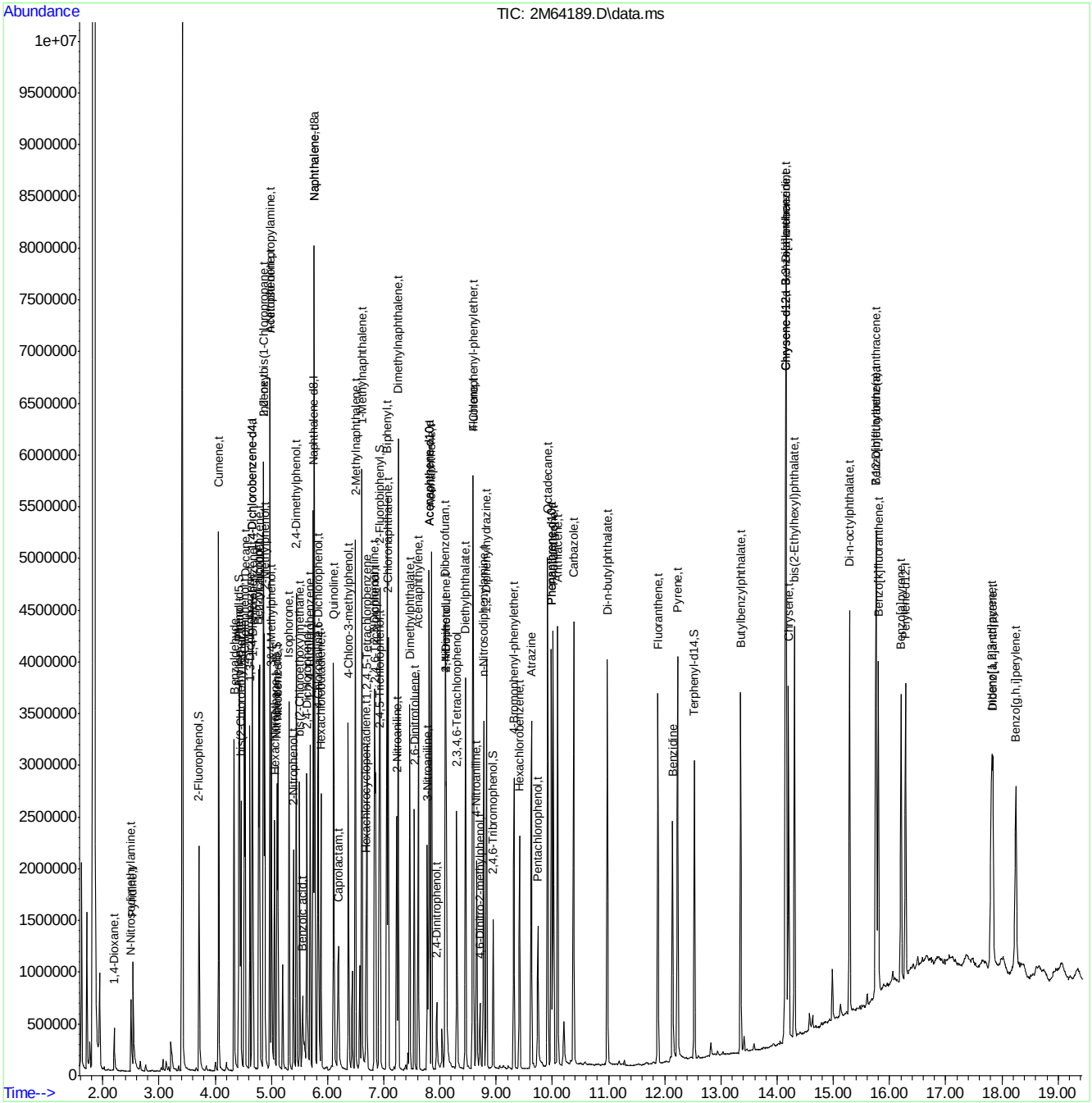
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.151	228	1400406	35.75	ppb	97
89) 3,3'-Dichlorobenzidine	14.156	252	977374	76.51	ppb	97
90) Chrysene	14.204	228	1363144	35.66	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.306	149	1355838	40.48	ppb	98
93) Di-n-octylphthalate	15.290	149	2393055	42.78	ppb	99
94) Benzo[b]fluoranthene	15.766	252	1344081	37.92	ppb	96
95) Benzo[k]fluoranthene	15.803	252	1263883	37.07	ppb	98
96) Benzo[a]pyrene	16.205	252	1173131	37.94	ppb	95
97) Indeno[1,2,3-cd]pyrene	17.814	276	1356240	36.82	ppb	98
99) Dibenz[a,h]anthracene	17.841	278	1121136	36.42	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.755	256	647975	40.38	ppb	90
101) Benzo[g,h,i]perylene	18.248	276	1104321	37.35	ppb	97
103) Benzaldehyde	4.336	105	604093	38.73	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.700	216	427654	33.41	ppb	98
107) Benzidine	12.140	184	1163447	45.68	ppb	99
109) Atrazine	9.626	215	193775	44.14	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64189.D
Acq On : 7 Jun 2014 5:24 pm
Operator : harpreek
Sample : op75376-ms
Misc : op75376,E2M2723,33.4,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 10 12:21:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

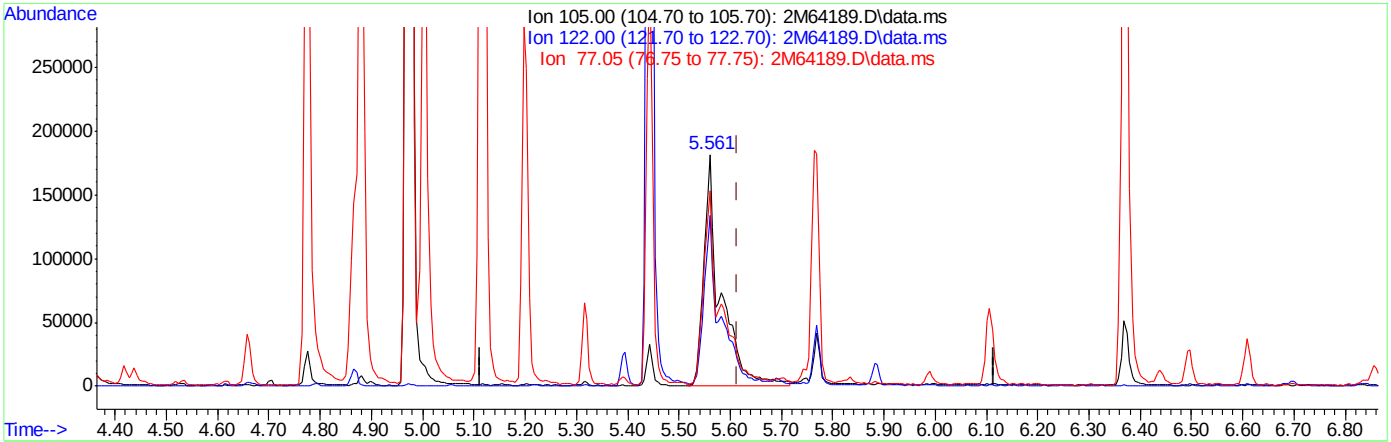
Sample Number:	OP75376-MS	**Method:**	SW846 8270D
Lab FileID:	2M64189.D	**Analyst approved:**	06/10/14 13:02 Nina Pandya
Injection Time:	06/07/14 17:24	**Supervisor approved:**	06/10/14 13:36 Nina Pandya

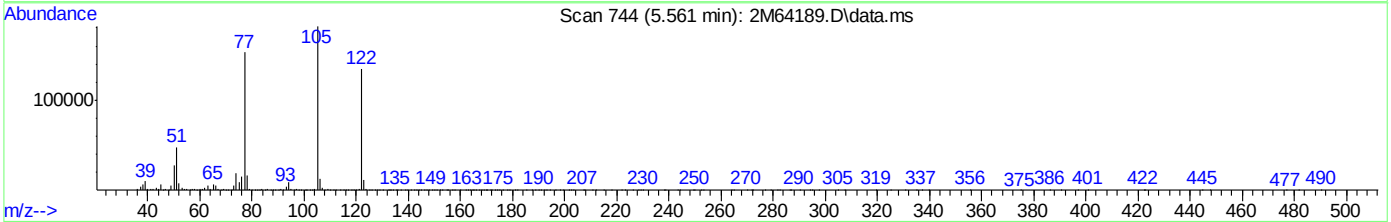
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.56	Poor instrument integration

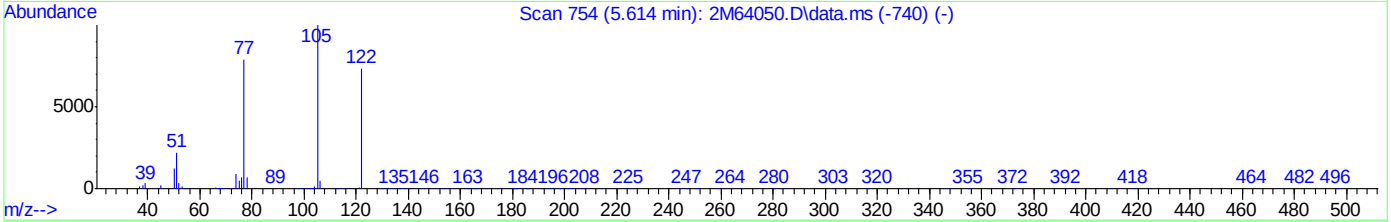
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64189.D
Acq On : 7 Jun 2014 5:24 pm
Operator : harpreek
Sample : op75376-ms
Misc : op75376,E2M2723,33.4,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 10 12:20:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration







TIC: 2M64189.D\data.ms

(31) Benzoic acid (t)

5.561min (-0.054) 32.07ppb m

response 419013

Ion	Exp%	Act%
105.00	100	100
122.00	72.90	73.66
77.05	75.00	84.19
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 13:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64190.D
Acq On : 7 Jun 2014 5:50 pm
Operator : harpreek
Sample : op75376-msd
Misc : op75376,E2M2723,30.9,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 12:22:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.657	152	562446	40.00	ppb	-0.04
24) Naphthalene-d8	5.743	136	2301328	40.00	ppb	-0.05
47) Acenaphthene-d10	7.807	164	1254476	40.00	ppb	-0.05
69) Phenanthrene-d10	9.984	188	1788495	40.00	ppb	-0.05
83) Chrysene-d12	14.167	240	1334118	40.00	ppb	-0.05
92) Perylene-d12	16.285	264	1023295	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	4.657	152	562446	40.00	ppb	-0.04
104) Acenaphthene-d10a	7.807	164	1254476	40.00	ppb	-0.05
106) Chrysene-d12a	14.167	240	1334118	40.00	ppb	-0.04
108) Phenanthrene-d10a	9.984	188	1788495	40.00	ppb	-0.05
110) Naphthalene-d8a	5.769	136	344565	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.710	112	866378	38.93	ppb	-0.03
Spiked Amount 50.000			Recovery = 77.86%			
8) Phenol-d5	4.427	99	1124503	40.56	ppb	-0.03
Spiked Amount 50.000			Recovery = 81.12%			
25) Nitrobenzene-d5	5.101	82	1094457	41.87	ppb	-0.04
Spiked Amount 50.000			Recovery = 83.74%			
51) 2-Fluorobiphenyl	6.930	172	1613706	40.54	ppb	-0.05
Spiked Amount 50.000			Recovery = 81.08%			
73) 2,4,6-Tribromophenol	8.946	330	135877	40.48	ppb	-0.05
Spiked Amount 50.000			Recovery = 80.96%			
85) Terphenyl-d14	12.530	244	1139957	40.78	ppb	-0.05
Spiked Amount 50.000			Recovery = 81.56%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.213	88	247619	22.23	ppb	98
3) Pyridine	2.539	79	748978	25.93	ppb	98
4) N-Nitrosodimethylamine	2.507	74	525676	32.83	ppb	97
6) Indene	4.855	116	1766162	41.14	ppb	98
7) Cumene	4.063	105	2395981	37.14	ppb	98
9) Phenol	4.438	94	1448392	41.05	ppb	93
10) Aniline	4.416	93	1179177	34.38	ppb	99
11) bis(2-Chloroethyl)ether	4.459	93	962721	40.40	ppb	98
12) 2-Chlorophenol	4.518	128	908466	40.47	ppb	94
13) Decane	4.534	43	565711	34.59	ppb	87
14) 1,3-Dichlorobenzene	4.614	146	851099	34.41	ppb	98
15) 1,4-Dichlorobenzene	4.673	146	874064	35.03	ppb	98
16) Benzyl alcohol	4.775	108	690029	45.40	ppb	82
17) 1,2-Dichlorobenzene	4.791	146	823759	35.59	ppb	99
18) Acetophenone	4.972	105	1527092	41.83	ppb	94
19) 2-Methylphenol	4.882	108	952709	42.71	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.865	45	670948	37.68	ppb	98
21) 3&4-Methylphenol	5.005	108	1005407	42.48	ppb	97
22) n-Nitroso-di-n-propyla...	4.978	70	704712	42.72	ppb	98
23) Hexachloroethane	5.058	201	222629	32.27	ppb	95
26) Nitrobenzene	5.117	77	1133278	40.06	ppb	97
27) Quinoline	6.106	129	2077224	42.37	ppb	97
28) Isophorone	5.315	82	1918493	40.77	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64190.D
Acq On : 7 Jun 2014 5:50 pm
Operator : harpreek
Sample : op75376-msd
Misc : op75376,E2M2723,30.9,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 12:22:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.395	139	473394	40.30	ppb		79
30) 2,4-Dimethylphenol	5.443	107	1065253	53.43	ppb		96
31) Benzoic acid	5.566	105	539759m	36.93	ppb		
32) bis(2-Chloroethoxy)met...	5.502	93	1182484	44.17	ppb		99
33) 2,4-Dichlorophenol	5.630	162	719610	41.93	ppb		96
34) 2,6-Dichlorophenol	5.839	162	714884	42.68	ppb		98
36) 1,2,4-Trichlorobenzene	5.689	180	635746	36.41	ppb		97
38) Naphthalene	5.764	128	2452311	37.03	ppb		100
39) 4-Chloroaniline	5.823	127	786264	31.10	ppb		92
40) 2,3-Dichloroaniline	6.834	161	922851	39.95	ppb		96
41) Caprolactam	6.203	55	380791	45.23	ppb		97
42) Hexachlorobutadiene	5.882	225	340246	37.05	ppb		97
43) 4-Chloro-3-methylphenol	6.374	107	937340	44.25	ppb		89
44) 2-Methylnaphthalene	6.497	141	1530499	41.66	ppb		97
45) 1-Methylnaphthalene	6.609	142	1994742	42.50	ppb		97
46) Dimethylnaphthalene	7.256	156	1805535	43.32	ppb		97
48) Hexachlorocyclopentadiene	6.684	237	326128	42.61	ppb		98
49) 2,4,6-Trichlorophenol	6.850	196	445876	43.11	ppb		98
50) 2,4,5-Trichlorophenol	6.914	196	459357	42.54	ppb		98
52) 2-Chloronaphthalene	7.080	162	1475975	39.41	ppb		96
53) Biphenyl	7.058	154	2437715	44.33	ppb		99
54) 2-Nitroaniline	7.230	65	668483	52.21	ppb		91
55) Dimethylphthalate	7.460	163	1742310	42.09	ppb		99
56) Acenaphthylene	7.615	152	2224099	35.62	ppb		100
57) 2,6-Dinitrotoluene	7.545	165	373034	39.80	ppb		88
58) 3-Nitroaniline	7.780	138	424536	36.13	ppb		94
59) Acenaphthene	7.850	153	1629778	42.87	ppb		99
60) 2,4-Dinitrophenol	7.941	184	167614	33.72	ppb	#	57
61) 4-Nitrophenol	8.112	109	346934	56.24	ppb		92
62) Dibenzofuran	8.096	168	2284647	44.47	ppb		88
63) 2,4-Dinitrotoluene	8.112	165	519648	42.05	ppb		81
64) 2,3,4,6-Tetrachlorophenol	8.299	232	321593	41.40	ppb		83
65) Diethylphthalate	8.454	149	1887751	44.15	ppb		98
66) Fluorene	8.583	166	1798274	43.57	ppb		98
67) 4-Chlorophenyl-phenyle...	8.593	204	704726	41.72	ppb		90
68) 4-Nitroaniline	8.652	138	471038	40.83	ppb		86
70) 4,6-Dinitro-2-methylph...	8.716	198	129995	22.33	ppb		88
71) n-Nitrosodiphenylamine	8.781	169	1217393	46.52	ppb		98
72) 1,2-Diphenylhydrazine	8.829	77	2402749	49.52	ppb		92
74) 4-Bromophenyl-phenylether	9.316	248	333746	41.84	ppb	#	81
75) Hexachlorobenzene	9.417	284	318793	38.48	ppb		83
76) Pentachlorophenol	9.743	266	178014	40.80	ppb		97
77) Phenanthrene	10.016	178	2242674	40.84	ppb		98
78) Anthracene	10.096	178	2340554	42.92	ppb		100
79) Carbazole	10.380	167	2442112	40.77	ppb		98
80) Di-n-butylphthalate	10.979	149	2957445	44.86	ppb		98
81) Fluoranthene	11.878	202	1982812	38.11	ppb		96
82) Octadecane	9.915	57	1239092	51.07	ppb		95
84) Pyrene	12.231	202	2082911	43.69	ppb		99
86) Butylbenzylphthalate	13.354	149	1167074	46.27	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64190.D
Acq On : 7 Jun 2014 5:50 pm
Operator : harpreek
Sample : op75376-msd
Misc : op75376,E2M2723,30.9,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 12:22:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

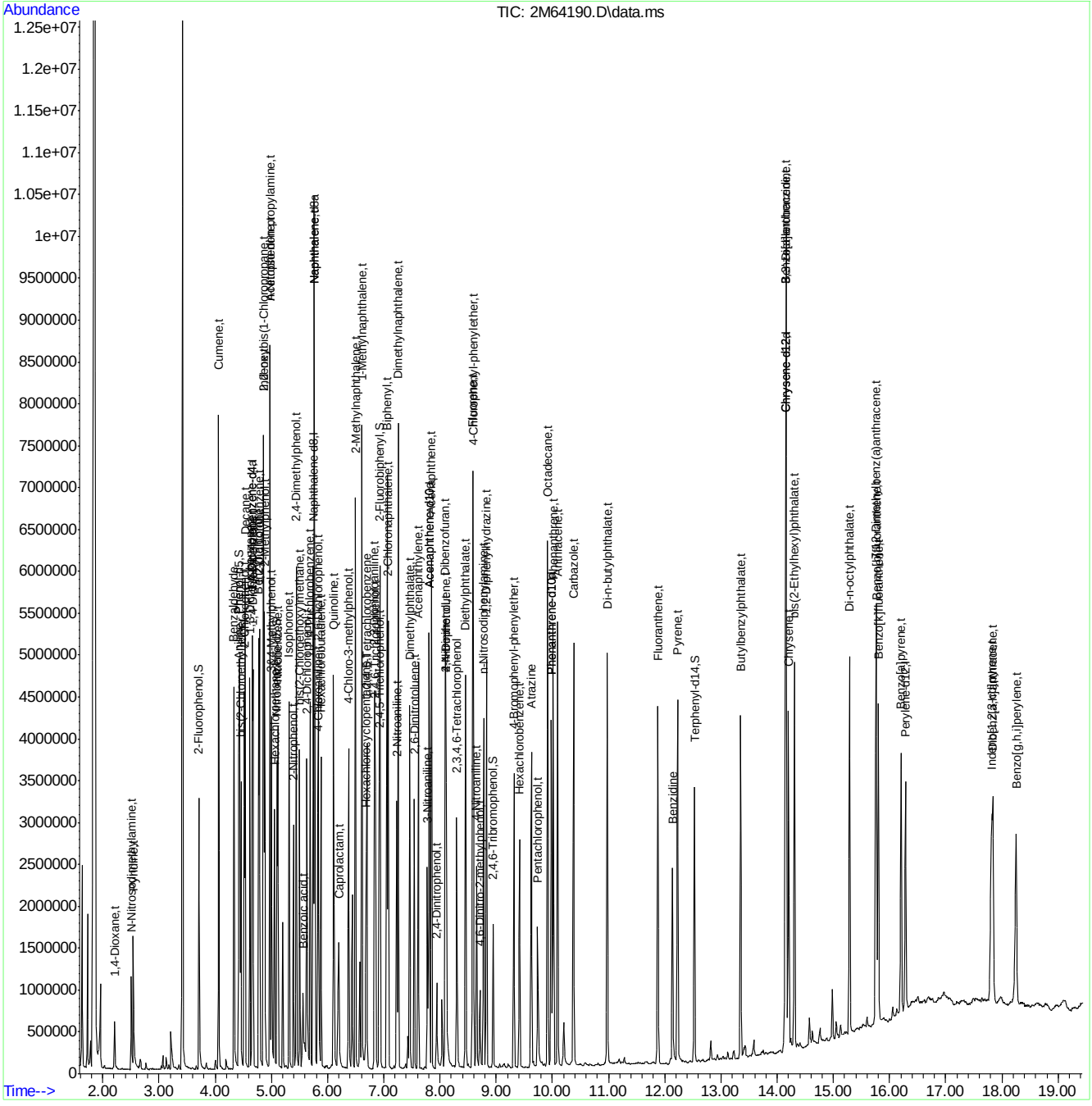
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.151	228	1663693	41.46	ppb	97
89) 3,3'-Dichlorobenzidine	14.156	252	1173869	89.70	ppb	98
90) Chrysene	14.210	228	1605069	40.99	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.306	149	1598756	46.60	ppb	99
93) Di-n-octylphthalate	15.290	149	2811634	50.77	ppb	99
94) Benzo[b]fluoranthene	15.771	252	1632305	46.52	ppb	99
95) Benzo[k]fluoranthene	15.803	252	1427982	42.31	ppb	98
96) Benzo[a]pyrene	16.205	252	1377030	44.99	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.815	276	1610327	44.16	ppb	98
99) Dibenz[a,h]anthracene	17.841	278	1335975	43.84	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.755	256	772883	47.72	ppb	94
101) Benzo[g,h,i]perylene	18.253	276	1318269	45.03	ppb	99
103) Benzaldehyde	4.331	105	787997	45.43	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.700	216	561861	40.20	ppb	98
107) Benzidine	12.140	184	1203079	46.11	ppb	99
109) Atrazine	9.626	215	235537	50.54	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64190.D
Acq On : 7 Jun 2014 5:50 pm
Operator : harpreek
Sample : op75376-msd
Misc : op75376,E2M2723,30.9,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 12:22:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



Manual Integration Approval Summary

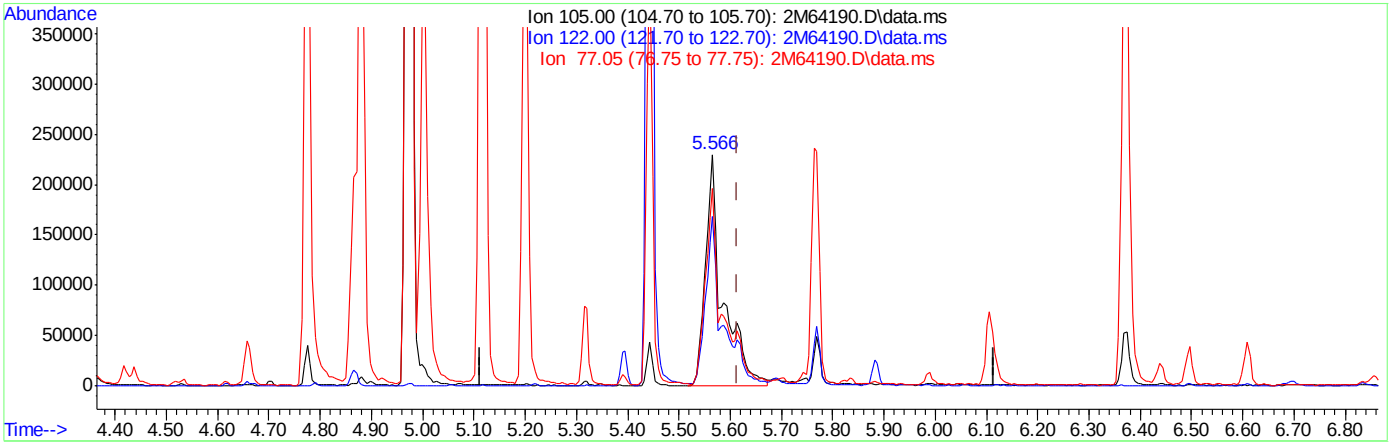
Sample Number:	OP75376-MSD	**Method:**	SW846 8270D
Lab FileID:	2M64190.D	**Analyst approved:**	06/10/14 13:02 Nina Pandya
Injection Time:	06/07/14 17:50	**Supervisor approved:**	06/10/14 13:36 Nina Pandya

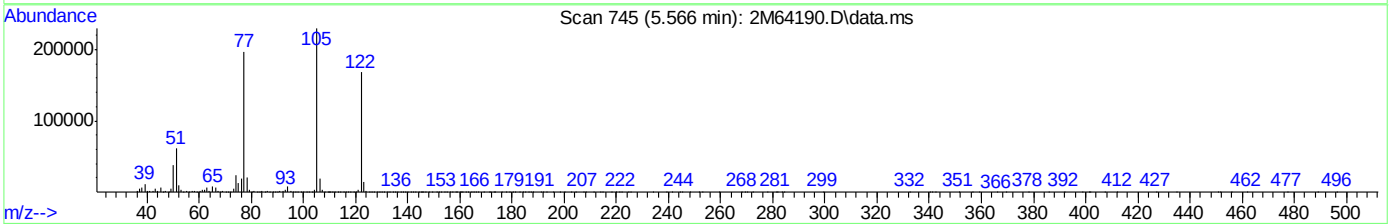
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.57	Poor instrument integration

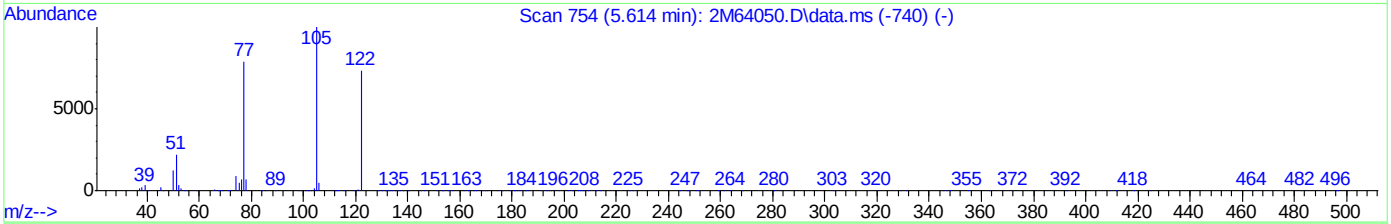
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64190.D
Acq On : 7 Jun 2014 5:50 pm
Operator : harpreek
Sample : op75376-msd
Misc : op75376,E2M2723,30.9,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 07 18:09:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration







TIC: 2M64190.D\data.ms

(31) Benzoic acid (t)

5.566min (-0.048) 36.93ppb m

response 539759

Ion	Exp%	Act%
105.00	100	100
122.00	72.90	73.21
77.05	75.00	85.35
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao 06/16/14 23:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61861.D
Acq On : 9 Jun 2014 5:34 pm
Operator : saumilp
Sample : op75387-ms
Misc : op75387,e3e2653,500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 11 18:08:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.952	152	156130	40.00	ppb		-0.03
24) Naphthalene-d8	6.091	136	664375	40.00	ppb		-0.03
47) Acenaphthene-d10	8.220	164	272838	40.00	ppb		-0.04
69) Phenanthrene-d10	10.418	188	392948	40.00	ppb		-0.04
83) Chrysene-d12	14.622	240	329840	40.00	ppb		-0.04
92) Perylene-d12	16.745	264	277905	40.00	ppb		-0.05
102) 1,4-Dichlorobenzene-d4a	4.952	152	156130	40.00	ppb		-0.03
104) Acenaphthene-d10a	8.220	164	272838	40.00	ppb		-0.04
106) Phenanthrene-d10a	10.418	188	392948	40.00	ppb		-0.04
108) Chrysene-d12a	14.622	240	329840	40.00	ppb		-0.03
110) Naphthalene-d8a	6.091	136	664375	40.00	ppb		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	3.967	112	158169	29.98	ppb		-0.01
Spiked Amount 50.000			Recovery = 59.96%				
8) Phenol-d5	4.668	99	158666	24.27	ppb		-0.01
Spiked Amount 50.000			Recovery = 48.54%				
25) Nitrobenzene-d5	5.412	82	228032	39.61	ppb		-0.03
Spiked Amount 50.000			Recovery = 79.22%				
51) 2-Fluorobiphenyl	7.316	172	365756	43.69	ppb		-0.04
Spiked Amount 50.000			Recovery = 87.38%				
73) 2,4,6-Tribromophenol	9.364	330	36791	53.49	ppb		-0.03
Spiked Amount 50.000			Recovery = 106.98%				
85) Terphenyl-d14	12.975	244	308075	44.17	ppb		-0.04
Spiked Amount 50.000			Recovery = 88.34%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.550	88	74512	26.47	ppb		98
3) Pyridine	2.866	79	118443	17.13	ppb		90
4) N-Nitrosodimethylamine	2.817	74	124592	32.40	ppb		80
6) Indene	5.165	116	459324	44.26	ppb		100
7) Cumene	4.347	105	585737	40.06	ppb		96
9) Phenol	4.679	94	197949	26.28	ppb		97
10) Aniline	4.695	93	185549	23.13	ppb		96
11) bis(2-Chloroethyl)ether	4.738	93	232443	43.85	ppb		95
12) 2-Chlorophenol	4.791	128	228541	39.08	ppb		95
13) Decane	4.823	43	288190	45.49	ppb		92
14) 1,3-Dichlorobenzene	4.914	146	228704	36.59	ppb		98
15) 1,4-Dichlorobenzene	4.968	146	229903	37.01	ppb		97
16) Benzyl alcohol	5.059	108	158857	42.31	ppb		94
17) 1,2-Dichlorobenzene	5.096	146	220226	38.26	ppb		97
18) Acetophenone	5.278	105	361811	44.10	ppb		89
19) 2-Methylphenol	5.149	108	197951	39.68	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.165	121	85932	43.64	ppb	#	76
21) 3&4-Methylphenol	5.272	108	201735	38.15	ppb		97
22) n-Nitroso-di-n-propyla...	5.278	70	173433	47.62	ppb		94
23) Hexachloroethane	5.379	201	63328	37.25	ppb		99
26) Nitrobenzene	5.428	77	253939	39.33	ppb		95
27) Quinoline	6.465	129	445221	33.67	ppb		99
28) Isophorone	5.636	82	433195	39.16	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61861.D
Acq On : 9 Jun 2014 5:34 pm
Operator : saumilp
Sample : op75387-ms
Misc : op75387,e3e2653,500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 11 18:08:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.716	139	126987	40.82	ppb		95
30) 2,4-Dimethylphenol	5.743	107	208408	42.63	ppb		99
31) Benzoic acid	5.839	105	113848	27.43	ppb		99
32) bis(2-Chloroethoxy)met...	5.829	93	269311	40.61	ppb		99
33) 2,4-Dichlorophenol	5.946	162	171097	37.40	ppb		99
34) 2,6-Dichlorophenol	6.171	162	164541	37.06	ppb		96
36) 1,2,4-Trichlorobenzene	6.032	180	165972	33.08	ppb		99
38) Naphthalene	6.112	128	649305	36.15	ppb		99
39) 4-Chloroaniline	6.160	127	171816	22.90	ppb		99
40) 2,3-Dichloroaniline	7.209	161	208691	33.44	ppb		99
41) Caprolactam	6.529	55	59208	19.70	ppb		96
42) Hexachlorobutadiene	6.241	225	76401	33.40	ppb		99
43) 4-Chloro-3-methylphenol	6.684	107	192642	39.70	ppb		99
44) 2-Methylnaphthalene	6.872	141	385279	36.87	ppb		99
45) 1-Methylnaphthalene	6.989	141	425472	37.26	ppb		99
46) Dimethylnaphthalene	7.653	156	416012	36.52	ppb		100
48) Hexachlorocyclopentadiene	7.070	237	168493	90.40	ppb		100
49) 2,4,6-Trichlorophenol	7.214	196	108714	50.60	ppb		98
50) 2,4,5-Trichlorophenol	7.262	196	109515	48.68	ppb		100
52) 2-Chloronaphthalene	7.471	162	340879	44.15	ppb		99
53) Biphenyl	7.444	154	551982	46.97	ppb		100
54) 2-Nitroaniline	7.604	65	141349	58.02	ppb		98
55) Dimethylphthalate	7.851	163	411978	50.34	ppb		99
56) Acenaphthylene	8.022	152	511417	40.74	ppb		99
57) 2,6-Dinitrotoluene	7.931	165	92890	49.08	ppb		95
58) 3-Nitroaniline	8.155	138	89629	40.03	ppb		93
59) Acenaphthene	8.262	153	400625	49.88	ppb		98
60) 2,4-Dinitrophenol	8.310	184	90738	98.21	ppb	#	84
61) 4-Nitrophenol	8.417	109	43856	38.22	ppb		94
62) Dibenzofuran	8.508	168	497671	46.46	ppb		97
63) 2,4-Dinitrotoluene	8.498	165	128485	49.46	ppb		86
64) 2,3,4,6-Tetrachlorophenol	8.696	232	79831	50.12	ppb		96
65) Diethylphthalate	8.867	149	436593	53.96	ppb		99
66) Fluorene	9.006	166	444603	50.25	ppb		99
67) 4-Chlorophenyl-phenyle...	9.011	204	178324	48.93	ppb		98
68) 4-Nitroaniline	9.043	138	116173	50.67	ppb		96
70) 4,6-Dinitro-2-methylph...	9.097	198	56512	52.43	ppb		97
71) n-Nitrosodiphenylamine	9.193	169	297224	53.36	ppb		99
72) 1,2-Diphenylhydrazine	9.252	77	493323	55.77	ppb		96
74) 4-Bromophenyl-phenylether	9.749	248	92669	50.69	ppb		97
75) Hexachlorobenzene	9.840	284	89992	46.85	ppb		96
76) Pentachlorophenol	10.145	266	60118	51.41	ppb		98
77) Phenanthrene	10.455	178	549732	49.60	ppb		99
78) Anthracene	10.536	178	551342	50.89	ppb		99
79) Carbazole	10.798	167	560498	46.63	ppb		100
80) Di-n-butylphthalate	11.413	149	738306	59.65	ppb		99
81) Fluoranthene	12.327	202	585175	51.98	ppb		99
82) Octadecane	10.343	57	344577	55.04	ppb		94
84) Pyrene	12.680	202	595186	52.82	ppb		99
86) Butylbenzylphthalate	13.798	149	324144	52.58	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61861.D
Acq On : 9 Jun 2014 5:34 pm
Operator : saumilp
Sample : op75387-ms
Misc : op75387,e3e2653,500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 11 18:08:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

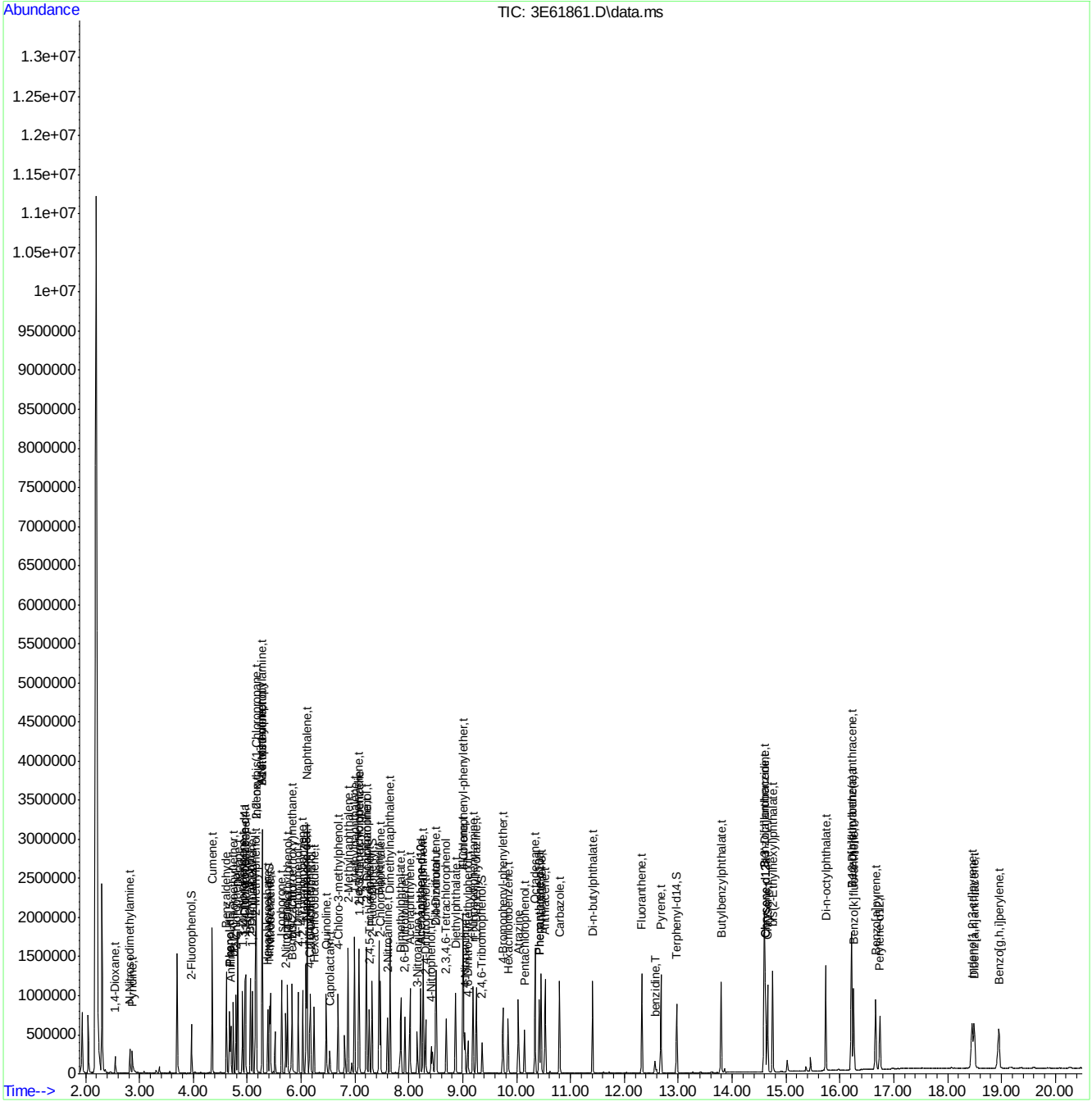
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
88) Benzo[a]anthracene	14.606	228	520853	51.08 ppb	100
89) 3,3'-Dichlorobenzidine	14.595	252	280663	78.40 ppb	99
90) Chrysene	14.659	228	441164	52.62 ppb	100
91) bis(2-Ethylhexyl)phtha...	14.756	149	419554	61.98 ppb	99
93) Di-n-octylphthalate	15.740	149	753584	54.71 ppb	97
94) Benzo[b]fluoranthene	16.221	252	497122	52.96 ppb	98
95) Benzo[k]fluoranthene	16.259	252	424756m	50.30 ppb	
96) Benzo[a]pyrene	16.665	252	409584	53.08 ppb	98
97) Indeno[1,2,3-cd]pyrene	18.457	276	406297	51.51 ppb	99
99) Dibenz[a,h]anthracene	18.500	278	373051	49.15 ppb	99
100) 7,12-Dimethylbenz(a)an...	16.221	256	228465	45.63 ppb	98
101) Benzo[g,h,i]perylene	18.954	276	380750	49.85 ppb	98
103) Benzaldehyde	4.615	105	205509	49.26 ppb	98
105) 1,2,4,5-Tetrachloroben...	7.080	216	140618	42.46 ppb	100
107) Atrazine	10.038	215	62349	60.81 ppb	95
109) benzidine	12.568	184	71355	11.76 ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61861.D
Acq On : 9 Jun 2014 5:34 pm
Operator : saumilp
Sample : op75387-ms
Misc : op75387,e3e2653,500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 11 18:08:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Manual Integration Approval Summary

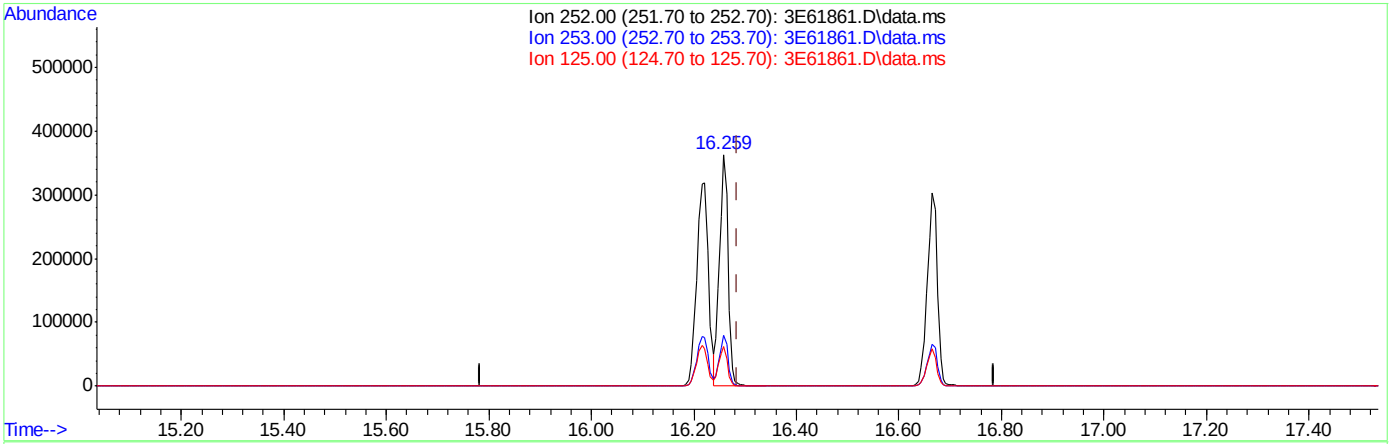
Sample Number:	OP75387-MS	**Method:**	SW846 8270D
Lab FileID:	3E61861.D	**Analyst approved:**	06/11/14 18:27 Andrew Lee Smith
Injection Time:	06/09/14 17:34	**Supervisor approved:**	06/16/14 23:14 Cheng-Hwan Ao

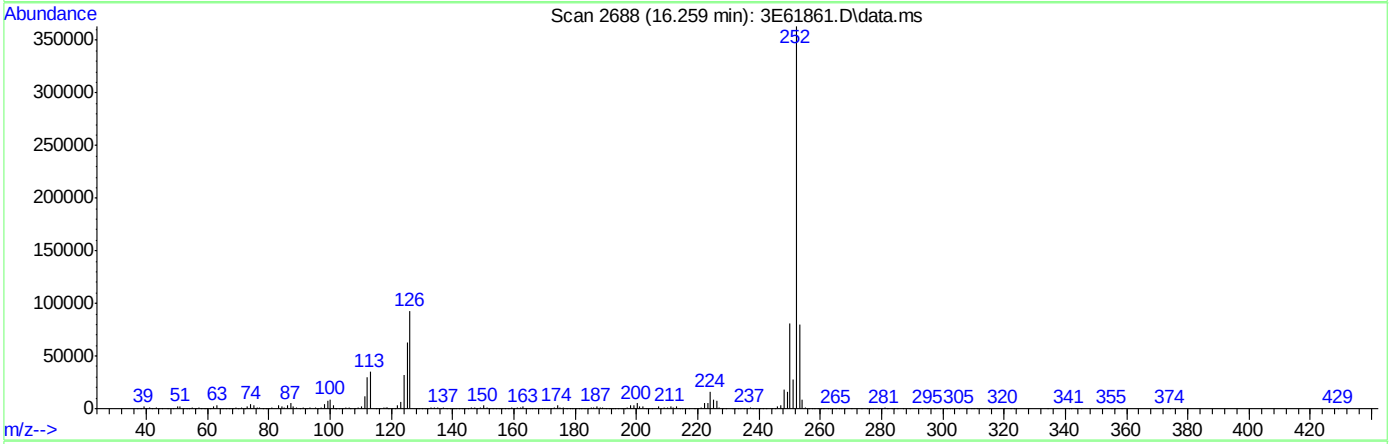
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		16.26	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61861.D
Acq On : 9 Jun 2014 5:34 pm
Operator : saumilp
Sample : op75387-ms
Misc : op75387,e3e2653,500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 13:07:16 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration





TIC: 3E61861.D\data.ms

(95) Benzo[k]fluoranthene (t)

16.259min (-0.027) 50.30ppb m

response 424756

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.02
125.00	16.40	17.24
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/16/14 23:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61862.D
Acq On : 9 Jun 2014 6:01 pm
Operator : saumilp
Sample : op75387-msd
Misc : op75387,e3e2653,500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 11 18:09:05 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	4.951	152	154896	40.00	ppb	-0.03
24) Naphthalene-d8	6.091	136	662948	40.00	ppb	-0.03
47) Acenaphthene-d10	8.219	164	272501	40.00	ppb	-0.04
69) Phenanthrene-d10	10.418	188	393887	40.00	ppb	-0.04
83) Chrysene-d12	14.622	240	331779	40.00	ppb	-0.04
92) Perylene-d12	16.745	264	279999	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	4.951	152	154896	40.00	ppb	-0.03
104) Acenaphthene-d10a	8.219	164	272501	40.00	ppb	-0.04
106) Phenanthrene-d10a	10.418	188	393887	40.00	ppb	-0.04
108) Chrysene-d12a	14.622	240	331779	40.00	ppb	-0.03
110) Naphthalene-d8a	6.091	136	662948	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	162599	31.06	ppb	-0.01
Spiked Amount 50.000			Recovery =	62.12%		
8) Phenol-d5	4.668	99	160994	24.83	ppb	-0.01
Spiked Amount 50.000			Recovery =	49.66%		
25) Nitrobenzene-d5	5.411	82	232039	40.39	ppb	-0.03
Spiked Amount 50.000			Recovery =	80.78%		
51) 2-Fluorobiphenyl	7.316	172	359928	43.05	ppb	-0.04
Spiked Amount 50.000			Recovery =	86.10%		
73) 2,4,6-Tribromophenol	9.364	330	36610	53.10	ppb	-0.03
Spiked Amount 50.000			Recovery =	106.20%		
85) Terphenyl-d14	12.974	244	336322	47.94	ppb	-0.04
Spiked Amount 50.000			Recovery =	95.88%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.550	88	75364	26.99	ppb	97
3) Pyridine	2.865	79	158388	23.08	ppb	85
4) N-Nitrosodimethylamine	2.817	74	125049	32.78	ppb	79
6) Indene	5.165	116	467461	45.40	ppb	100
7) Cumene	4.347	105	603636	41.61	ppb	96
9) Phenol	4.679	94	201652	26.98	ppb	97
10) Aniline	4.695	93	207981	26.14	ppb	96
11) bis(2-Chloroethyl)ether	4.738	93	240674	45.76	ppb	97
12) 2-Chlorophenol	4.791	128	236527	40.77	ppb	95
13) Decane	4.823	43	306467	48.76	ppb	91
14) 1,3-Dichlorobenzene	4.909	146	241096	38.88	ppb	100
15) 1,4-Dichlorobenzene	4.968	146	241598	39.20	ppb	99
16) Benzyl alcohol	5.058	108	160858	43.18	ppb	95
17) 1,2-Dichlorobenzene	5.091	146	230956	40.44	ppb	97
18) Acetophenone	5.278	105	371043	45.58	ppb	89
19) 2-Methylphenol	5.149	108	201761	40.76	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.165	121	87754	44.92	ppb #	73
21) 3&4-Methylphenol	5.272	108	205551	39.18	ppb	97
22) n-Nitroso-di-n-propyla...	5.278	70	176981	48.98	ppb	95
23) Hexachloroethane	5.379	201	67123	39.80	ppb	98
26) Nitrobenzene	5.428	77	257694	40.00	ppb	95
27) Quinoline	6.465	129	473589	35.89	ppb	100
28) Isophorone	5.636	82	445271	40.34	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61862.D
Acq On : 9 Jun 2014 6:01 pm
Operator : saumilp
Sample : op75387-msd
Misc : op75387,e3e2653,500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 11 18:09:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.716	139	129146	41.61	ppb		97
30) 2,4-Dimethylphenol	5.743	107	207035	42.44	ppb		99
31) Benzoic acid	5.839	105	119323	28.64	ppb		98
32) bis(2-Chloroethoxy)met...	5.829	93	273699	41.36	ppb		99
33) 2,4-Dichlorophenol	5.946	162	173316	37.96	ppb		99
34) 2,6-Dichlorophenol	6.171	162	165237	37.30	ppb		96
36) 1,2,4-Trichlorobenzene	6.032	180	170607	34.07	ppb		99
38) Naphthalene	6.112	128	664931	37.10	ppb		99
39) 4-Chloroaniline	6.160	127	172763	23.08	ppb		98
40) 2,3-Dichloroaniline	7.209	161	207566	33.33	ppb		97
41) Caprolactam	6.529	55	55269	18.43	ppb		96
42) Hexachlorobutadiene	6.240	225	79223	34.71	ppb		99
43) 4-Chloro-3-methylphenol	6.684	107	197993	40.89	ppb		100
44) 2-Methylnaphthalene	6.872	141	392704	37.67	ppb		98
45) 1-Methylnaphthalene	6.989	141	428884	37.64	ppb		98
46) Dimethylnaphthalene	7.653	156	417534	36.74	ppb		99
48) Hexachlorocyclopentadiene	7.070	237	173037	92.95	ppb		99
49) 2,4,6-Trichlorophenol	7.214	196	109054	50.83	ppb		98
50) 2,4,5-Trichlorophenol	7.262	196	111000	49.40	ppb		99
52) 2-Chloronaphthalene	7.471	162	343761	44.58	ppb		99
53) Biphenyl	7.444	154	554990	47.29	ppb		100
54) 2-Nitroaniline	7.604	65	144785	59.51	ppb		96
55) Dimethylphthalate	7.850	163	408540	49.98	ppb		100
56) Acenaphthylene	8.022	152	512454	40.88	ppb		99
57) 2,6-Dinitrotoluene	7.931	165	93290	49.35	ppb		98
58) 3-Nitroaniline	8.155	138	84936	37.98	ppb		96
59) Acenaphthene	8.262	153	401505	50.05	ppb		99
60) 2,4-Dinitrophenol	8.310	184	93433	100.89	ppb	#	77
61) 4-Nitrophenol	8.417	109	44325	38.67	ppb		91
62) Dibenzofuran	8.508	168	502276	46.95	ppb		97
63) 2,4-Dinitrotoluene	8.498	165	125373	48.34	ppb		86
64) 2,3,4,6-Tetrachlorophenol	8.696	232	80144	50.38	ppb		97
65) Diethylphthalate	8.867	149	433758	53.68	ppb		98
66) Fluorene	9.006	166	438820	49.66	ppb		100
67) 4-Chlorophenyl-phenyle...	9.011	204	177548	48.77	ppb		98
68) 4-Nitroaniline	9.043	138	116129	50.71	ppb		97
70) 4,6-Dinitro-2-methylph...	9.097	198	58459	54.11	ppb		95
71) n-Nitrosodiphenylamine	9.193	169	294936	52.82	ppb		98
72) 1,2-Diphenylhydrazine	9.252	77	494730	55.79	ppb		97
74) 4-Bromophenyl-phenylether	9.749	248	91654	50.02	ppb		98
75) Hexachlorobenzene	9.840	284	87675	45.54	ppb		98
76) Pentachlorophenol	10.145	266	59747	50.97	ppb		99
77) Phenanthrene	10.455	178	536231	48.26	ppb		99
78) Anthracene	10.535	178	550223	50.67	ppb		99
79) Carbazole	10.798	167	563279	46.75	ppb		100
80) Di-n-butylphthalate	11.413	149	740156	59.66	ppb		99
81) Fluoranthene	12.327	202	579312	51.34	ppb		99
82) Octadecane	10.343	57	384380	61.25	ppb		94
84) Pyrene	12.680	202	582478	51.39	ppb		99
86) Butylbenzylphthalate	13.798	149	325155	52.45	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61862.D
Acq On : 9 Jun 2014 6:01 pm
Operator : saumilp
Sample : op75387-msd
Misc : op75387,e3e2653,500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 11 18:09:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

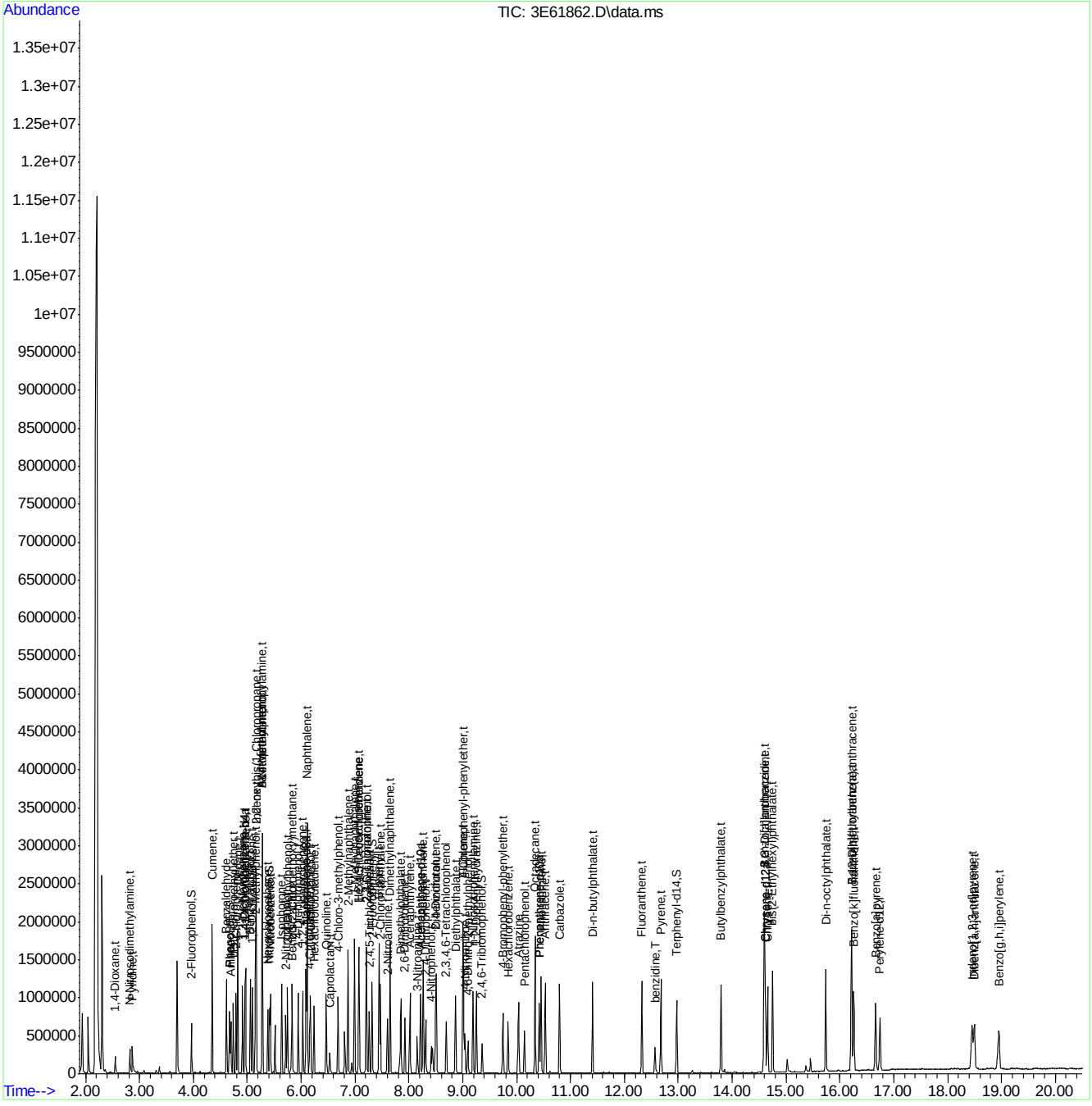
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.600	228	514511	50.16	ppb	99
89) 3,3'-Dichlorobenzidine	14.595	252	285050	79.16	ppb	99
90) Chrysene	14.659	228	439608	52.13	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.756	149	424231	62.30	ppb	99
93) Di-n-octylphthalate	15.740	149	750935	54.16	ppb	97
94) Benzo[b]fluoranthene	16.221	252	499408	52.80	ppb	98
95) Benzo[k]fluoranthene	16.258	252	421477m	49.54	ppb	
96) Benzo[a]pyrene	16.665	252	409821	52.72	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.457	276	409623	51.55	ppb	99
99) Dibenz[a,h]anthracene	18.500	278	378599	49.51	ppb	100
100) 7,12-Dimethylbenz(a)an...	16.221	256	245385	48.06	ppb	98
101) Benzo[g,h,i]perylene	18.954	276	384799	50.00	ppb	98
103) Benzaldehyde	4.614	105	202602	48.95	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.075	216	142107	42.96	ppb	98
107) Atrazine	10.038	215	61722	60.05	ppb	92
109) benzidine	12.568	184	150027	24.59	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61862.D
Acq On : 9 Jun 2014 6:01 pm
Operator : saumilp
Sample : op75387-msd
Misc : op75387,e3e2653,500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 11 18:09:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Manual Integration Approval Summary

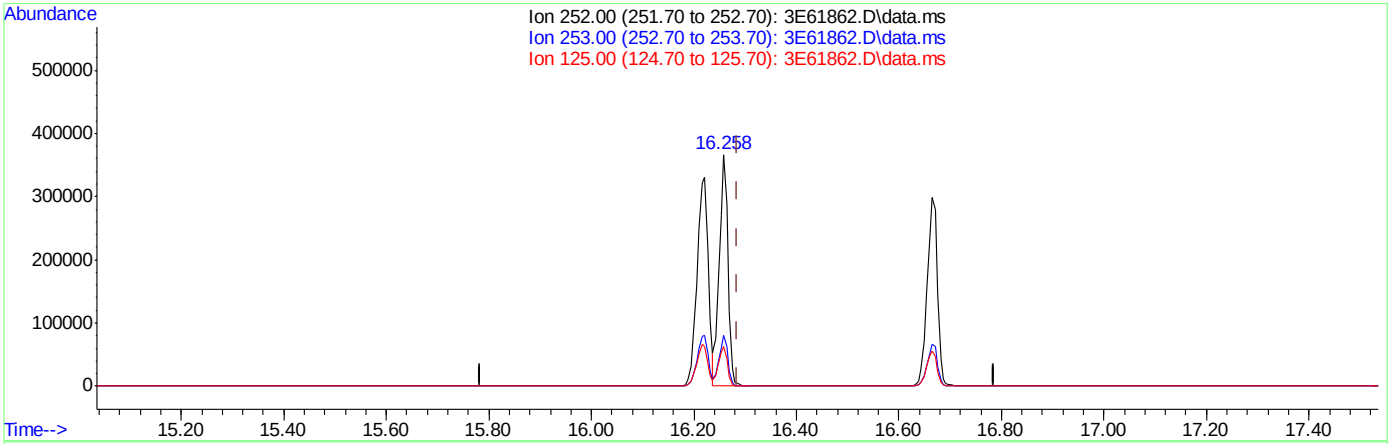
Sample Number:	OP75387-MSD	**Method:**	SW846 8270D
Lab FileID:	3E61862.D	**Analyst approved:**	06/11/14 18:27 Andrew Lee Smith
Injection Time:	06/09/14 18:01	**Supervisor approved:**	06/16/14 23:14 Cheng-Hwan Ao

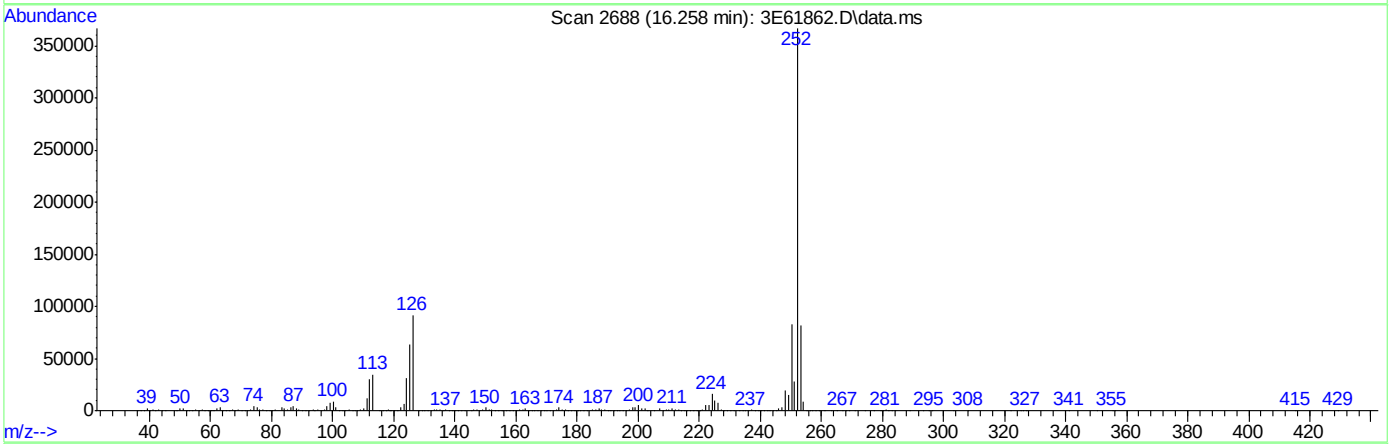
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		16.26	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61862.D
Acq On : 9 Jun 2014 6:01 pm
Operator : saumilp
Sample : op75387-msd
Misc : op75387,e3e2653,500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 13:07:18 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration





TIC: 3E61862.D\data.ms

(95) Benzo[k]fluoranthene (t)

16.258min (-0.027) 49.54ppb m

response 421477

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.17
125.00	16.40	17.24
0.00	0.00	0.00

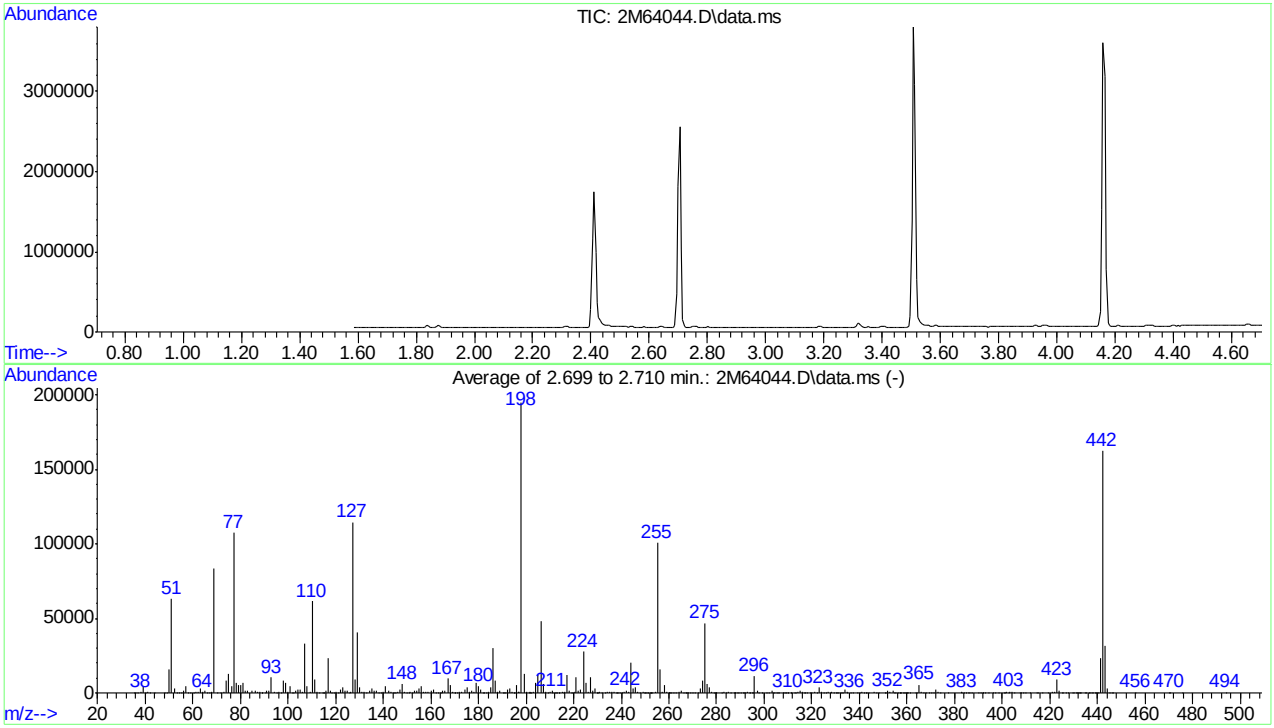
ACCUTEST LABORATORIES JB68318

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64044.D
Acq On : 3 Jun 2014 12:26 pm
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2718,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
Last Update : Thu Apr 24 10:21:01 2014



AutoFind: Scans 209, 210, 211; Background Corrected with Scan 204

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.4	63157	PASS
68	69	0.00	2	1.4	1129	PASS
69	198	0.00	100	42.9	83578	PASS
70	69	0.00	2	0.4	349	PASS
127	198	40	60	58.8	114615	PASS
197	198	0.00	1	0.4	849	PASS
198	198	100	100	100.0	194770	PASS
199	198	5	9	6.6	12801	PASS
275	198	10	30	24.0	46653	PASS
365	198	1	100	2.8	5445	PASS
441	443	0.10	100	74.5	23267	PASS
442	198	40	100	83.4	162368	PASS
443	442	17	23	19.2	31237	PASS

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	176	50.05	16027	61.05	613	72.95	595
35.90	53	51.05	63157	62.00	894	74.10	8131
36.95	147	52.05	2761	63.05	3005	75.05	13095
38.00	647	53.05	10	64.00	417	76.10	4575
39.10	4234	53.95	8	65.00	1312	77.10	107257
40.00	127	54.95	232	65.95	359	78.05	7032
41.00	580	56.00	1503	67.05	167	79.00	5546
42.15	184	56.95	4501	68.00	1129	80.00	5455
43.95	139	57.90	203	69.00	83578	81.00	7021
48.00	28	58.90	71	70.00	349	82.00	1441
49.00	327	60.30	45	71.80	58	83.00	1764

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.00	1571	95.00	239	105.05	2146	115.00	215
86.00	1880	96.00	427	106.00	724	116.00	1589
87.00	741	97.10	202	107.00	33278	116.95	22993
87.90	683	98.05	8474	108.00	4907	117.95	1429
88.95	140	99.05	6487	109.05	853	118.20	258
89.20	147	100.00	673	110.00	61448	119.05	368
90.20	38	101.00	4200	111.00	9054	120.00	617
91.05	1357	101.85	169	112.00	1115	121.00	304
92.00	1535	102.10	84	112.95	238	122.00	2112
93.00	10447	103.00	1548	114.50	49	123.00	3532
94.00	765	104.05	2565	114.80	66	123.95	1560

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.00	1517	135.00	3287	145.10	44	155.10	2868
125.90	142	136.05	1187	146.10	937	156.10	4746
126.10	421	137.00	1870	146.95	2571	157.05	938
127.05	114615	138.05	311	148.10	5791	158.00	856
128.05	8688	139.10	110	148.95	808	158.95	457
128.95	40459	140.00	478	150.00	198	160.05	1709
130.00	3526	141.05	4576	150.90	193	161.00	2363
131.05	743	142.05	1596	151.20	566	162.05	385
132.05	484	142.95	1015	152.10	396	163.00	280
133.00	243	144.05	227	153.10	1334	164.00	247
134.00	1176	144.80	148	154.00	1252	164.20	69

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
165.00	1806	175.10	3573	185.10	3410	195.00	196
166.00	1605	175.95	909	186.10	29846	195.20	125
167.05	9774	177.05	1721	187.05	8582	196.05	5547
168.05	5100	178.05	810	188.05	465	196.70	551
169.00	562	179.05	7059	189.00	1310	197.05	849
169.90	108	180.10	4794	190.05	336	198.00	194770
170.10	220	181.05	2331	190.90	259	199.00	12801
170.90	362	181.95	177	191.10	398	200.05	872
171.95	754	182.20	90	192.10	2306	200.90	186
173.05	1117	183.05	253	193.05	2671	201.40	271
174.05	1933	184.10	540	194.10	684	201.60	457

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
202.10	64	211.90	103	219.70	50	229.70	62
203.00	1112	212.20	41	220.20	509	230.00	225
204.10	6484	212.95	109	221.05	10476	230.20	56
205.05	11879	213.70	47	221.80	1500	231.00	1032

DFTPP2M.M Wed Jun 04 14:36:13 2014 MS2M

206.10	48202	214.00	140	223.00	2282	231.85	122
207.05	5764	215.05	512	224.10	27738	232.95	285
207.95	1140	215.80	100	225.10	6628	234.05	716
209.00	329	216.05	865	226.05	837	235.00	816
209.95	520	217.00	11700	227.10	10887	235.95	618
210.80	345	218.05	1662	228.05	1550	237.00	702
211.00	1230	219.05	84	229.00	2692	237.90	49

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
238.20	45	247.95	194	254.10	652	262.70	31
238.50	91	249.00	611	255.10	100584	264.05	438
239.05	394	249.60	43	256.05	15839	265.00	1757
240.05	300	249.90	80	257.05	862	265.95	307
240.95	507	250.15	131	258.05	5178	267.00	37
242.10	1558	250.90	38	259.05	861	267.20	59
243.10	1129	251.10	254	259.80	30	267.75	47
244.10	20341	252.00	145	260.05	77	268.00	75
245.10	2855	252.30	148	260.30	30	269.00	58
246.05	3904	252.50	33	261.00	172	269.95	137
247.00	860	253.00	301	261.90	38	271.05	312

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
272.05	306	282.00	72	291.00	66	299.20	18
273.00	3089	283.00	423	291.60	27	300.95	193
274.05	8623	284.05	309	292.05	209	302.05	262
275.10	46653	285.05	824	293.05	905	303.10	1636
276.10	6166	286.05	135	293.80	37	303.90	131
277.05	3655	287.10	38	294.10	245	304.10	152
278.00	642	287.80	17	294.90	110	305.00	30
279.00	150	288.00	38	295.15	145	305.80	25
279.20	75	288.80	70	296.00	11521	306.30	16
279.60	17	289.05	102	297.10	1500	307.95	124
279.80	23	290.10	138	297.85	102	308.20	58

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
308.95	102	316.75	83	326.95	862	334.90	231
309.20	54	317.10	69	327.90	108	335.10	689
309.80	58	318.10	44	328.05	476	336.05	98
310.10	184	319.10	29	329.05	101	337.10	17
311.10	85	320.00	50	330.30	27	338.95	47
311.30	20	321.05	483	330.70	27	339.90	103
312.70	66	322.00	228	331.10	23	341.05	508
313.05	91	323.10	3654	332.00	381	342.05	155
313.95	606	324.05	696	332.40	79	342.80	27
315.10	1446	325.10	157	333.05	382	343.10	46
316.15	676	325.95	91	334.10	2385	344.00	19

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
346.05	796	356.80	18	363.90	44	377.10	44
346.95	206	357.00	18	365.05	5445	382.90	96
348.10	27	357.70	26	366.00	952	383.10	430
350.90	67	358.20	22	366.80	29	383.90	162
351.10	95	358.95	73	368.00	24	384.90	67
352.05	1161	359.20	64	369.40	28	385.80	17
353.00	896	359.70	25	370.05	182	386.20	25
354.05	1264	359.95	50	371.10	216	387.10	21
354.80	50	360.20	24	372.10	2467	389.90	292
355.15	225	361.30	23	373.05	606	391.00	152
356.10	45	363.40	20	374.10	51	391.80	40

Average of 2.699 to 2.710 min.: 2M64044.D\data.ms

DFTPP2M.M Wed Jun 04 14:36:13 2014 MS2M

dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
392.00	311	404.05	531	421.05	940	431.40	18
392.90	24	405.00	92	422.05	953	431.70	26
394.10	41	407.60	80	423.05	9001	432.40	27
395.90	18	408.00	24	424.10	1837	432.80	35
396.95	54	408.70	18	425.10	117	433.05	37
398.30	27	409.75	61	425.30	34	434.85	57
400.85	81	411.50	18	426.90	23	435.30	38
401.10	43	414.70	20	427.70	21	436.40	19
401.95	831	414.90	46	429.50	27	436.60	22
402.90	227	416.60	17	430.20	43	437.45	47
403.10	838	419.00	39	431.00	17	437.90	38

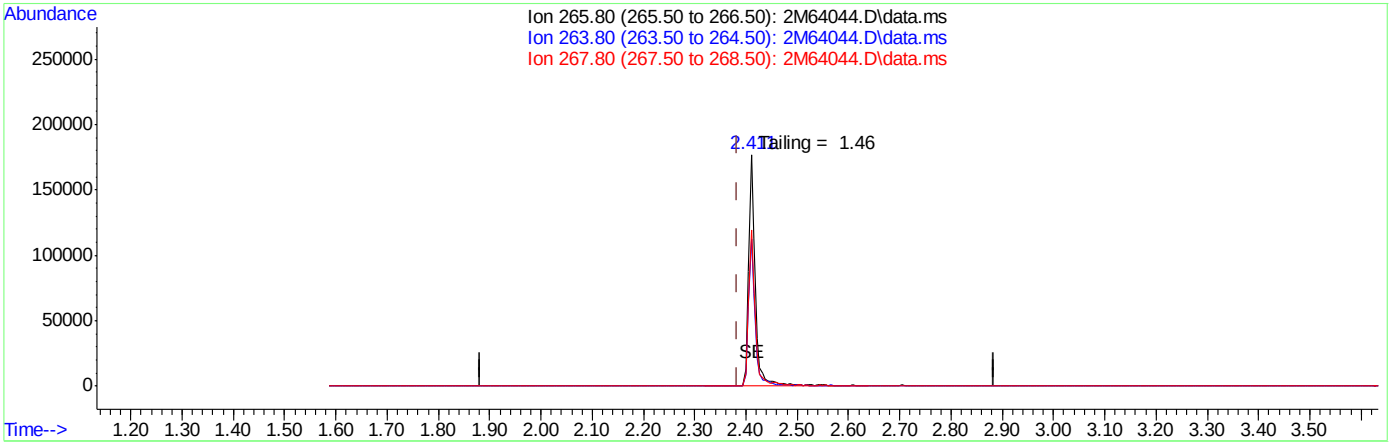
Average of 2.699 to 2.710 min.: 2M64044.D\data.ms
dftpp
Modified:subtracted

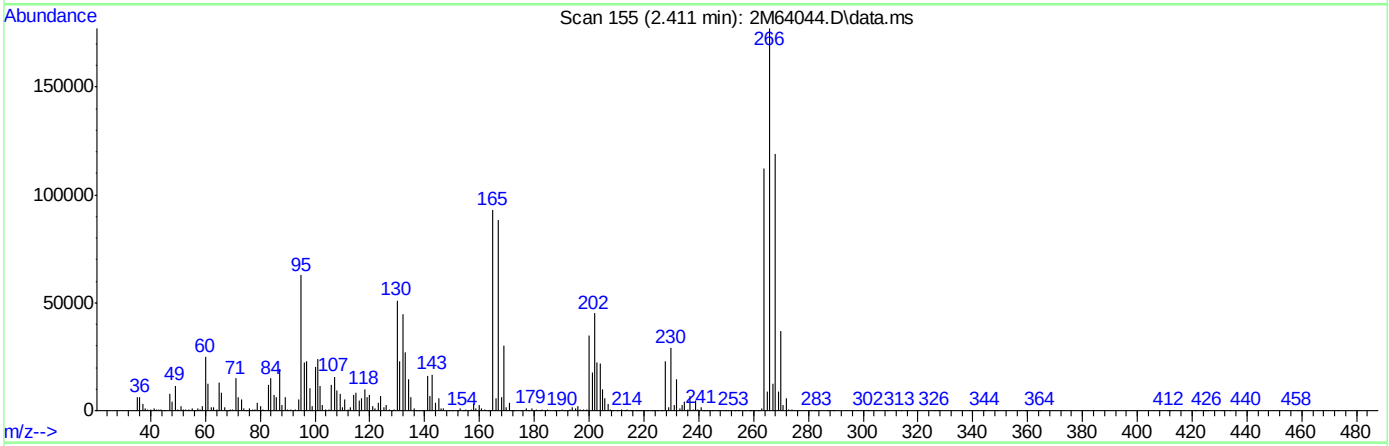
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
438.80	25	456.10	18				
439.40	17	470.10	19				
439.70	45	470.30	37				
440.20	38	475.70	18				
441.10	23267	493.90	20				
442.10	162368						
443.10	31237						
444.10	2796						
444.95	132						
445.90	21						
446.60	19						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64044.D
Acq On : 3 Jun 2014 12:26 pm
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2718,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 12:31:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64044.D\data.ms

(1) Pentachlorophenol (t)

2.411min (+0.027) 10.36ppb

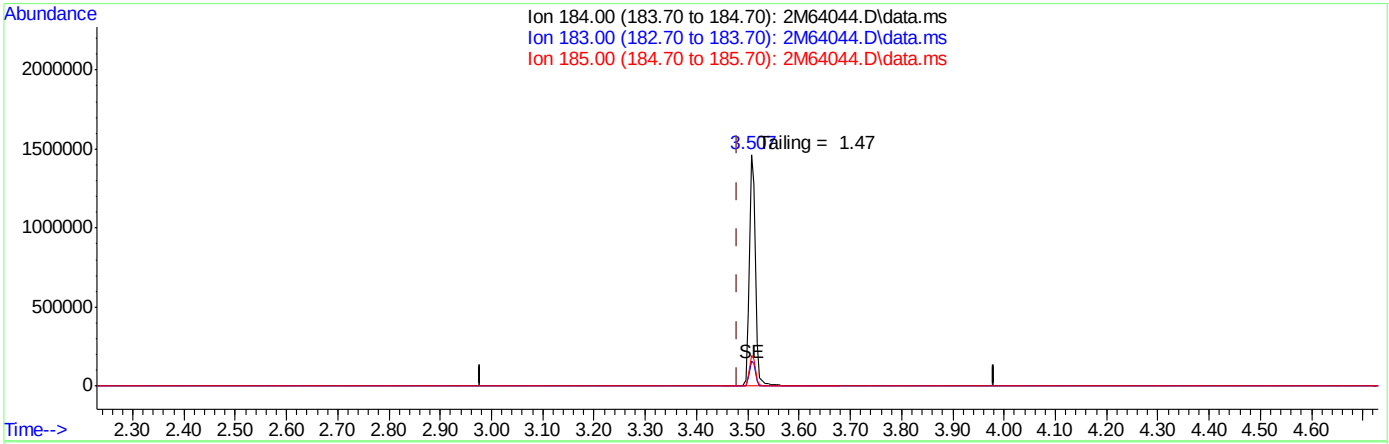
response 155982

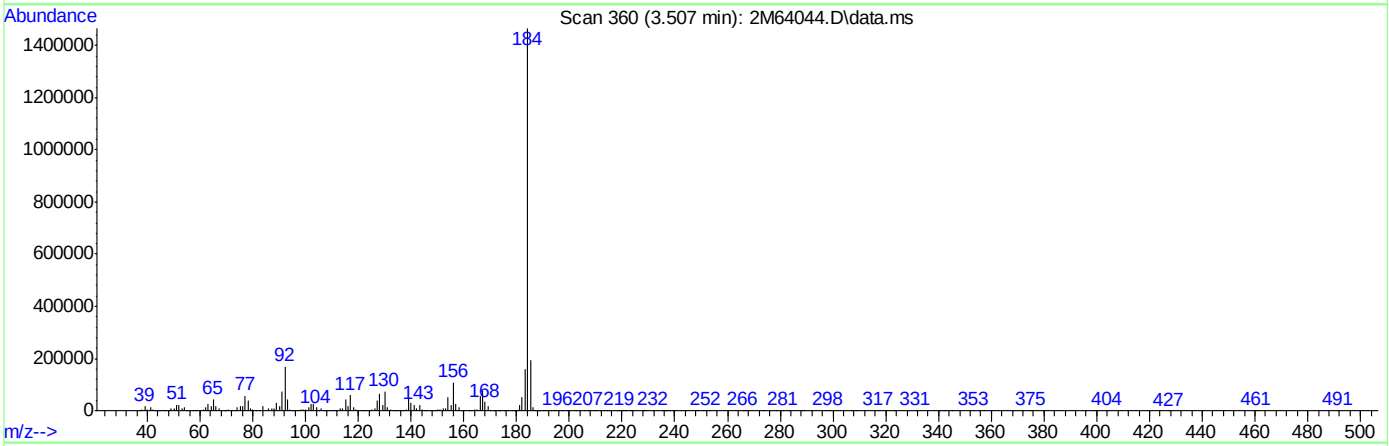
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	63.36
267.80	62.90	67.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64044.D
Acq On : 3 Jun 2014 12:26 pm
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2718,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 12:31:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64044.D\data.ms

(2) Benzidine (t)

3.507min (+0.027) 15.35ppb

response 1189872

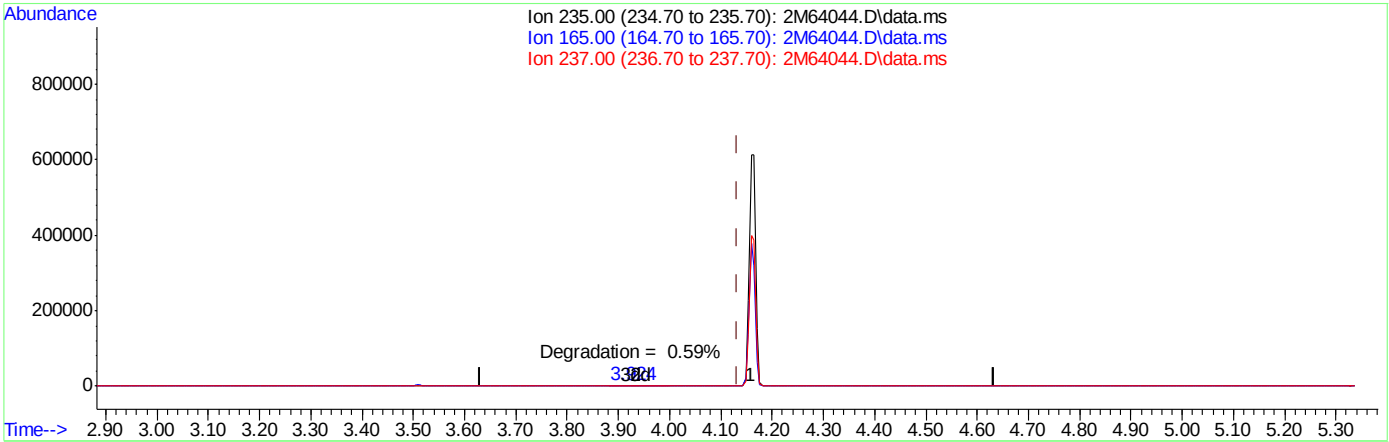
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.75
185.00	13.80	13.23
0.00	0.00	0.00

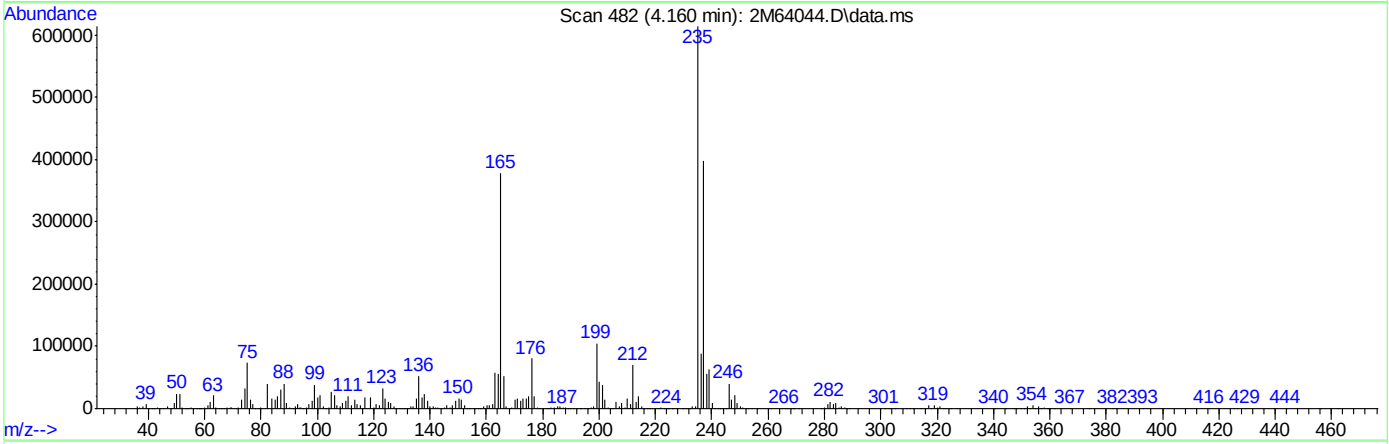
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64044.D
Acq On : 3 Jun 2014 12:26 pm
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2718,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 12:31:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64044.D\data.ms

(3) PP-DDT (t)

4.160min (+0.027) 12.61ppb

response 525876

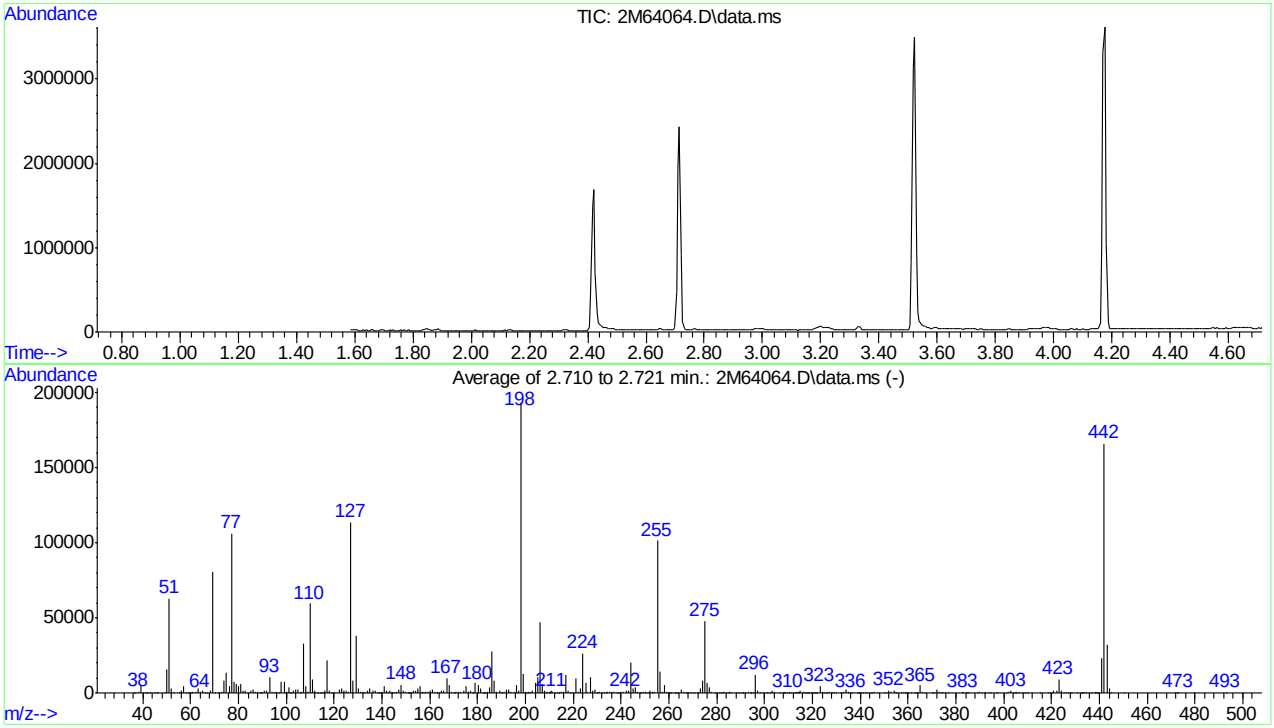
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	57.85
237.00	63.10	63.90
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64064.D
Acq On : 4 Jun 2014 9:30 am
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2719,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
Last Update : Thu Apr 24 10:21:01 2014



AutoFind: Scans 211, 212, 213; Background Corrected with Scan 203

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.5	62866	PASS
68	69	0.00	2	1.5	1183	PASS
69	198	0.00	100	41.6	80371	PASS
70	69	0.00	2	0.2	128	PASS
127	198	40	60	58.8	113587	PASS
197	198	0.00	1	0.7	1338	PASS
198	198	100	100	100.0	193242	PASS
199	198	5	9	6.7	12981	PASS
275	198	10	30	24.9	48080	PASS
365	198	1	100	2.7	5220	PASS
441	443	0.10	100	72.5	23087	PASS
442	198	40	100	85.8	165858	PASS
443	442	17	23	19.2	31864	PASS

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	145	46.40	36	59.30	80	69.00	80371
37.05	224	48.95	345	59.90	45	70.00	128
38.05	805	50.10	15558	60.10	53	71.50	34
39.10	4889	51.05	62866	60.95	629	71.80	48
40.00	323	52.05	3273	62.05	1019	73.00	461
41.00	248	52.95	242	63.05	2939	74.05	8102
41.60	26	55.00	124	64.00	589	75.00	13760
42.15	106	56.00	1884	65.10	1788	76.10	4411
43.00	108	57.10	4265	66.00	95	77.05	106016
44.95	122	58.10	95	67.00	66	78.10	7690
45.90	17	59.10	44	68.05	1183	79.00	5706

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.00	4493	90.00	27	100.00	412	109.05	844
81.00	6325	91.00	1329	100.95	4021	110.00	59529
82.00	1846	91.95	1523	101.70	73	111.10	8898
83.00	1452	93.00	10582	102.00	147	112.00	1347
83.90	251	94.05	723	103.00	1247	112.80	171
85.00	1339	94.95	203	104.05	2193	113.05	278
86.05	2560	96.05	912	105.00	1983	114.05	126
87.00	692	97.10	196	105.80	106	114.60	75
88.00	400	97.95	7597	106.05	707	115.10	157
89.05	300	99.00	7289	107.10	32896	116.00	1758
89.60	69	99.90	225	108.05	4761	117.00	21994

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.05	1703	129.95	3381	139.05	60	147.05	2268
118.95	288	130.95	482	140.00	444	148.05	5305
119.95	357	132.00	550	140.95	4578	149.05	1204
122.00	2063	132.50	135	141.95	1667	150.00	408
122.95	2875	133.80	138	142.20	151	150.90	115
124.00	1477	134.05	1264	143.05	1214	151.10	356
125.05	1816	135.00	2819	143.90	113	151.70	150
126.10	733	136.05	1580	144.10	263	152.05	52
127.10	113587	137.10	1606	144.40	61	153.05	1316
128.00	8065	138.05	396	145.20	41	154.05	1234
129.00	38195	138.70	43	146.00	1047	155.05	2777

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.10	4618	163.95	166	174.10	1856	182.80	36
156.80	85	164.95	1358	175.10	4195	183.20	266
157.05	907	166.00	1416	175.90	400	184.00	428
158.00	278	167.05	10095	176.05	551	185.10	3872
158.20	542	168.05	4900	177.00	1682	186.10	27619
159.05	592	169.05	605	177.90	296	187.10	7902
160.05	1747	170.00	276	178.10	278	188.05	1102
161.10	2331	170.40	71	179.00	6781	189.10	1622
162.10	910	171.05	538	180.10	5373	189.85	135
162.95	211	172.05	662	181.05	2838	190.10	53
163.20	90	173.05	1040	182.05	365	191.00	794

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.05	2173	201.10	131	209.90	256	217.10	11787
193.10	2401	201.55	989	210.10	515	218.05	1607
194.05	711	202.00	219	210.40	179	218.95	203
195.15	419	203.00	1309	210.90	1318	219.90	37

DFTPP2M.M Wed Jun 04 16:38:48 2014 MS2M Page: 2

196.05	4934	204.10	6520	211.15	867	221.10	9986
196.70	267	205.10	10754	212.05	309	222.00	700
197.10	1338	206.10	47301	213.00	176	223.05	2834
198.00	193242	207.05	6020	213.90	19	224.05	26396
198.95	12981	208.00	1393	214.10	76	225.10	6831
200.00	1006	208.80	102	215.10	621	226.00	822
200.60	145	209.05	503	216.00	734	227.10	10653

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
228.00	1193	237.00	856	247.00	736	255.10	101322
229.05	2611	237.95	191	247.90	72	256.10	14065
229.85	133	238.90	163	248.10	205	257.10	833
230.20	151	239.10	202	249.05	953	258.10	5410
231.10	1074	240.00	500	250.00	36	259.10	816
231.95	174	241.00	604	250.20	486	259.70	53
233.00	226	242.10	1392	251.10	122	260.00	280
233.80	72	243.05	1399	252.05	1469	260.70	47
234.05	545	244.10	19932	252.80	94	261.05	115
235.05	723	245.10	2781	253.15	692	262.40	26
236.05	487	246.00	3511	254.10	923	262.90	79

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
263.10	43	272.10	164	282.10	107	292.05	108
263.70	93	273.10	3130	283.10	537	293.10	879
265.05	2252	274.10	8387	284.05	281	294.00	188
265.95	513	275.10	48080	284.90	164	294.20	100
267.00	39	276.10	6660	285.10	630	295.10	285
267.30	35	277.05	3788	286.00	209	296.10	11967
267.90	61	278.05	581	288.00	23	297.10	1404
268.90	46	279.15	108	289.00	133	298.20	74
269.95	245	280.30	40	290.00	130	299.30	48
271.00	292	281.15	186	290.90	22	300.80	42
271.50	71	281.90	63	291.10	109	301.05	174

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
302.10	185	310.95	92	317.70	22	324.85	75
303.10	1545	312.10	30	318.10	26	325.80	20
304.05	416	312.80	34	318.70	58	326.05	157
306.60	46	313.10	35	319.60	50	327.00	905
307.60	29	313.80	140	320.20	21	327.90	119
307.80	25	314.00	507	320.40	20	328.10	265
308.10	101	314.30	82	321.00	399	328.80	41
308.35	68	315.05	1265	321.60	62	330.00	31
309.15	124	316.10	810	322.00	85	331.80	49
310.05	151	316.80	95	323.10	4567	332.10	264
310.30	46	317.20	49	324.05	818	333.00	484

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.10	2255	342.10	32	354.90	59	363.50	19
334.90	229	342.90	59	355.00	108	364.00	23
335.10	592	344.20	22	356.90	25	365.10	5220
336.05	109	345.05	44	358.15	90	366.00	778
336.60	35	346.00	695	358.80	32	367.10	47
338.60	23	347.00	242	359.05	68	370.00	109
339.05	91	350.00	71	359.70	38	370.30	31
339.60	19	351.05	136	359.90	28	371.05	383
339.90	81	352.05	1546	361.10	35	372.05	2163
340.15	9	352.90	774	362.50	31	373.10	592
340.95	306	354.05	1330	363.10	38	373.80	30

Average of 2.710 to 2.721 min.: 2M64064.D\data.ms

DFTPP2M.M Wed Jun 04 16:38:48 2014 MS2M Page: 3

ACCUTEST LABORATORIES JB68318

dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
374.20	52	391.60	35	405.00	37	421.00	1281
375.30	19	392.15	207	405.40	24	422.05	1163
376.95	100	393.80	23	406.20	43	423.10	9021
382.90	196	394.70	39	407.90	31	424.05	1570
383.05	468	396.90	25	408.40	21	425.00	237
384.00	182	397.40	22	409.70	38	426.10	33
384.70	47	400.95	149	410.20	60	426.90	30
385.00	38	402.05	879	415.20	20	427.80	34
388.70	37	403.00	1182	418.30	22	428.50	52
390.05	464	403.95	269	419.50	20	430.85	49
390.95	206	404.80	19	420.20	22	432.30	24

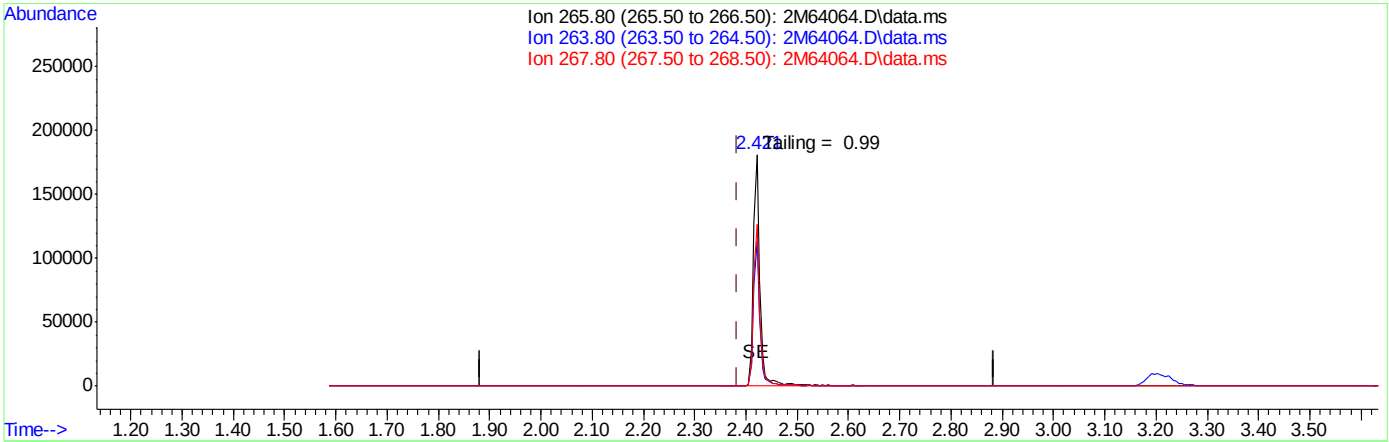
Average of 2.710 to 2.721 min.: 2M64064.D\data.ms
dftpp
Modified:subtracted

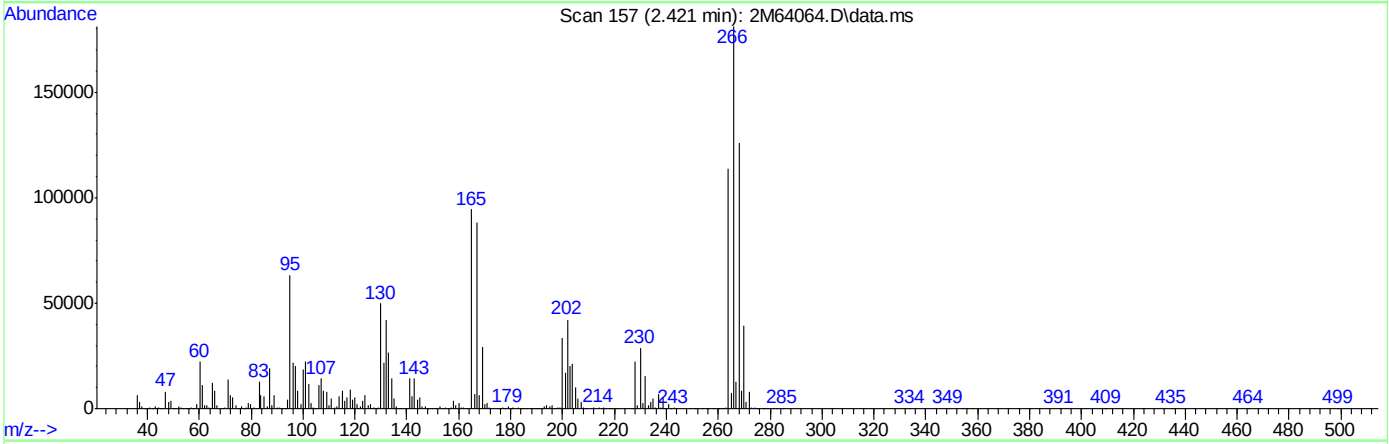
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
432.60	31	441.10	23087				
432.90	24	442.10	165858				
433.45	61	443.10	31864				
434.20	44	444.05	2770				
435.90	56	444.90	114				
436.80	19	450.40	30				
438.00	23	471.50	17				
438.20	70	472.30	17				
438.50	31	472.90	26				
439.30	71	479.30	21				
439.60	40	492.80	22				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64064.D
Acq On : 4 Jun 2014 9:30 am
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2719,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 09:36:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64064.D\data.ms

(1) Pentachlorophenol (t)

2.421min (+0.037) 10.66ppb

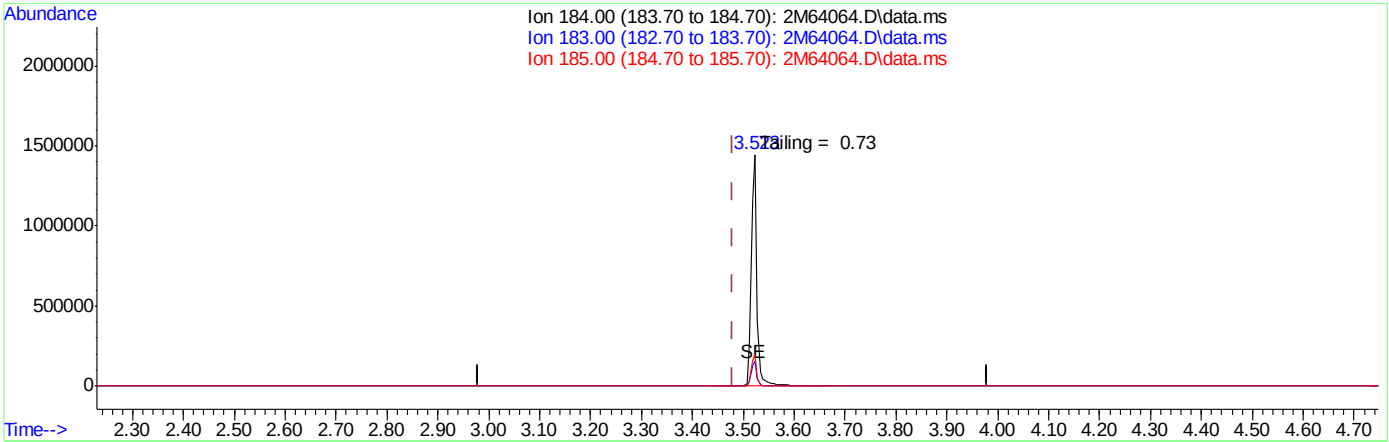
response 160479

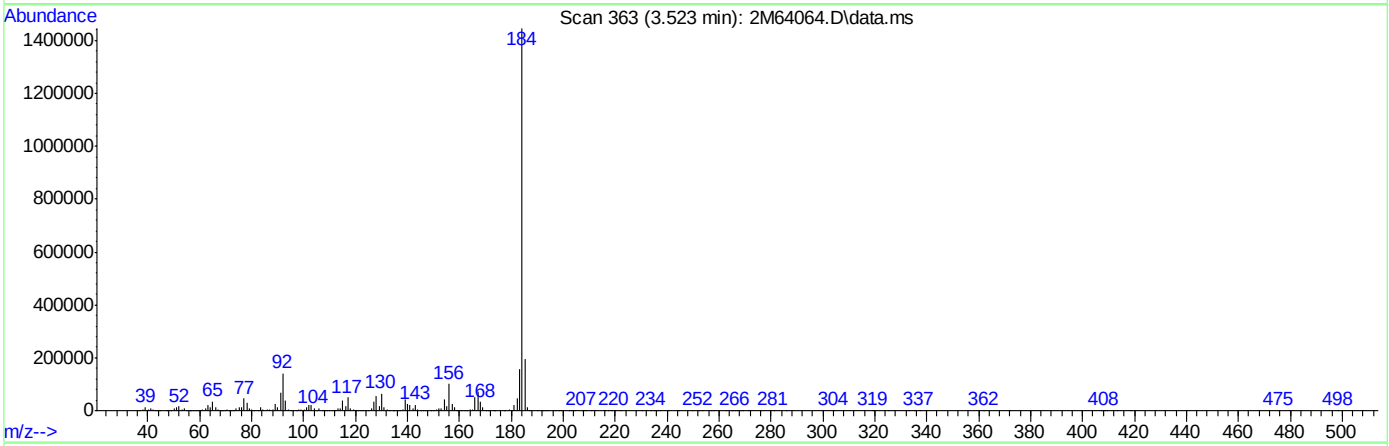
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	62.68
267.80	62.90	69.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64064.D
Acq On : 4 Jun 2014 9:30 am
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2719,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 09:36:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64064.D\data.ms

(2) Benzidine (t)

3.523min (+0.043) 14.96ppb

response 1159619

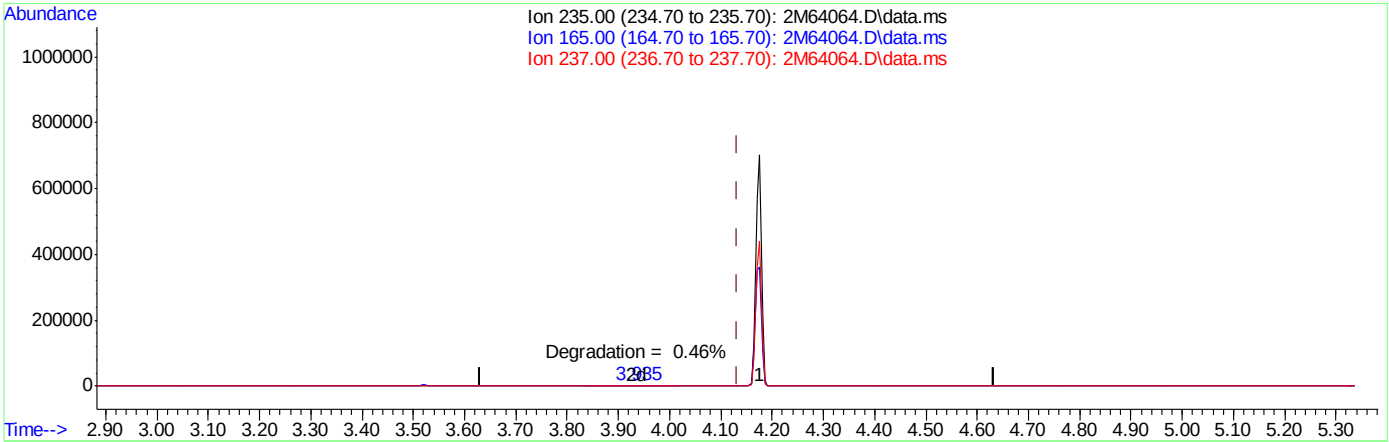
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.91
185.00	13.80	13.49
0.00	0.00	0.00

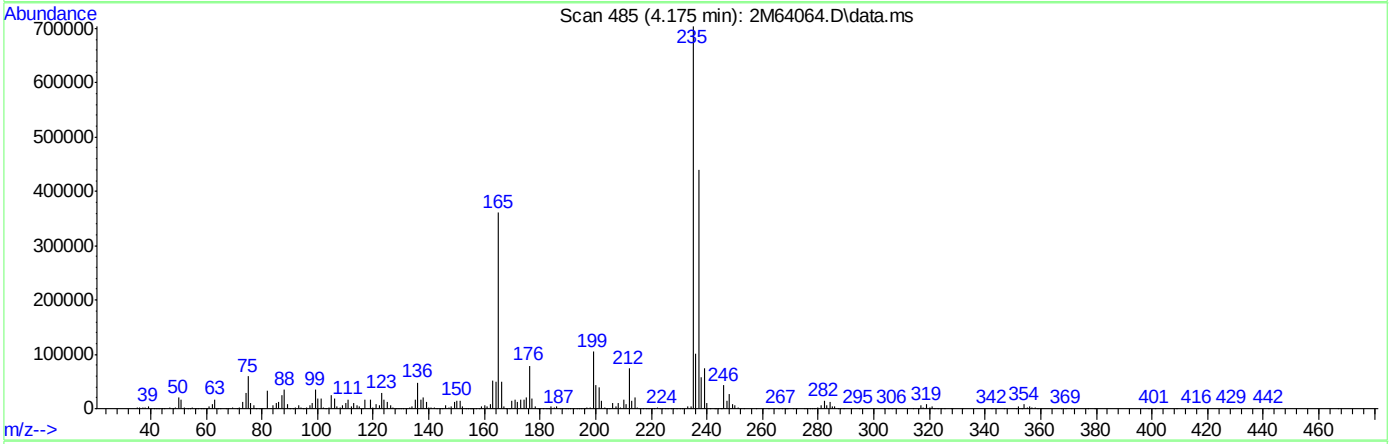
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64064.D
Acq On : 4 Jun 2014 9:30 am
Operator : olgaa
Sample : dftpp
Misc : op75039,E2M2719,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 09:36:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64064.D\data.ms

(3) PP-DDT (t)

4.175min (+0.043) 12.68ppb

response 528833

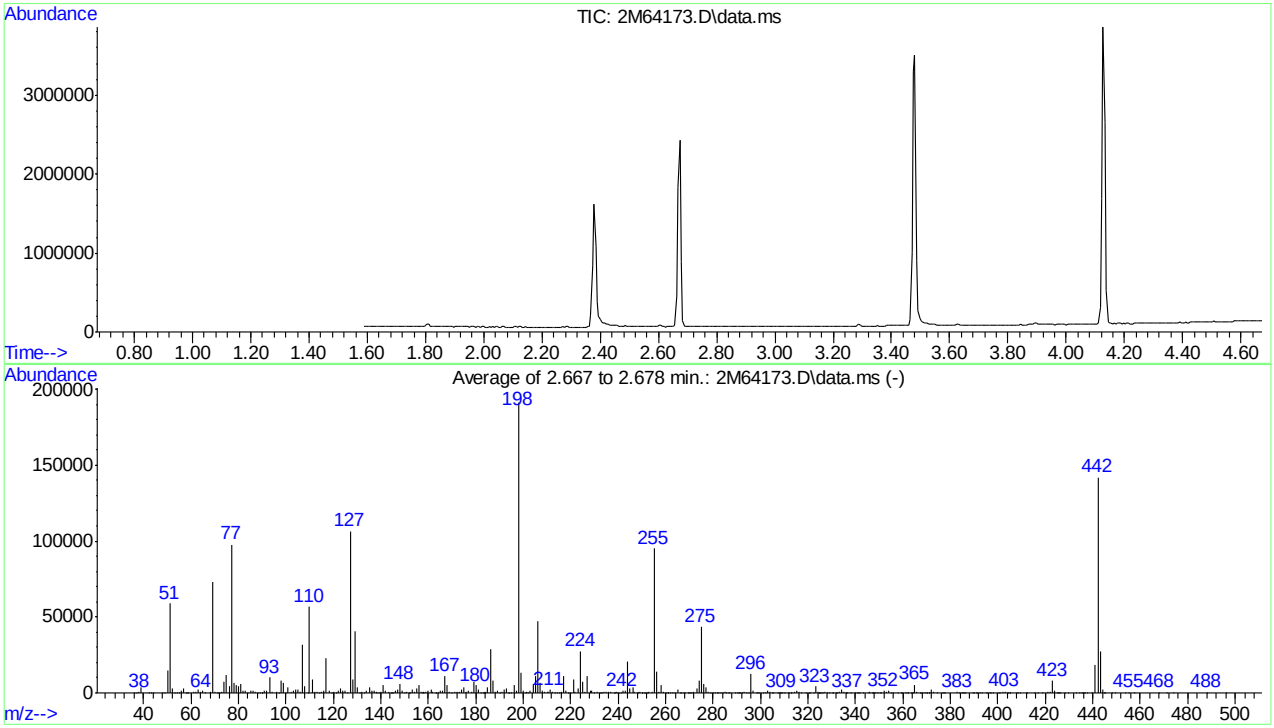
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	56.91
237.00	63.10	63.19
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64173.D
Acq On : 7 Jun 2014 10:25 am
Operator : harpreek
Sample : dftpp
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
Last Update : Thu Apr 24 10:21:01 2014



AutoFind: Scans 203, 204, 205; Background Corrected with Scan 196

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.8	58921	PASS
68	69	0.00	2	1.3	972	PASS
69	198	0.00	100	38.1	72864	PASS
70	69	0.00	2	0.6	457	PASS
127	198	40	60	55.7	106448	PASS
197	198	0.00	1	0.6	1185	PASS
198	198	100	100	100.0	191248	PASS
199	198	5	9	7.0	13397	PASS
275	198	10	30	22.8	43546	PASS
365	198	1	100	2.9	5462	PASS
441	443	0.10	100	69.4	18802	PASS
442	198	40	100	74.3	142024	PASS
443	442	17	23	19.1	27102	PASS

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	194	52.10	2880	63.00	2386	74.05	7368
37.00	17	53.00	38	64.05	483	75.00	12091
38.05	561	53.95	81	65.00	1470	76.00	4402
39.10	3719	55.10	331	65.90	5	77.10	97670
42.10	23	56.00	1690	68.00	972	78.10	6524
43.00	249	57.05	3325	69.00	72864	79.00	5047
44.10	199	57.90	170	70.00	457	79.95	4622
48.00	64	58.10	28	71.00	144	81.00	5864
49.00	234	58.90	45	71.70	73	82.05	1444
50.05	14497	61.00	571	71.85	77	83.00	1805
51.05	58921	62.00	879	73.00	427	83.95	271

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.05	1545	96.00	537	107.00	31680	118.05	1655
86.00	1535	96.90	152	108.05	4667	119.05	85
86.95	619	98.00	8259	109.10	357	119.95	457
87.90	205	99.00	6781	110.00	56632	121.10	91
89.00	148	99.95	394	111.00	8724	122.00	1515
89.80	94	101.00	3519	112.05	973	123.00	3025
90.00	57	102.05	408	113.00	466	124.00	1360
91.00	1801	102.95	1214	114.05	48	124.95	1521
92.00	1525	104.00	2380	114.95	466	126.05	133
93.05	10005	105.00	2070	115.95	1856	127.10	106448
94.00	739	106.05	741	116.95	23236	128.10	8971

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
128.95	40438	138.95	292	149.10	1439	157.90	400
129.95	3799	139.95	506	150.00	315	158.10	364
131.00	366	141.05	4893	151.00	898	159.00	406
132.15	758	141.95	1503	151.85	310	160.05	1457
133.00	43	143.10	1126	152.15	64	161.05	2505
134.05	1147	144.10	310	153.05	2016	161.95	520
135.10	3366	144.50	65	154.05	1079	162.95	216
136.00	1136	145.05	244	155.05	2799	163.20	2
137.00	1582	146.05	1183	156.10	5344	164.05	298
137.95	467	147.00	2442	157.00	755	164.95	1568
138.30	4	148.00	5835	157.50	81	166.00	1407

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
167.05	11228	178.05	636	187.05	7937	197.05	1185
168.10	5135	179.05	7535	188.10	530	198.00	191248
168.95	901	180.10	4838	189.00	1462	199.00	13397
169.95	245	180.95	2341	190.05	329	200.00	1183
171.00	455	182.00	382	191.00	498	201.00	37
172.00	929	183.05	122	192.00	2121	201.45	771
173.05	990	183.50	82	193.05	3005	202.05	230
174.10	2209	183.90	134	193.90	181	203.00	1227
175.10	3767	184.05	423	194.05	357	204.10	6276
175.95	850	185.00	3686	195.00	165	205.05	11421
177.00	1838	186.10	28527	196.00	5021	206.05	47394

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.10	6518	217.00	11017	228.10	1604	238.05	73
208.05	1862	218.10	1538	228.95	1754	238.60	73
209.00	627	219.05	197	229.95	229	239.00	486
210.15	639	219.80	109	231.05	1036	239.80	84

DFTPP2M.M Sat Jun 07 16:07:55 2014 MS2M

210.60	404	221.05	8746	232.00	265	239.95	335
211.10	2043	221.95	948	232.80	115	241.00	394
212.05	417	223.05	2650	233.05	178	242.00	1395
213.00	79	224.10	27555	234.05	747	243.10	1283
213.95	111	225.05	7166	235.00	939	244.10	20574
214.95	392	226.10	642	235.95	532	245.10	2710
216.05	917	227.10	11408	237.05	1100	246.05	3873

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
246.95	1029	254.10	513	263.85	115	273.05	3018
248.00	94	255.10	94993	264.95	2229	274.05	8337
248.15	66	256.10	13822	265.90	149	275.10	43546
249.05	794	257.00	916	266.80	6	276.10	5798
250.00	84	258.05	5237	267.40	55	277.00	3538
250.20	20	259.05	849	268.00	197	278.00	515
251.05	253	260.05	195	269.30	46	279.00	190
251.50	44	260.70	44	269.75	23	279.95	66
252.00	84	261.05	153	270.30	27	281.00	54
252.20	56	262.10	41	270.95	373	281.90	111
253.00	517	263.00	84	271.95	452	282.20	110

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
283.00	389	292.20	120	303.10	1356	312.15	93
284.05	233	293.05	853	304.00	477	312.90	50
285.00	562	294.05	175	304.70	26	313.10	60
285.65	68	295.00	297	305.10	34	314.10	616
286.20	37	296.10	12228	307.10	45	315.10	1255
287.00	43	297.05	1769	307.90	117	316.05	873
289.05	138	298.15	203	308.20	56	317.10	136
290.20	29	298.90	35	308.80	18	319.00	22
290.80	73	299.30	55	309.10	155	320.30	50
291.00	41	301.00	247	310.20	139	321.10	306
291.30	25	302.05	231	311.40	18	322.10	153

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
323.10	4187	330.50	21	340.90	104	350.10	38
324.05	645	331.90	90	341.10	338	350.85	72
324.70	18	332.05	351	341.90	58	352.05	1201
324.90	90	333.05	407	343.10	32	353.00	938
325.20	23	334.00	2373	345.30	56	354.10	1156
325.70	30	335.10	615	346.05	901	355.00	180
326.20	115	335.85	72	347.00	135	355.90	43
326.95	764	336.10	47	347.20	20	357.90	43
328.05	396	336.70	73	348.00	18	359.05	196
329.00	18	338.00	20	348.30	41	359.80	30
330.15	68	339.85	28	349.30	38	361.10	48

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
362.00	18	370.00	24	383.95	219	394.85	59
362.20	72	370.15	90	384.80	35	395.70	33
363.30	27	370.85	106	385.10	66	396.40	31
363.80	30	371.10	240	385.80	17	397.00	21
364.20	19	372.10	2149	386.10	16	397.80	17
365.05	5462	373.05	748	389.20	23	400.30	22
366.00	672	374.20	43	390.10	238	400.80	143
367.15	77	376.70	40	390.70	58	401.95	866
367.90	20	377.15	104	391.15	169	403.05	1088
368.30	26	377.70	54	392.10	145	403.90	175
369.30	17	383.00	493	393.10	59	404.05	355

Average of 2.667 to 2.678 min.: 2M64173.D\data.ms

DFTPP2M.M Sat Jun 07 16:07:55 2014 MS2M

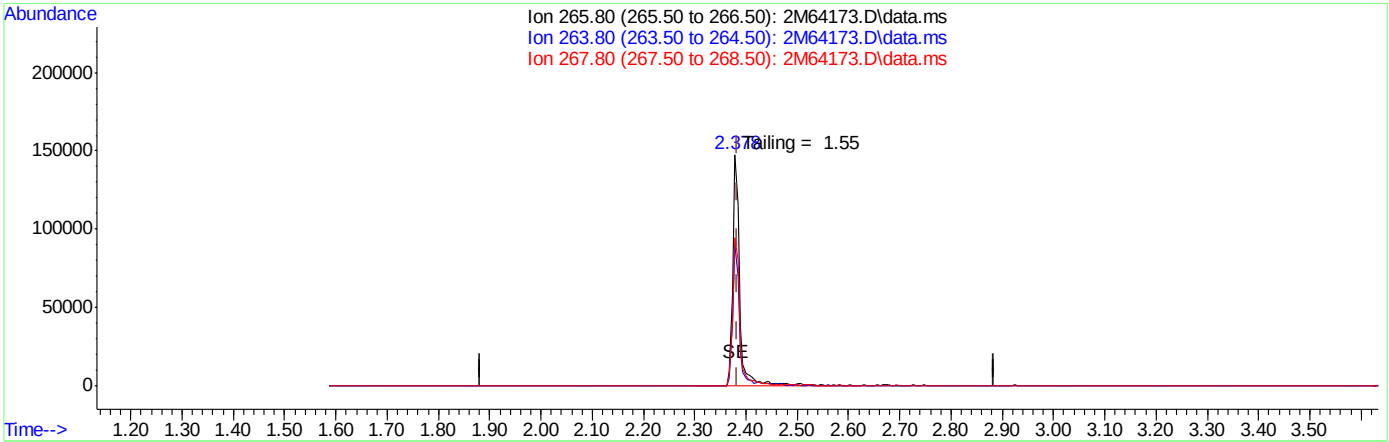
dftpp
Modified:subtracted

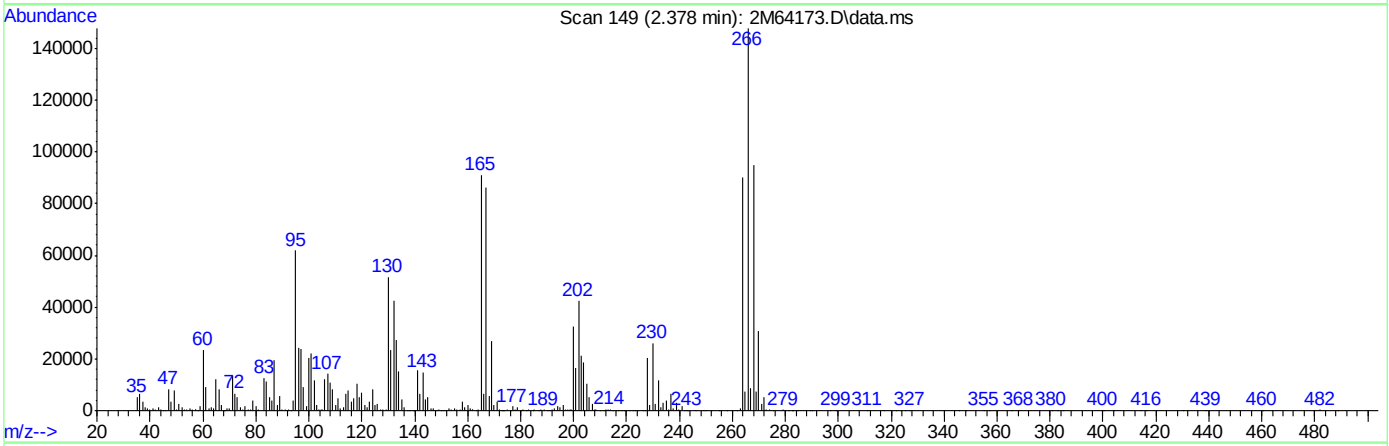
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
404.80	39	422.00	949	435.20	41	445.10	25
405.05	56	423.10	7873	435.50	31	447.90	32
407.90	30	424.10	1552	436.10	21	449.60	24
408.15	49	424.80	45	436.70	35	453.50	20
409.30	41	425.10	110	437.40	44	455.30	24
411.90	42	425.70	27	439.60	56	457.40	18
412.30	27	426.05	62	441.10	18802	468.00	26
415.60	19	428.00	35	442.10	142024	471.20	25
417.00	37	429.40	17	443.10	27102	473.90	22
418.80	18	433.00	24	444.05	2155	488.00	44
421.05	908	434.30	28	444.90	52	496.00	20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64173.D
Acq On : 7 Jun 2014 10:25 am
Operator : harpreek
Sample : dftpp
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 10:30:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64173.D\data.ms

(1) Pentachlorophenol (t)

2.378min (-0.005) 9.27ppb

response 139574

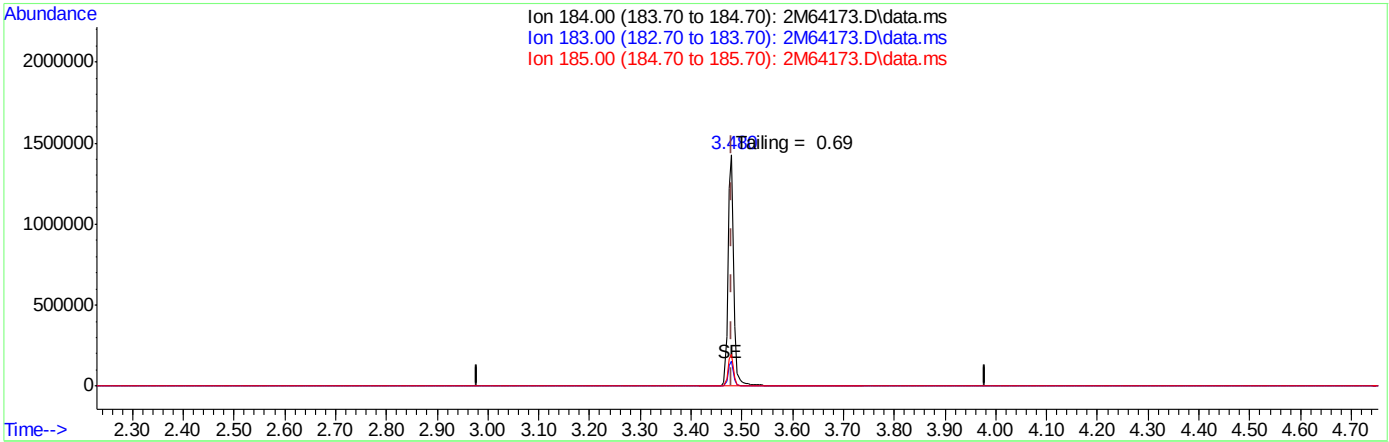
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	60.82
267.80	62.90	64.02
0.00	0.00	0.00

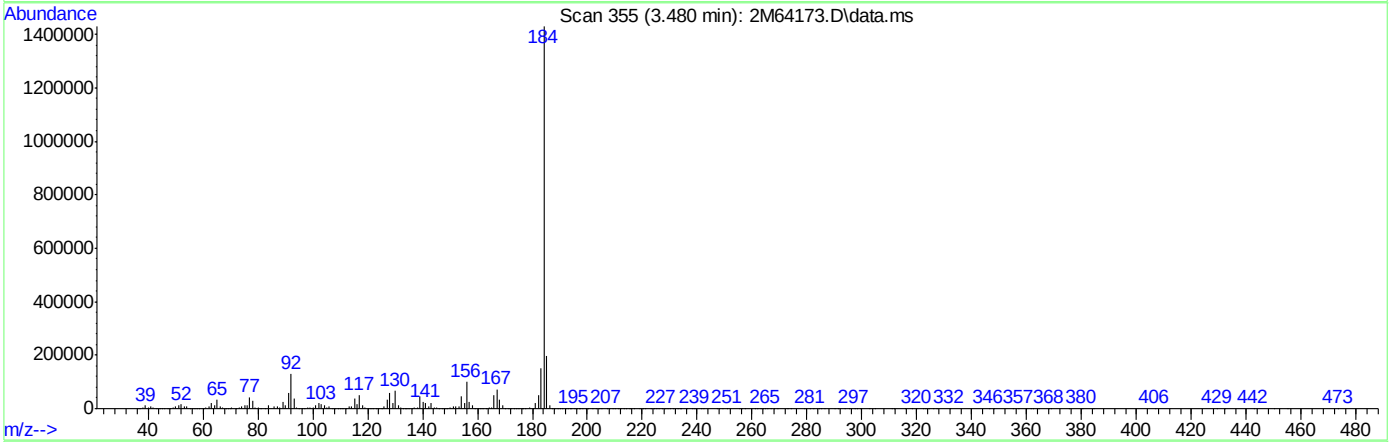
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64173.D
Acq On : 7 Jun 2014 10:25 am
Operator : harpreek
Sample : dftpp
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 10:30:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64173.D\data.ms

(2) Benzidine (t)

3.480min (+0.000) 15.09ppb

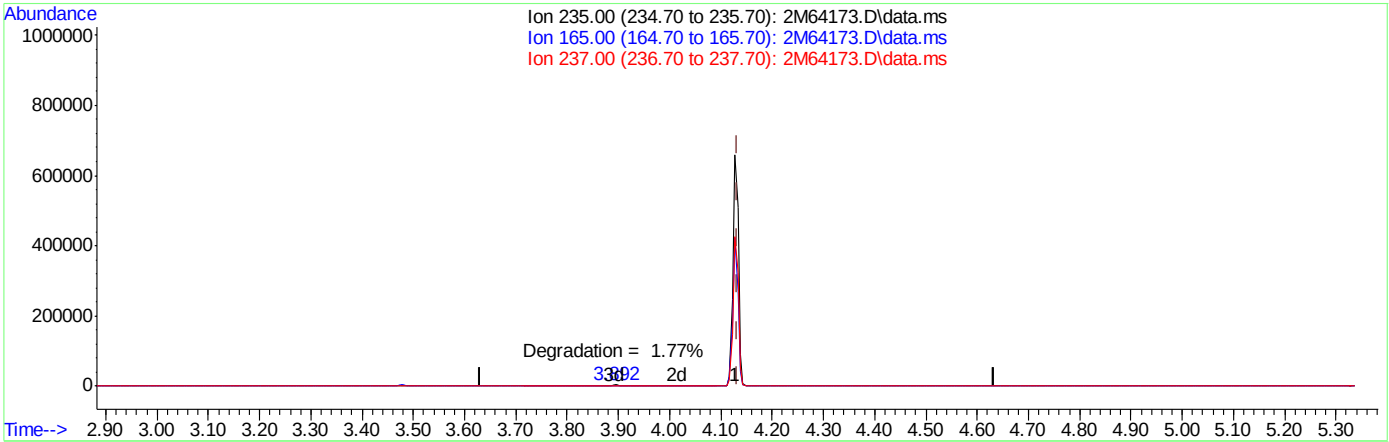
response 1170159

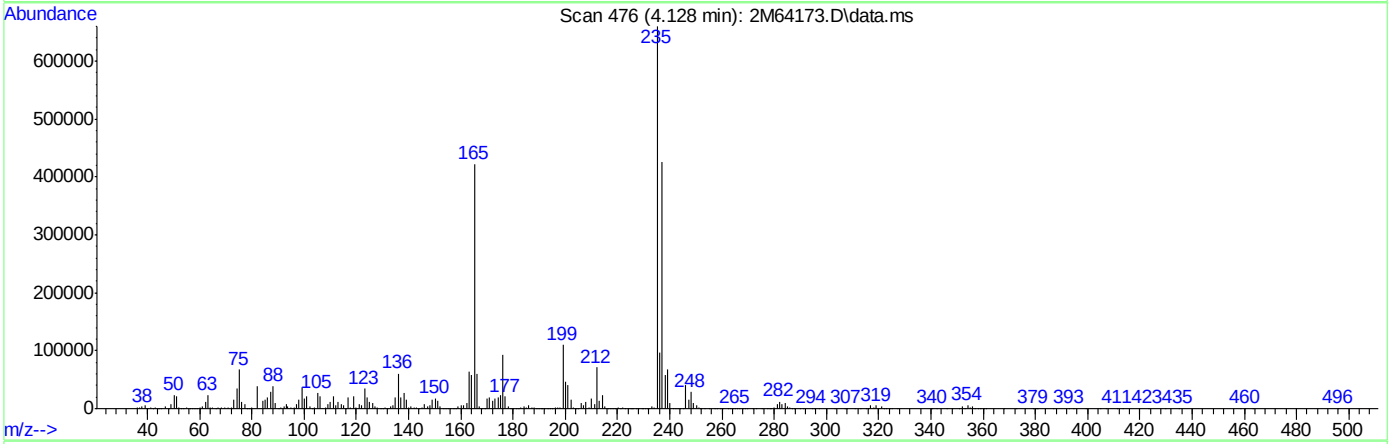
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.61
185.00	13.80	13.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64173.D
Acq On : 7 Jun 2014 10:25 am
Operator : harpreek
Sample : dftpp
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 10:30:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64173.D\data.ms

(3) PP-DDT (t)

4.128min (-0.005) 11.88ppb

response 495345

Ion	Exp%	Act%
235.00	100	100
165.00	49.80	61.68
237.00	63.10	63.39
0.00	0.00	0.00

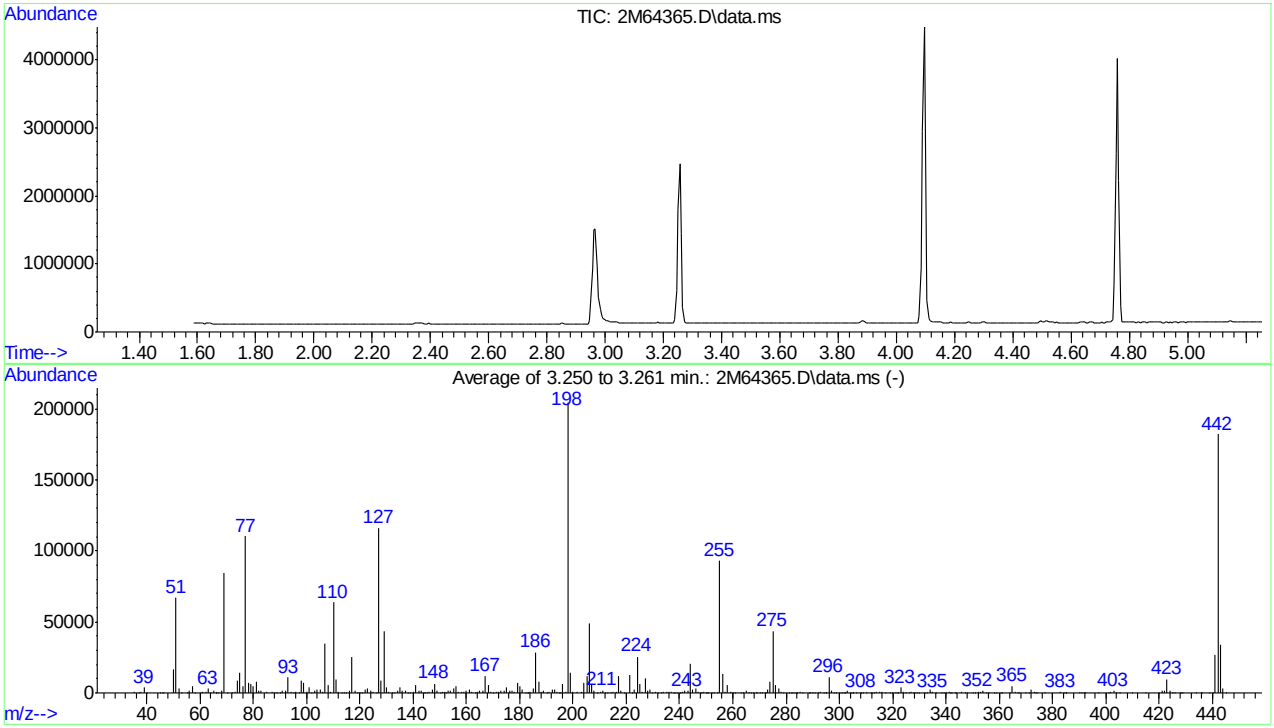
ACCUTEST LABORATORIES JB68318

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64365.D
Acq On : 12 Jun 2014 4:56 pm
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2729
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\dftpp2m.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
Last Update : Fri Jun 13 10:16:42 2014



AutoFind: Scans 312, 313, 314; Background Corrected with Scan 307

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.7	66922	PASS
68	69	0.00	2	1.5	1302	PASS
69	198	0.00	100	41.5	84793	PASS
70	69	0.00	2	0.4	376	PASS
127	198	40	60	56.9	116296	PASS
197	198	0.00	1	0.5	946	PASS
198	198	100	100	100.0	204480	PASS
199	198	5	9	7.0	14288	PASS
275	198	10	30	21.4	43674	PASS
365	198	1	100	2.5	5038	PASS
441	443	0.10	100	77.8	26539	PASS
442	198	40	100	89.1	182106	PASS
443	442	17	23	18.7	34106	PASS

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	588	52.95	134	65.90	47	77.05	110453
37.00	198	55.00	277	66.05	86	78.10	7466
38.00	526	56.00	1971	66.80	82	79.00	6012
39.05	3933	57.00	4967	68.05	1302	80.00	5156
39.95	48	58.05	209	69.00	84793	81.00	7723
44.90	88	60.00	71	70.00	376	82.00	1624
45.90	25	60.95	924	71.90	31	83.00	1592
46.30	25	62.05	1025	73.00	565	85.00	1038
50.05	16492	63.00	3118	74.05	9001	86.95	1064
51.05	66922	64.00	417	75.00	14023	88.00	5
52.05	3473	65.00	1518	76.05	5022	88.90	132

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
89.95	86	101.00	4187	112.00	1199	123.00	3242
91.00	1614	101.95	278	113.00	385	124.00	1438
92.00	1713	102.95	1504	113.95	102	125.00	1207
93.00	10989	104.05	2600	114.90	2	126.20	336
94.00	1030	104.95	2359	116.00	1752	127.05	116296
95.00	72	106.05	844	116.95	24934	128.05	8422
96.00	570	107.00	34375	118.00	1833	129.00	43402
97.20	108	108.00	5459	118.90	143	129.95	4009
97.95	8650	109.00	955	120.00	396	130.95	728
99.00	7086	110.00	63861	120.90	193	132.00	357
99.95	609	111.00	9293	122.00	2154	132.95	136

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.00	1222	144.20	32	154.00	1300	165.00	1652
135.00	3594	145.00	241	155.10	3098	166.05	1621
136.00	1430	146.00	933	156.05	4525	167.05	12059
137.10	1684	147.05	2624	157.05	1090	168.05	5475
138.00	359	148.00	6336	157.95	943	169.00	832
139.00	214	149.00	1326	159.00	811	169.95	313
140.05	627	150.05	414	160.00	1628	171.05	447
141.00	5255	151.10	623	161.00	2563	172.00	854
142.05	1667	151.70	468	162.00	755	173.00	1241
143.00	1225	152.10	81	163.05	291	174.05	1991
144.00	304	153.00	1668	164.00	440	175.10	4006

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.05	1242	186.10	28723	196.10	6689	208.00	1426
177.00	1852	187.10	7939	197.10	946	209.00	364
178.00	635	188.05	822	198.00	204480	210.15	755
179.00	7279	189.00	1385	199.00	14288	211.10	1816
180.05	4882	190.00	231	199.95	945	212.10	25
181.00	2363	191.00	690	201.50	1082	213.05	128
182.05	392	192.05	2467	203.00	1202	214.10	37
182.90	82	193.00	2399	204.10	7189	214.95	496
183.05	130	194.00	542	205.10	11707	216.05	943
183.95	614	194.95	314	206.10	49002	217.00	11630
185.05	3498	195.20	112	207.05	6223	218.00	1638

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
219.05	172	231.10	867	241.05	566	250.30	27
221.10	12693	231.95	230	242.05	1411	250.95	187
222.10	357	232.95	166	243.05	1535	252.00	200
223.00	2677	234.00	666	244.10	20848	253.00	363

dftpp2m.M Fri Jun 13 10:17:11 2014 MS2M

224.10	25661	235.05	765	245.05	2703	254.10	397
225.10	6489	236.00	532	246.05	3245	255.10	92896
226.05	724	237.05	963	247.00	641	256.05	13333
227.10	10080	237.90	28	247.85	96	257.05	943
228.00	1381	238.05	96	248.10	94	258.05	5171
229.00	2162	238.95	390	249.05	614	259.00	777
229.90	260	240.05	371	249.85	126	259.95	147

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
260.95	169	272.00	203	282.20	21	293.00	807
262.95	61	272.20	74	282.95	308	294.05	237
263.95	228	273.05	2611	283.90	130	294.85	110
265.00	1975	274.05	7615	284.10	105	295.10	141
265.85	271	275.10	43674	285.05	613	296.05	11119
266.90	42	276.10	5447	286.00	184	297.00	1676
267.70	85	277.05	3208	288.60	19	298.00	109
268.70	27	278.05	477	289.05	112	298.90	29
268.95	42	278.95	125	290.00	119	300.00	17
269.95	124	281.00	94	290.85	76	301.00	143
271.00	160	281.95	114	292.00	200	301.70	53

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
301.95	92	312.00	44	323.05	3827	334.05	2392
303.05	1513	312.95	94	324.05	646	334.95	676
304.05	409	314.05	601	325.00	52	336.05	87
304.95	46	315.00	1151	325.95	87	338.10	21
305.20	34	316.00	797	327.00	720	338.95	56
306.30	23	317.05	136	327.60	23	340.00	26
307.80	23	318.90	33	328.00	300	341.05	498
308.05	177	319.90	63	329.05	51	341.80	36
308.95	138	321.05	393	330.00	20	342.00	99
310.00	174	321.90	40	332.00	278	343.20	18
311.70	34	322.05	212	333.00	381	343.90	24

Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
345.95	876	359.00	68	373.05	635	392.20	17
346.95	160	360.70	20	373.80	29	397.00	17
347.90	17	361.10	24	374.10	20	400.90	135
349.95	85	363.80	25	377.05	55	402.00	839
350.80	62	365.00	5038	382.95	513	403.00	1295
352.05	1210	366.00	727	383.95	187	403.95	419
353.00	990	366.90	19	384.90	34	405.00	59
354.05	1364	367.20	30	385.10	23	410.00	26
355.00	171	369.95	122	390.00	322	414.95	77
355.95	56	371.05	294	390.95	234	419.80	16
358.15	41	372.05	2291	391.90	128	421.00	1254

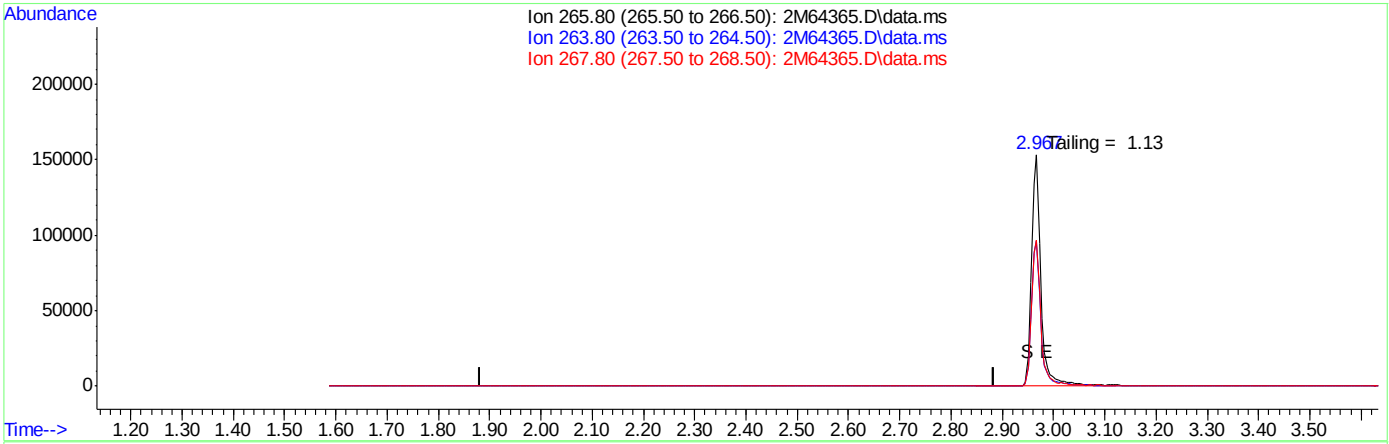
Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

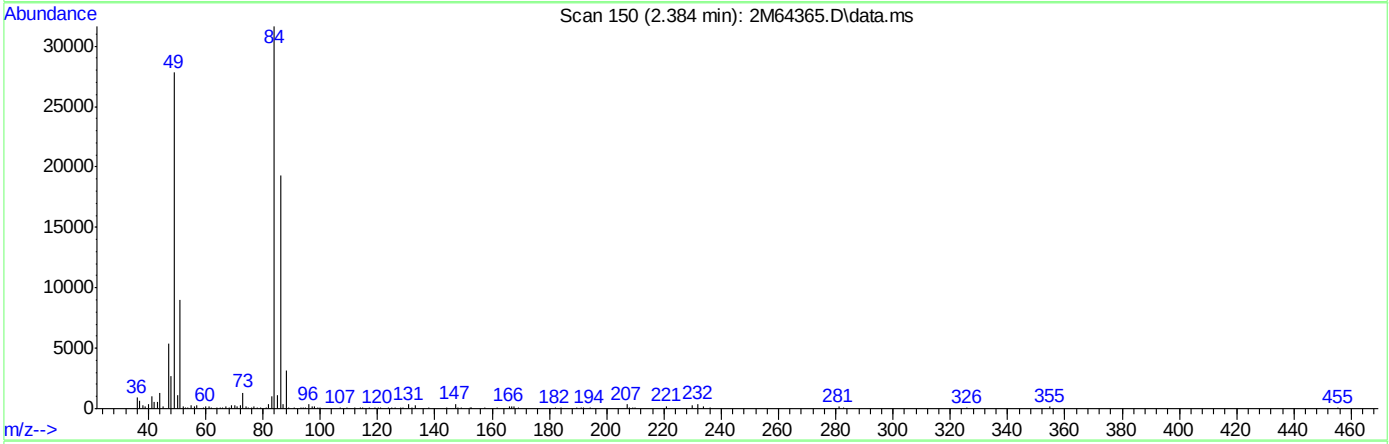
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
422.00	1246	438.70	26				
423.05	9493	440.10	37				
424.00	1870	441.10	26539				
425.00	190	442.05	182106				
426.00	17	443.10	34106				
427.90	28	444.05	3025				
428.20	17	445.00	228				
428.60	26						
433.90	17						
435.90	29						
436.10	16						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64365.D
Acq On : 12 Jun 2014 4:56 pm
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2729
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 17:01:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64365.D\data.ms

(1) Pentachlorophenol (t)

2.384min (-2.384) 0.00ppb

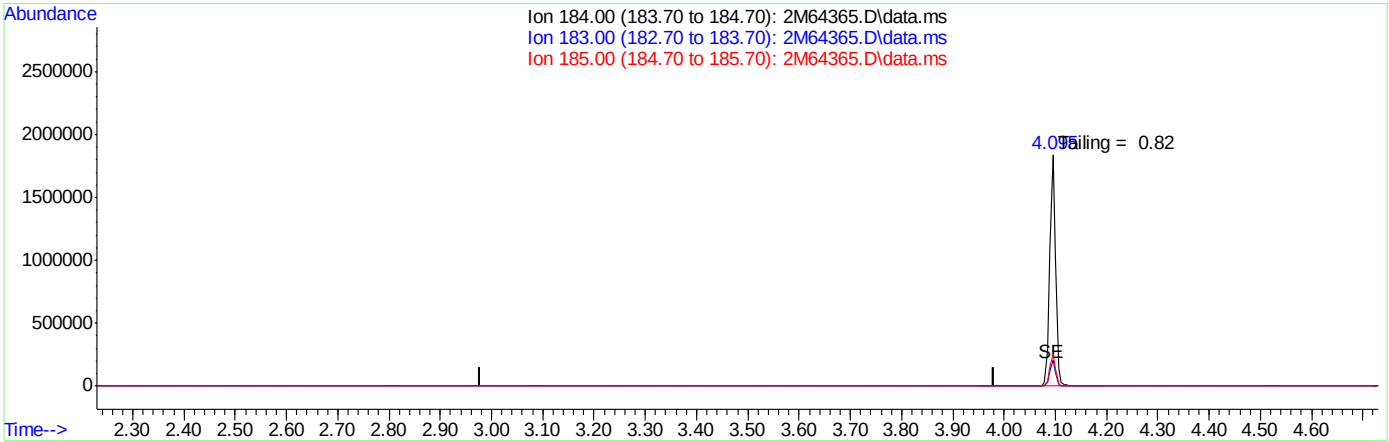
response 0

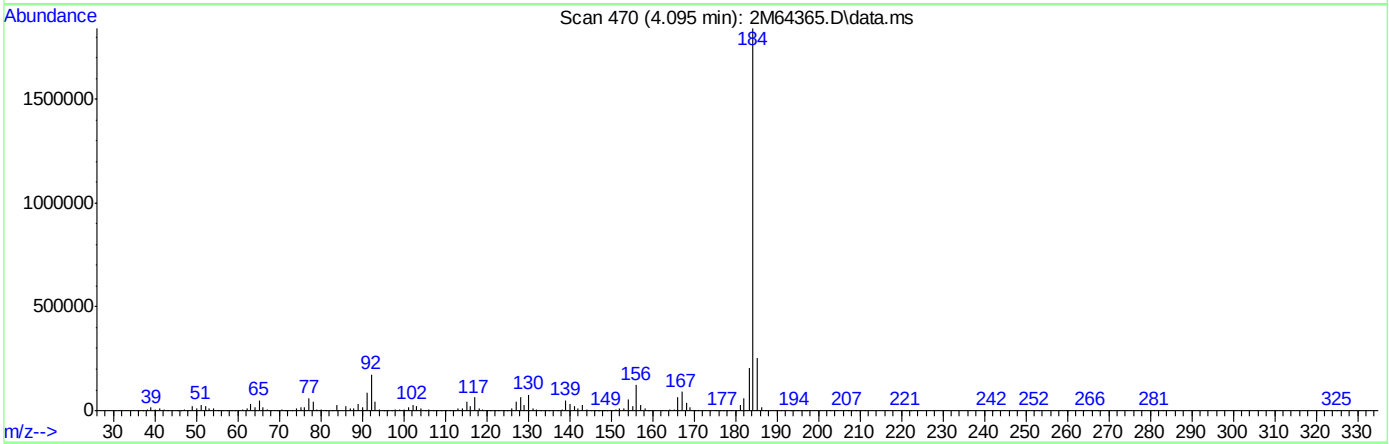
Ion	Exp%	Act%
265.80	100	0.00
263.80	63.20	0.00#
267.80	62.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64365.D
Acq On : 12 Jun 2014 4:56 pm
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2729
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 17:01:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64365.D\data.ms

(2) Benzidine (t)

3.480min (-3.480) 0.00ppb

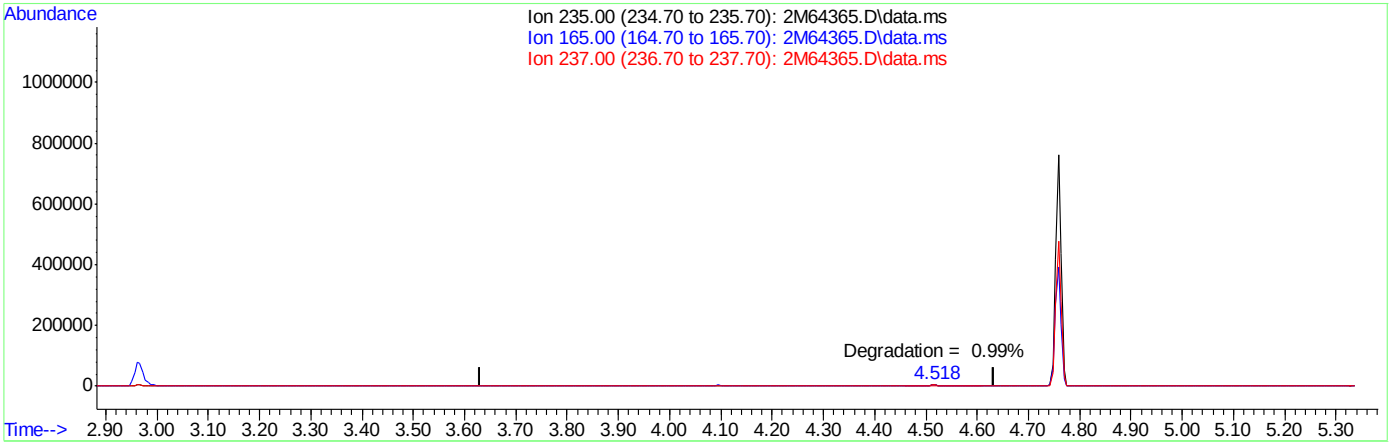
response 0

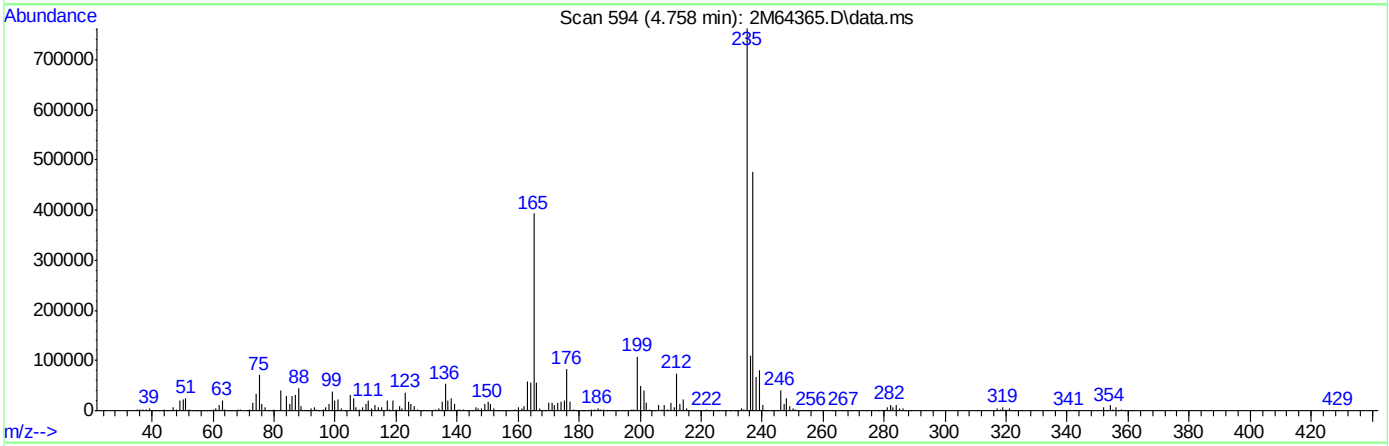
Ion	Exp%	Act%
184.00	100	0.00
183.00	11.70	0.00
185.00	13.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64365.D
Acq On : 12 Jun 2014 4:56 pm
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2729
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 17:01:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M64365.D\data.ms

(3) PP-DDT (t)

4.133min (-4.133) 0.00ppb

response 0

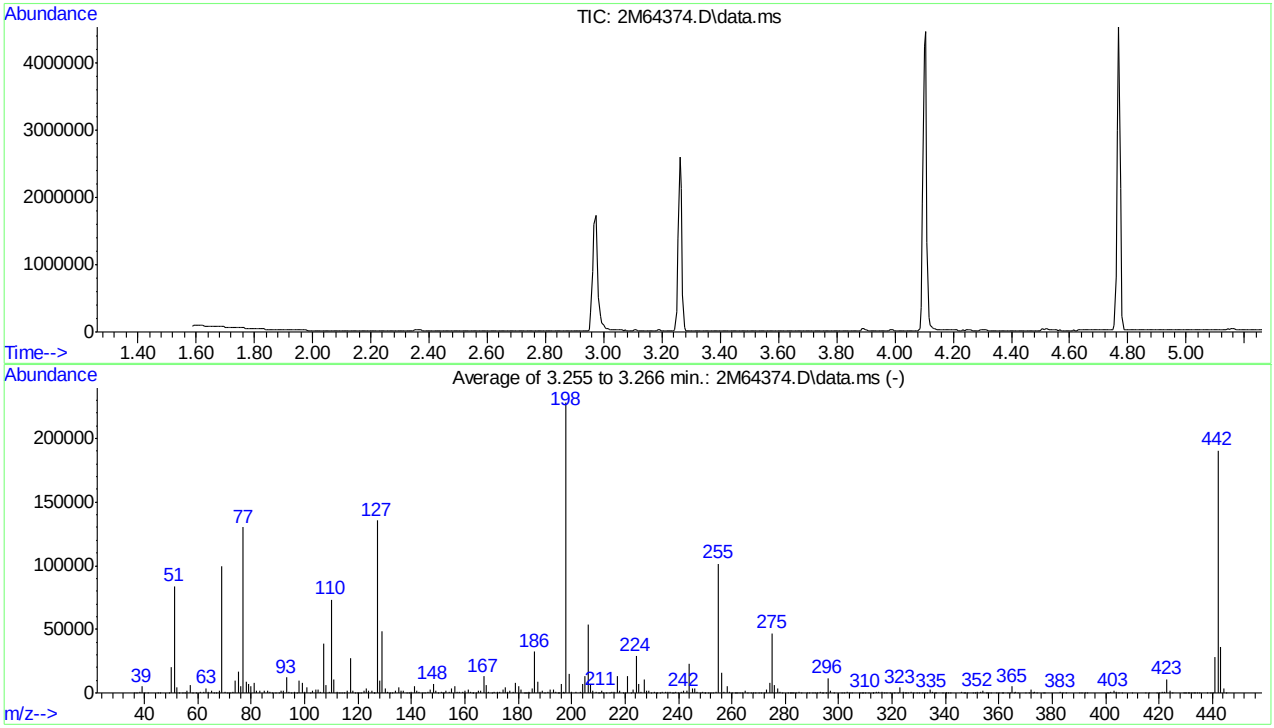
Ion	Exp%	Act%
235.00	100	0.00
165.00	49.80	0.00#
237.00	63.10	0.00#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64374.D
Acq On : 13 Jun 2014 10:16 am
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2730,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
Last Update : Fri Jun 13 10:16:42 2014



AutoFind: Scans 313, 314, 315; Background Corrected with Scan 306

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.7	83710	PASS
68	69	0.00	2	1.5	1467	PASS
69	198	0.00	100	43.7	99772	PASS
70	69	0.00	2	0.5	501	PASS
127	198	40	60	59.4	135569	PASS
197	198	0.00	1	0.4	830	PASS
198	198	100	100	100.0	228181	PASS
199	198	5	9	6.7	15241	PASS
275	198	10	30	20.5	46880	PASS
365	198	1	100	2.3	5260	PASS
441	443	0.10	100	76.0	27785	PASS
442	198	40	100	83.6	190680	PASS
443	442	17	23	19.2	36562	PASS

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	15	52.10	4422	64.05	582	75.00	16628
37.00	259	53.05	77	65.05	2067	76.10	5623
38.05	794	54.30	16	66.00	130	77.05	130142
39.05	5033	55.00	332	67.00	166	78.10	8895
40.00	154	56.05	2124	68.00	1467	79.00	6829
41.05	245	57.05	5831	69.00	99772	80.00	5673
45.00	100	58.00	302	70.00	501	81.00	8310
45.80	26	59.05	61	71.00	30	82.00	2162
49.00	57	61.00	1098	72.00	49	83.05	1994
50.10	20581	62.05	1334	73.00	672	85.00	1752
51.05	83710	63.05	3730	74.10	10035	86.00	1968

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	1022	98.05	9887	109.00	953	119.90	76
87.95	470	99.10	8178	110.05	73370	120.10	392
89.05	269	99.95	760	111.05	10368	120.90	98
90.15	69	100.95	4852	112.00	1289	122.05	2166
91.00	1824	102.00	316	113.05	329	122.95	3512
92.05	1948	103.00	1388	113.95	103	124.05	1774
93.05	12315	104.00	2949	114.80	52	125.00	1618
93.95	1103	105.05	2742	116.00	1868	125.80	128
94.95	104	106.05	1018	117.00	26987	126.05	346
96.00	541	107.10	38632	118.05	2092	127.05	135569
97.00	54	108.05	6187	119.00	280	128.10	10140

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.05	48681	140.05	665	151.10	849	161.10	2624
130.00	3965	141.05	5745	151.60	382	162.05	977
131.05	899	142.05	2038	152.00	273	162.90	78
131.95	422	143.00	1128	153.05	1953	163.10	150
132.90	315	144.00	405	154.00	1338	164.00	407
134.05	1384	144.95	350	155.10	3385	165.00	1931
135.05	4069	146.05	1117	156.10	5295	166.00	1821
136.00	1683	147.05	3026	157.05	911	167.10	13208
137.05	2183	148.05	6843	158.00	1070	168.10	6491
138.00	469	149.00	1436	159.05	848	169.00	939
139.05	412	150.05	422	160.05	1875	170.05	416

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.00	553	182.05	372	191.05	771	200.00	1068
172.05	1041	182.80	86	192.05	2500	201.55	1035
173.05	1202	183.05	210	193.05	2555	203.05	1324
174.10	2388	183.90	126	194.00	571	204.10	7511
175.10	4462	184.05	502	194.90	93	205.10	12815
176.10	1317	185.10	3749	195.15	313	206.10	54170
177.00	1884	186.10	32376	196.10	7360	207.05	7043
178.05	631	187.10	8881	196.85	830	208.05	1624
179.00	8101	188.05	936	197.10	353	209.05	567
180.10	5670	189.05	1809	198.00	228181	210.10	439
181.05	2579	190.00	341	199.00	15241	210.30	401

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.05	1949	222.00	409	232.00	118	242.05	1633
211.70	180	223.05	2862	233.00	280	243.05	1600
213.00	157	224.10	28688	233.95	613	244.10	22995
214.05	47	225.10	7308	235.00	695	245.10	3236

DFTPP2M.M Fri Jun 13 12:39:26 2014 MS2M

215.05	519	226.05	764	236.00	642	246.05	3619
216.05	1104	227.10	10318	237.05	844	247.00	649
217.00	13338	228.00	1362	237.80	75	248.05	229
218.05	1665	229.05	2167	238.05	133	249.05	843
219.05	156	229.90	297	238.95	479	249.80	33
220.10	69	231.10	951	239.95	288	249.95	169
221.05	13310	231.80	23	240.95	562	250.95	241

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
251.95	153	262.10	24	273.05	3066	283.00	321
253.00	342	263.00	48	274.05	7947	284.05	285
254.05	609	263.85	198	275.10	46880	285.00	707
255.10	101450	265.00	2172	276.10	6302	286.10	140
256.10	15746	265.90	92	277.05	3478	288.05	82
257.05	1140	267.00	22	278.00	593	289.00	188
258.05	5059	267.85	30	278.90	148	290.10	69
259.00	828	268.90	23	281.00	47	290.95	83
259.95	194	269.90	110	281.80	30	292.05	166
261.10	198	271.00	162	282.00	57	293.00	871
261.75	47	272.00	262	282.80	75	293.90	55

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
294.15	170	308.60	20	319.10	22	329.90	18
295.05	216	308.90	113	321.00	367	331.20	23
296.05	11639	310.00	193	322.10	231	331.95	257
297.00	1665	311.00	26	323.10	4035	332.95	348
298.10	121	312.90	22	324.05	723	334.10	2607
301.00	179	313.05	71	324.85	67	335.00	772
302.00	184	314.00	669	325.20	19	335.95	68
303.05	1247	315.05	1294	326.00	19	336.20	17
304.05	429	316.05	907	327.00	890	339.00	22
304.85	69	317.05	155	328.00	311	340.00	45
308.00	159	317.90	22	329.05	70	340.20	28

Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
341.00	404	355.05	322	365.90	119	383.00	676
342.00	86	355.70	19	366.05	711	383.95	187
346.00	854	355.95	54	366.90	49	385.05	38
346.80	39	357.00	24	370.00	189	389.95	328
347.10	109	358.95	145	371.00	342	391.00	207
347.90	41	359.80	17	372.05	2349	392.00	178
350.00	34	361.15	37	372.80	70	392.90	24
351.15	97	361.40	20	373.10	489	400.70	31
352.05	1271	363.40	19	374.10	61	401.05	146
353.10	976	363.90	29	376.60	17	402.00	872
354.05	1397	365.00	5260	377.10	36	403.00	1389

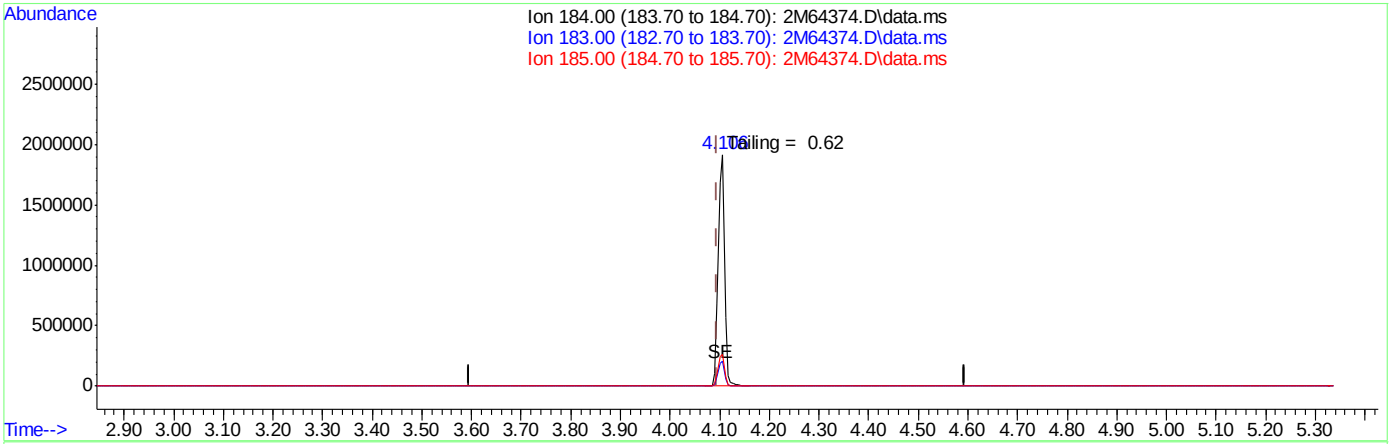
Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

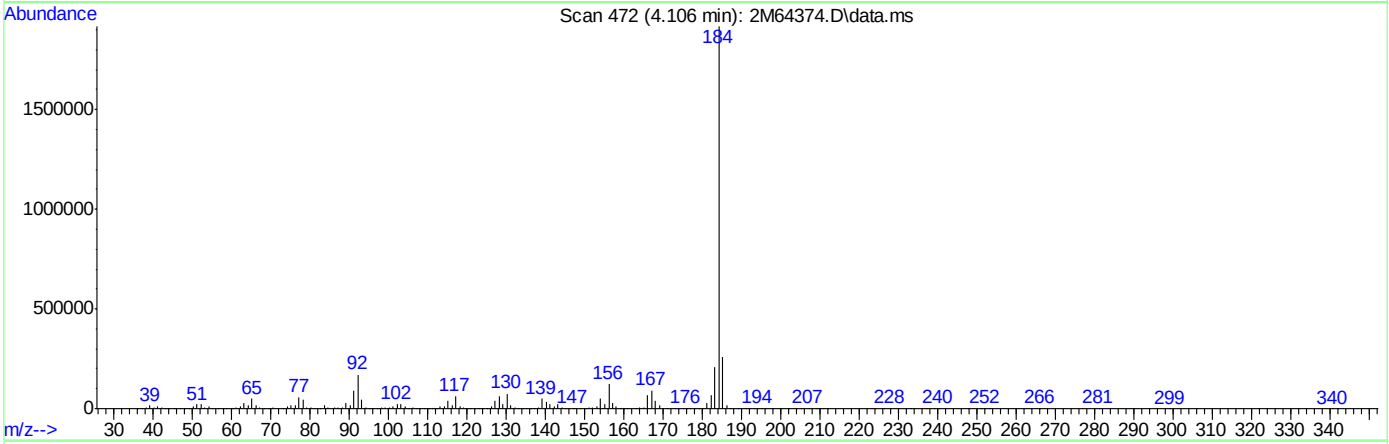
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
404.05	507	424.10	2099	435.20	18		
405.00	29	425.00	187	438.10	24		
406.10	17	429.00	17	439.10	42		
409.75	45	429.60	16	440.00	37		
414.95	67	430.10	50	441.10	27785		
416.10	25	430.70	17	442.10	190680		
419.10	19	431.20	30	443.10	36562		
420.00	35	432.00	27	444.10	3494		
421.00	1154	432.75	59	444.95	200		
422.00	1053	433.40	20				
423.05	10764	434.00	42				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64374.D
Acq On : 13 Jun 2014 10:16 am
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2730,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 10:22:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64374.D\data.ms

(2) Benzidine (t)

4.106min (+0.011) 21.53ppb

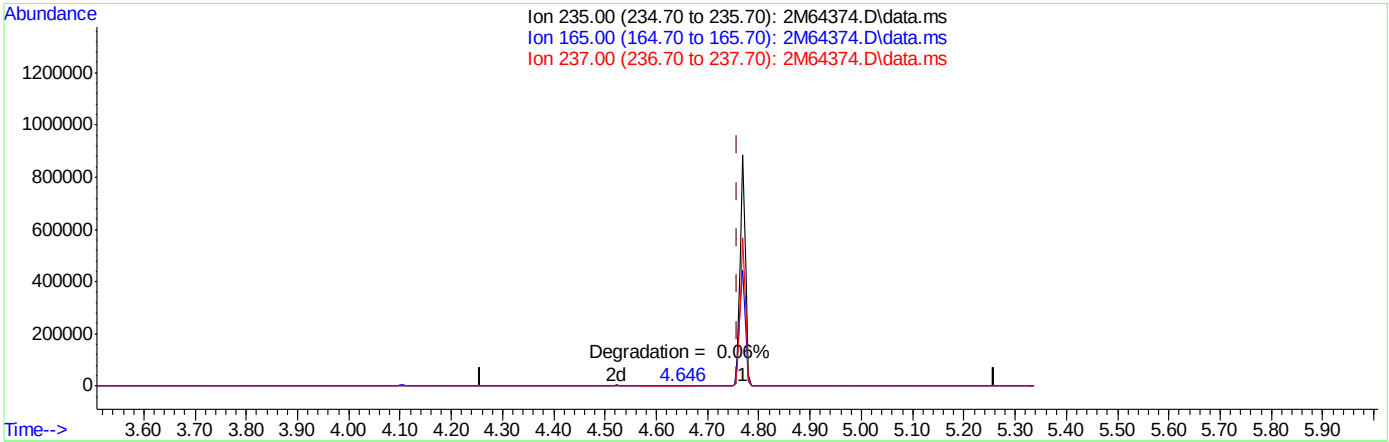
response 1669321

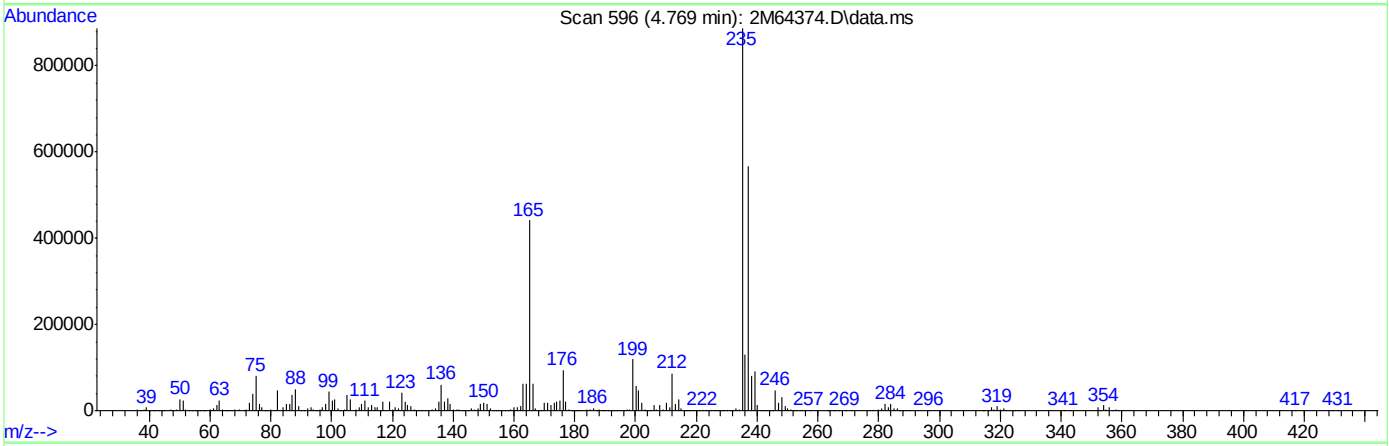
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.92
185.00	13.80	13.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64374.D
Acq On : 13 Jun 2014 10:16 am
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2730,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 10:22:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64374.D\data.ms

(3) PP-DDT (t)

4.769min (+0.011) 15.30ppb

response 637828

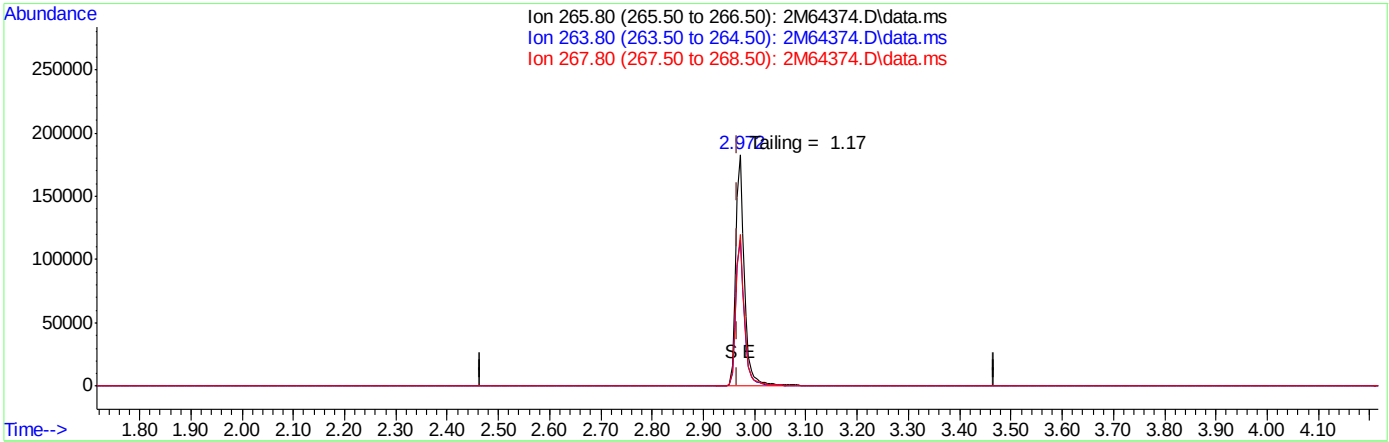
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	54.29
237.00	63.10	63.48
0.00	0.00	0.00

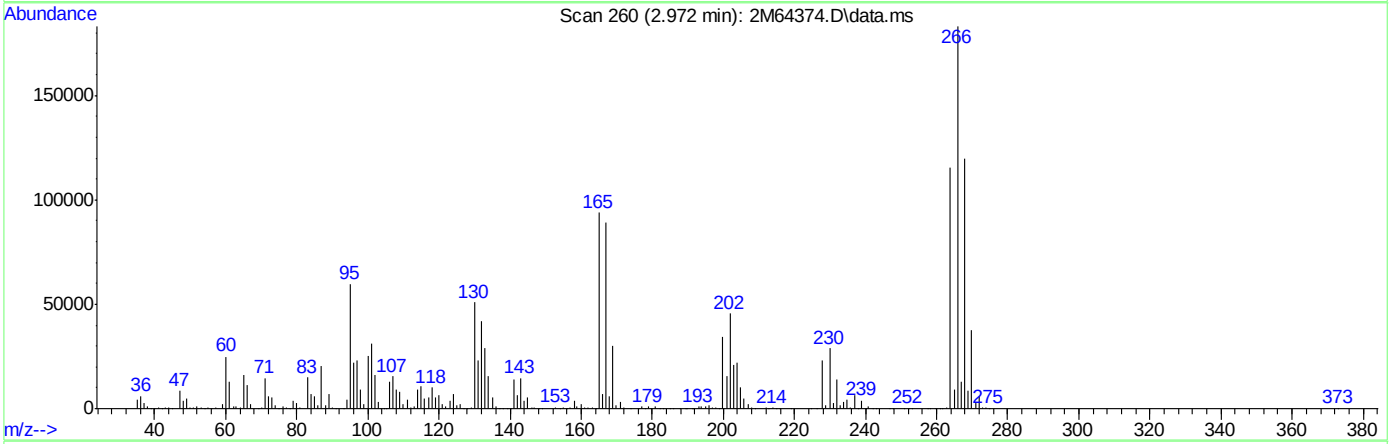
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64374.D
Acq On : 13 Jun 2014 10:16 am
Operator : saumilp
Sample : DFTPP
Misc : op75065,E2M2730,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 10:22:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64374.D\data.ms

(1) Pentachlorophenol (t)

2.972min (+0.005) 14.59ppb

response 219584

Ion	Exp%	Act%
265.80	100	100
263.80	63.20	62.92
267.80	62.90	65.34
0.00	0.00	0.00

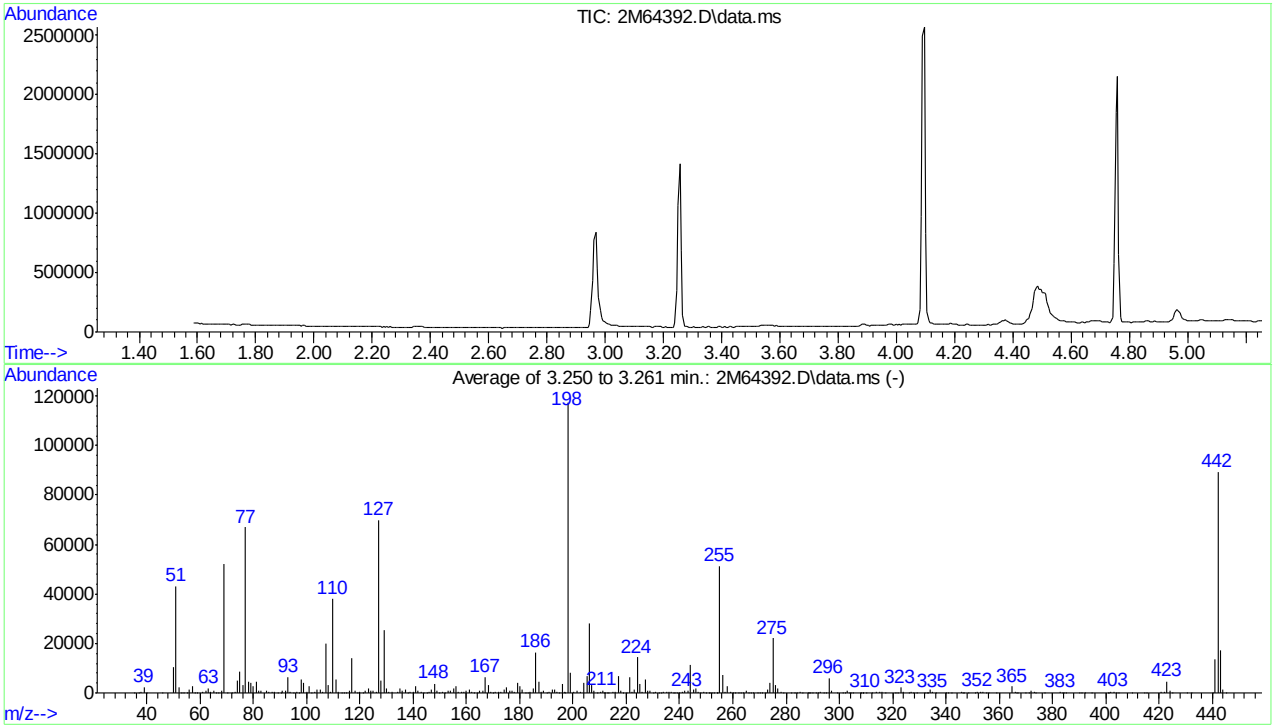
ACCUTEST LABORATORIES JB68318

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64392.D
Acq On : 13 Jun 2014 10:33 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2731,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
Last Update : Fri Jun 13 10:16:42 2014



AutoFind: Scans 312, 313, 314; Background Corrected with Scan 304

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.7	43106	PASS
68	69	0.00	2	1.4	737	PASS
69	198	0.00	100	44.4	52077	PASS
70	69	0.00	2	0.5	237	PASS
127	198	40	60	59.5	69867	PASS
197	198	0.00	1	0.2	258	PASS
198	198	100	100	100.0	117386	PASS
199	198	5	9	6.9	8119	PASS
275	198	10	30	18.8	22058	PASS
365	198	1	100	2.3	2706	PASS
441	443	0.10	100	77.5	13425	PASS
442	198	40	100	76.1	89309	PASS
443	442	17	23	19.4	17321	PASS

Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	67	55.05	88	67.00	70	79.00	3955
36.90	41	56.00	1219	68.05	737	80.00	2913
37.95	379	57.05	2788	69.00	52077	81.00	4547
39.05	2452	58.00	91	70.05	237	82.00	869
39.95	13	59.00	130	72.05	92	83.00	810
45.90	26	61.00	592	73.00	450	85.10	962
50.05	10310	62.00	758	74.10	5001	85.95	644
51.05	43106	63.10	1839	75.00	8491	87.00	510
52.05	2110	64.00	292	76.00	3122	87.90	427
52.95	83	65.05	1058	77.05	66885	89.05	167
54.00	1	65.90	12	78.05	4596	90.30	43

Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	978	101.95	101	113.00	193	124.05	743
92.00	970	103.00	609	114.05	108	124.95	841
93.00	6397	104.05	1482	115.00	16	126.20	284
93.95	484	105.00	1449	116.00	1004	127.10	69867
95.00	78	106.00	406	117.00	14195	128.05	5031
96.10	467	107.05	20001	118.05	1027	129.00	25396
97.00	41	107.95	3240	118.95	196	129.95	1951
98.00	5282	109.10	386	120.05	281	130.95	410
99.00	4205	109.95	37952	121.00	6	132.00	285
99.95	397	111.05	5268	122.00	1103	134.00	602
101.00	2566	112.00	619	123.05	1756	135.00	1871

Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.05	898	147.00	1574	158.05	494	169.05	431
137.10	1191	148.00	3752	159.05	367	170.05	202
138.00	171	149.00	766	160.00	843	170.95	288
139.00	264	149.95	181	161.00	1227	172.00	479
140.00	261	151.05	312	162.00	396	173.05	546
140.95	2901	151.95	88	162.90	83	174.05	1249
141.95	1147	153.05	1080	164.05	186	175.10	2438
143.00	651	154.05	722	165.00	947	176.05	798
144.00	147	155.10	1877	166.05	901	177.00	1088
144.95	214	156.10	2612	167.05	6411	178.05	341
146.00	606	157.05	662	168.10	3166	179.00	4304

Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
180.05	2791	191.05	303	201.55	713	212.10	28
181.05	1546	192.05	1196	202.95	638	212.90	56
182.05	216	193.10	1316	204.10	4029	213.20	61
183.05	111	193.95	274	205.10	6671	214.95	294
184.00	358	194.95	42	206.10	28021	216.00	532
185.00	1852	196.10	3498	207.05	3267	217.00	6753
186.10	16552	196.70	258	208.00	916	218.00	872
187.10	4479	197.00	223	209.00	243	218.70	41
188.00	441	198.00	117386	210.15	361	220.10	179
189.05	975	199.00	8119	211.05	1080	221.10	6162
190.00	206	200.05	546	211.80	103	222.00	354

Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.05	1449	234.00	353	244.10	11213	253.90	139
224.10	14451	235.00	416	245.10	1493	254.10	140
225.10	3777	236.00	268	246.05	1754	255.10	51389
226.05	355	237.00	422	247.00	438	256.10	7163

DFTPP2M.M Mon Jun 16 16:45:20 2014 MS2M

227.05	5506	237.80	23	247.95	105	257.00	588
227.95	787	238.10	32	249.00	364	258.00	2805
229.00	1147	238.95	228	250.10	79	259.05	399
229.95	232	240.00	214	251.00	19	259.85	99
231.05	601	240.95	331	251.20	22	260.90	122
232.10	73	242.05	753	251.95	131	261.90	18
232.95	110	243.05	828	253.00	226	263.00	19

Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
263.90	110	275.10	22058	288.70	42	301.05	63
264.95	978	276.05	3112	289.00	55	301.95	118
265.85	95	277.00	1767	290.00	85	303.05	754
266.70	16	278.00	346	291.00	27	303.90	24
267.75	80	278.85	68	292.00	98	304.10	138
269.30	28	281.90	53	293.00	469	305.10	35
270.05	67	282.95	208	293.90	127	307.90	41
270.95	139	284.10	77	295.10	136	308.10	37
272.00	165	285.05	362	296.05	6128	308.70	37
273.00	1497	285.95	85	297.05	754	309.00	41
274.00	3887	288.00	18	299.20	17	310.05	77

Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
312.00	23	327.90	203	345.90	336	365.00	2706
314.00	286	329.10	21	346.10	109	366.00	433
314.95	591	331.95	133	346.90	91	366.60	16
316.05	376	332.80	63	348.40	21	366.90	20
317.05	91	333.10	91	350.80	18	369.90	21
320.95	174	334.00	1206	351.95	688	370.95	193
322.05	103	335.05	286	353.00	452	372.05	1117
323.05	2069	336.15	50	354.00	675	373.00	312
324.05	450	340.00	23	355.00	165	373.70	18
326.00	17	341.00	149	356.10	21	377.00	22
326.95	349	342.00	68	359.00	32	382.95	302

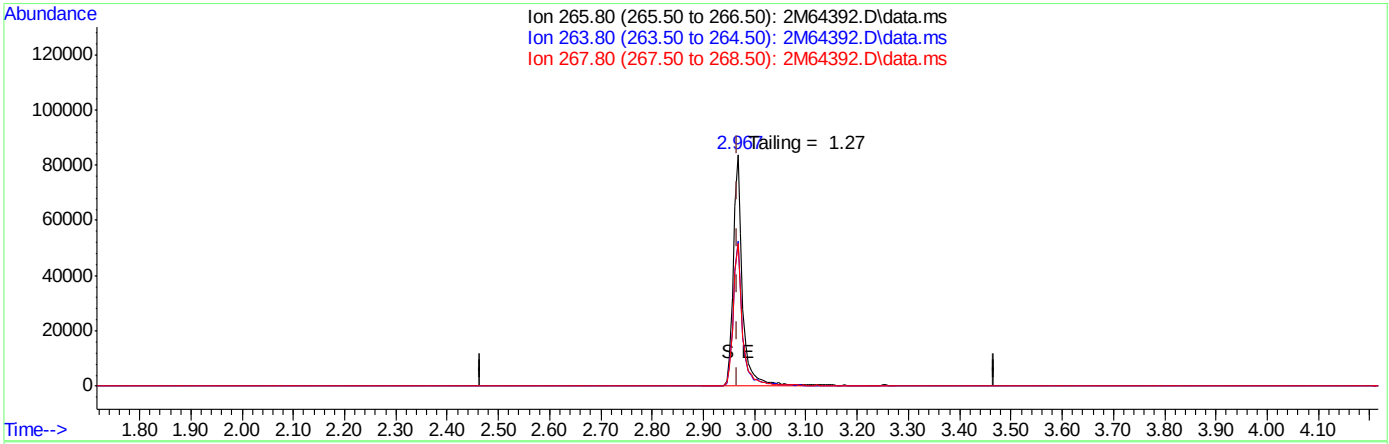
Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

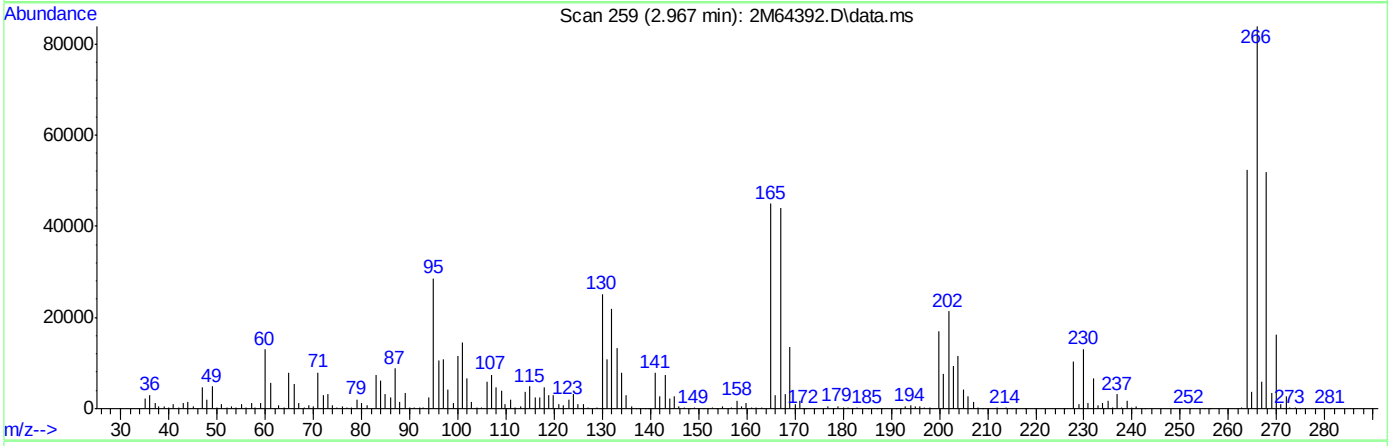
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
383.70	33	403.95	218	432.20	28		
384.00	69	404.80	30	440.10	19		
384.95	43	409.90	19	441.00	13425		
390.05	139	414.40	20	442.05	89309		
390.95	116	415.10	17	443.05	17321		
392.00	68	420.95	661	444.05	1550		
394.80	19	422.05	597	445.00	118		
400.90	55	423.00	4759				
401.10	17	423.95	964				
402.00	492	425.00	143				
403.00	666	430.30	17				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64392.D
Acq On : 13 Jun 2014 10:33 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2731,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 22:39:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64392.D\data.ms

(1) Pentachlorophenol (t)

2.967min (+0.000) 7.09ppb

response 106738

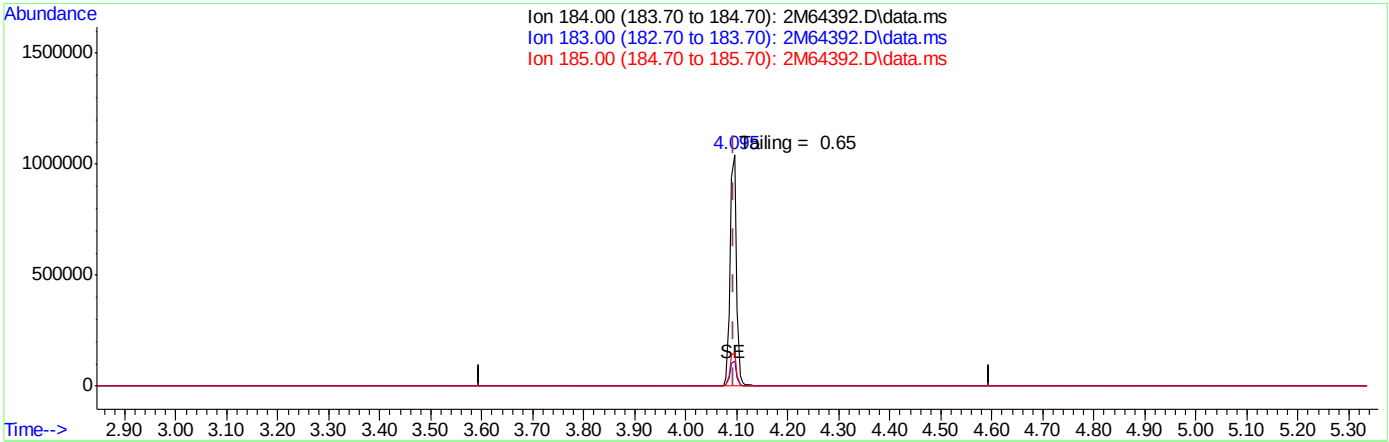
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	62.62
267.80	62.90	61.77
0.00	0.00	0.00

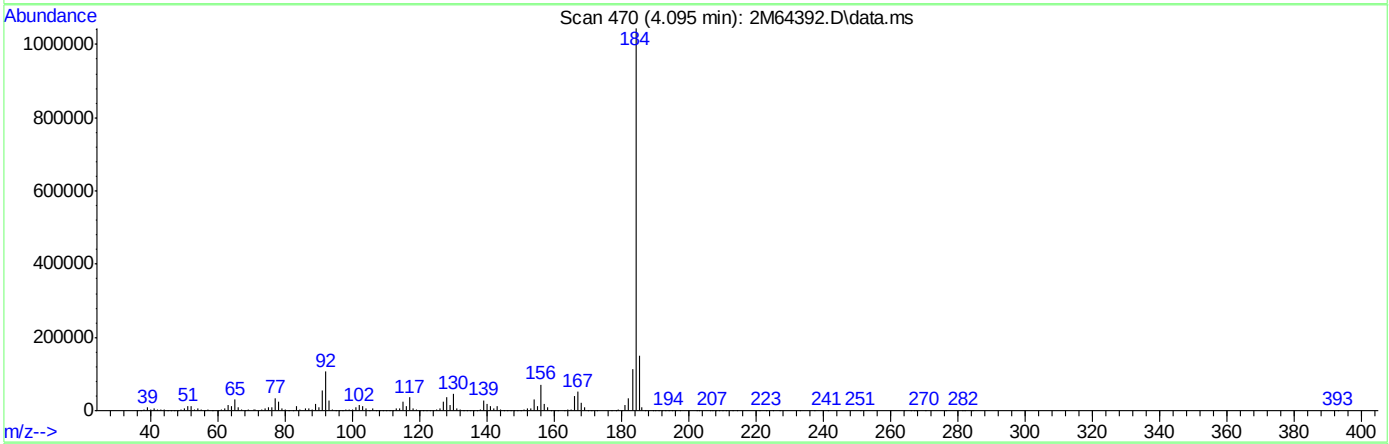
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64392.D
Acq On : 13 Jun 2014 10:33 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2731,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 22:39:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64392.D\data.ms

(2) Benzidine (t)

4.095min (+0.000) 11.59ppb

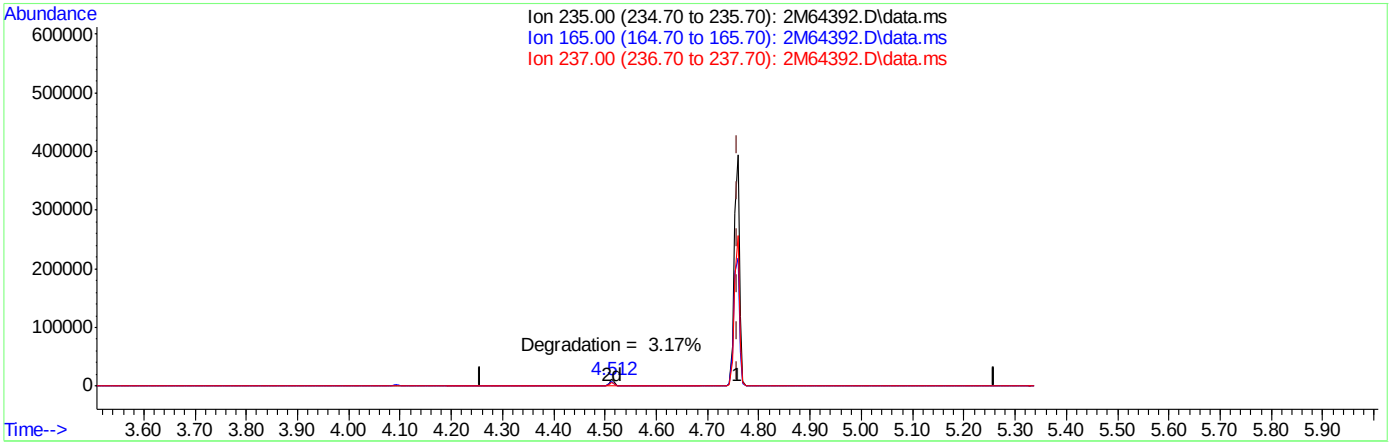
response 898779

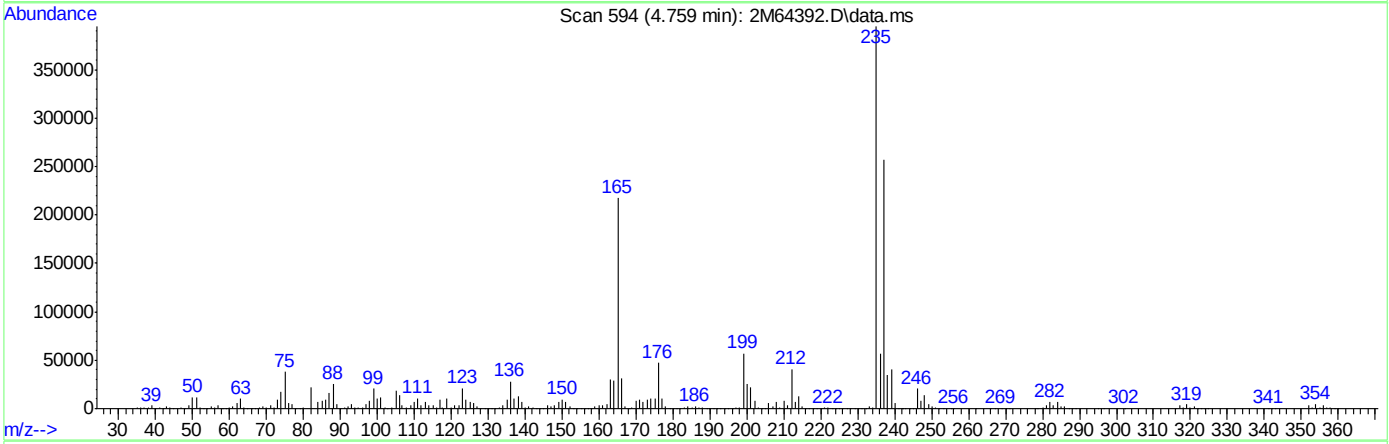
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	11.00
185.00	13.80	14.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64392.D
Acq On : 13 Jun 2014 10:33 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2731,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 22:39:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64392.D\data.ms

(3) PP-DDT (t)

4.759min (+0.000) 6.87ppb

response 286289

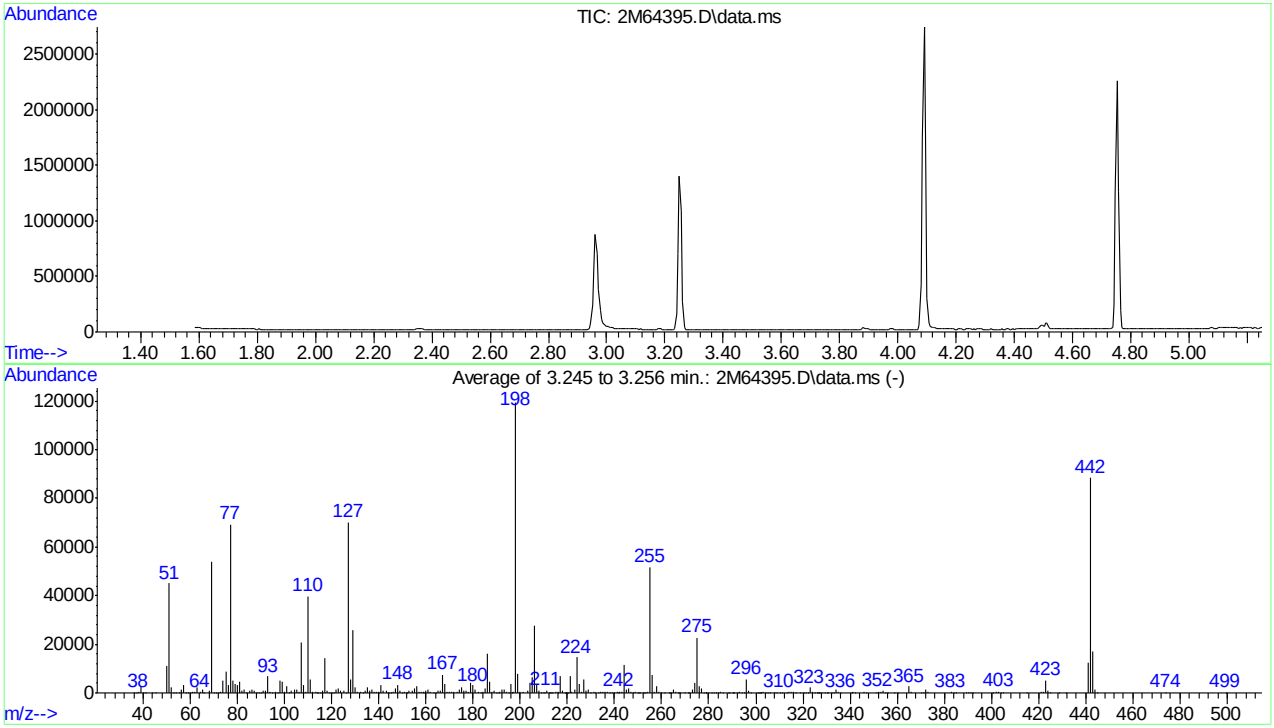
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	60.06
237.00	63.10	63.73
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64395.D
Acq On : 13 Jun 2014 11:36 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2732,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
Last Update : Fri Jun 13 10:16:42 2014



AutoFind: Scans 311, 312, 313; Background Corrected with Scan 306

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.8	45063	PASS
68	69	0.00	2	1.7	898	PASS
69	198	0.00	100	45.0	53724	PASS
70	69	0.00	2	0.4	233	PASS
127	198	40	60	58.8	70234	PASS
197	198	0.00	1	0.3	374	PASS
198	198	100	100	100.0	119365	PASS
199	198	5	9	6.6	7899	PASS
275	198	10	30	19.1	22796	PASS
365	198	1	100	2.2	2587	PASS
441	443	0.10	100	73.7	12456	PASS
442	198	40	100	74.0	88320	PASS
443	442	17	23	19.1	16896	PASS

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	3	53.00	59	64.05	319	76.05	3156
36.90	73	53.90	25	65.05	1244	77.05	69275
38.00	384	55.00	211	65.90	21	78.10	4999
39.10	2726	56.00	1305	68.00	898	79.00	3799
40.00	28	57.00	3160	69.00	53724	80.00	3050
41.05	3	57.90	125	70.00	233	81.00	4640
44.00	61	59.00	13	71.10	104	82.00	1151
45.00	24	59.95	87	71.95	37	83.00	1206
50.05	11224	61.00	459	73.00	441	83.95	67
51.05	45063	62.05	694	74.00	5249	84.95	1034
52.05	2287	63.00	2233	75.00	8940	86.00	1389

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	768	98.00	5297	109.00	481	119.00	194
87.95	230	99.00	4627	110.00	39827	120.00	238
89.00	168	99.95	400	111.00	5481	120.90	114
89.90	19	101.00	2717	112.00	674	122.00	1401
91.00	878	102.05	200	113.05	369	122.95	1834
92.00	1081	103.00	719	113.80	39	123.95	842
93.00	6801	104.00	1614	114.05	84	125.00	912
93.95	591	105.00	1530	115.00	159	126.00	86
94.90	176	106.00	515	116.05	942	127.10	70234
95.90	271	107.05	20740	116.95	14140	128.05	5478
97.05	64	108.00	3433	118.00	1083	129.00	25850

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.00	2315	140.05	353	149.95	194	159.00	297
131.00	446	141.00	3083	150.95	319	160.00	930
132.05	283	142.00	1147	151.80	218	161.00	1439
133.05	131	143.00	790	152.00	94	162.00	473
134.05	739	143.90	146	152.95	780	163.00	138
135.00	2156	144.10	77	154.00	909	164.00	244
136.00	956	144.90	201	155.05	1806	165.00	1089
137.05	1226	146.00	579	156.05	2792	166.05	1166
138.00	285	147.00	1729	157.05	553	167.05	7615
139.00	292	148.00	3462	157.95	677	168.05	3767
139.90	133	149.00	726	158.80	99	169.05	592

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.05	277	181.00	1479	191.10	288	201.50	645
171.05	253	182.05	292	192.00	1334	203.05	790
172.00	473	183.00	105	193.05	1548	204.10	3963
173.05	656	183.95	353	194.00	294	205.10	6346
174.00	1194	185.05	1984	195.10	190	206.10	27749
175.05	2483	186.10	16198	196.05	3806	207.05	3538
176.05	766	187.10	4653	196.70	220	208.00	981
177.00	1002	188.05	532	197.00	374	209.05	239
177.95	380	189.00	981	198.00	119365	210.00	77
179.00	4288	190.05	183	199.00	7899	210.40	183
180.05	3167	190.90	225	199.95	594	211.10	1091

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
212.05	170	219.50	23	228.95	1223	239.95	192
212.90	41	219.90	51	229.95	197	241.00	396
213.20	17	220.20	41	231.05	538	241.90	106
213.80	17	221.10	7108	231.90	103	242.10	575

DFTPP2M.M Sun Jun 15 08:47:11 2014 MS2M

215.05	277	221.70	412	233.00	142	243.05	679
215.90	254	223.00	1421	233.95	344	244.10	11460
216.10	232	224.10	14557	235.00	516	245.10	1449
217.00	6893	225.10	3502	236.00	327	246.00	1944
218.00	1001	226.05	449	236.95	422	246.95	384
219.00	50	227.05	5737	238.00	97	247.90	79
219.20	25	228.00	844	239.05	203	249.00	351

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
249.85	71	259.00	375	269.95	48	279.80	26
250.10	39	259.95	76	271.00	114	281.00	11
250.85	159	261.00	82	271.90	118	282.00	63
252.05	125	263.10	30	273.05	1518	283.00	218
252.80	105	263.75	38	274.05	4085	284.05	137
253.10	101	264.00	66	275.05	22796	285.00	336
253.95	299	265.00	1260	276.05	2812	286.05	86
255.10	51666	265.95	342	277.10	1751	288.10	18
256.05	7518	266.80	19	278.00	247	289.00	110
257.00	537	267.30	20	278.80	16	290.00	66
258.00	2677	267.70	41	279.05	63	290.30	22

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
290.85	64	302.00	19	314.00	348	325.90	25
291.95	94	302.15	130	315.00	620	326.20	23
292.95	401	303.05	663	316.05	362	326.85	228
293.90	114	304.00	213	317.00	56	327.10	182
295.00	169	305.10	19	319.00	16	327.95	170
296.05	5637	305.70	19	320.00	18	329.10	25
297.00	782	308.00	72	321.00	215	330.20	20
297.95	41	309.00	38	321.95	111	330.90	18
300.90	47	310.00	53	323.05	2098	332.05	168
301.10	25	311.00	20	324.00	363	333.00	125
301.50	17	313.10	36	325.00	21	334.05	1274

Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
335.05	367	355.05	126	383.85	65	415.10	31
336.10	34	355.90	19	385.00	21	421.00	606
340.80	20	358.95	40	389.10	21	422.05	609
341.00	325	360.10	25	389.95	182	423.10	5074
341.95	76	365.00	2587	391.05	103	424.10	1007
346.00	376	365.95	396	391.90	75	424.90	102
347.05	50	370.00	55	400.80	29	428.70	21
351.20	26	370.90	101	401.95	469	431.30	24
351.95	703	372.05	1204	403.00	622	441.00	12456
352.95	431	372.95	303	403.95	218	442.05	88320
353.95	723	382.95	325	405.00	17	443.05	16896

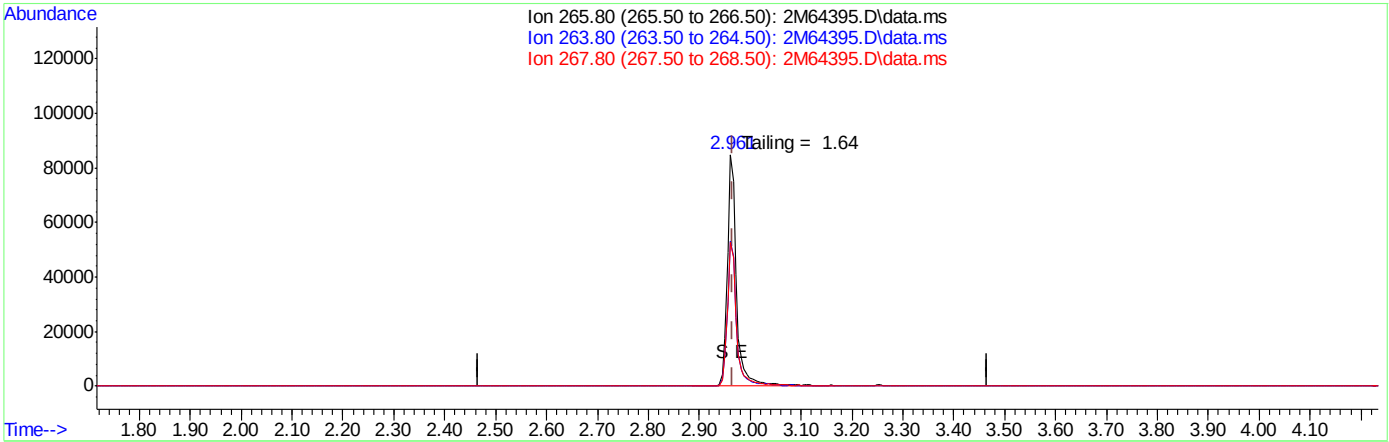
Average of 3.245 to 3.256 min.: 2M64395.D\data.ms
DFTPP
Modified:subtracted

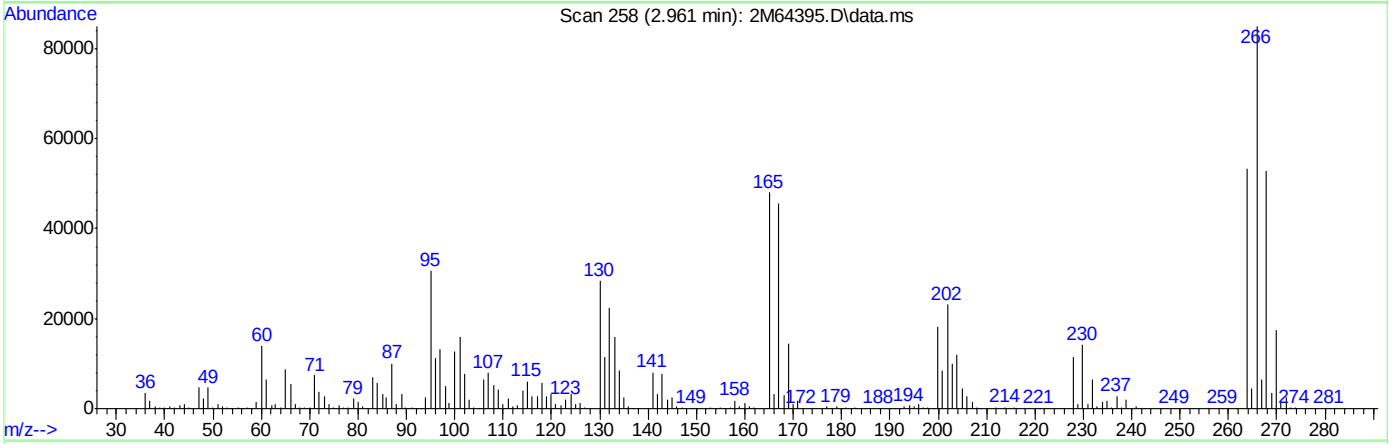
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.05	1536						
444.90	79						
474.00	20						
499.40	22						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64395.D
Acq On : 13 Jun 2014 11:36 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2732,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 23:41:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64395.D\data.ms

(1) Pentachlorophenol (t)

2.961min (-0.005) 7.21ppb

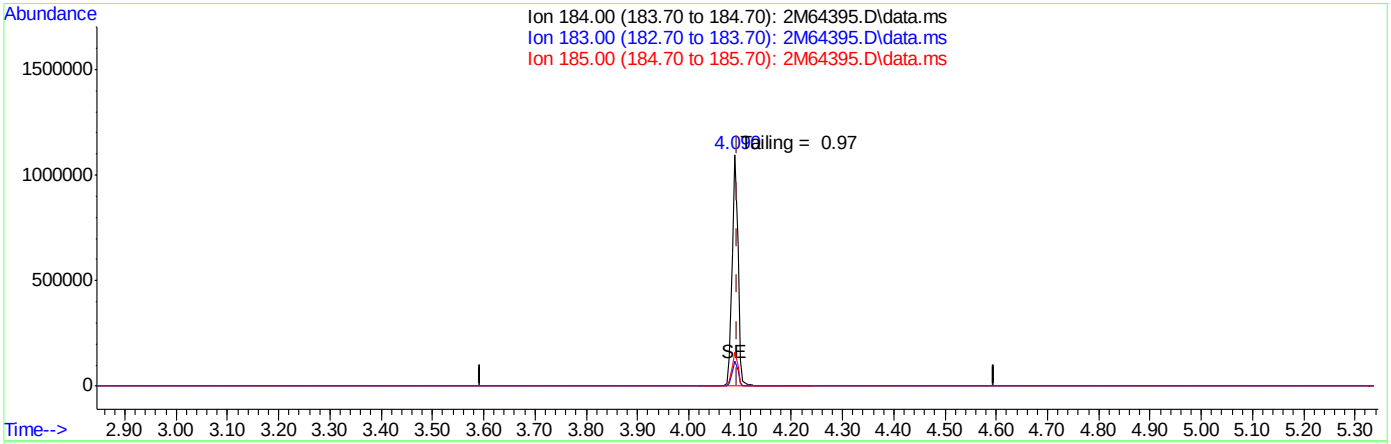
response 108490

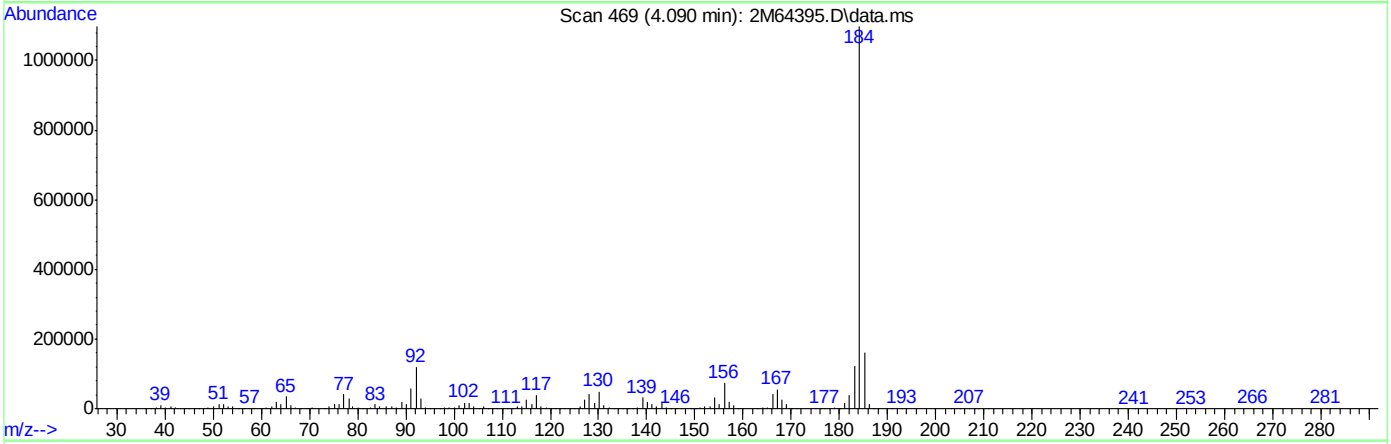
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	62.70
267.80	62.90	62.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64395.D
Acq On : 13 Jun 2014 11:36 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2732,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 23:41:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64395.D\data.ms

(2) Benzidine (t)

4.090min (-0.005) 11.38ppb

response 882039

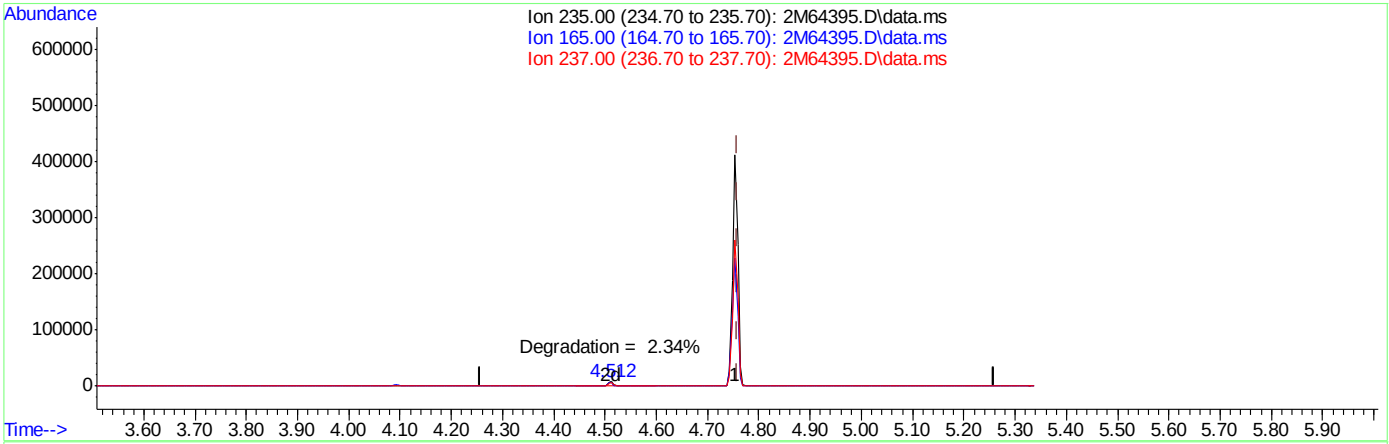
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	11.06
185.00	13.80	14.71
0.00	0.00	0.00

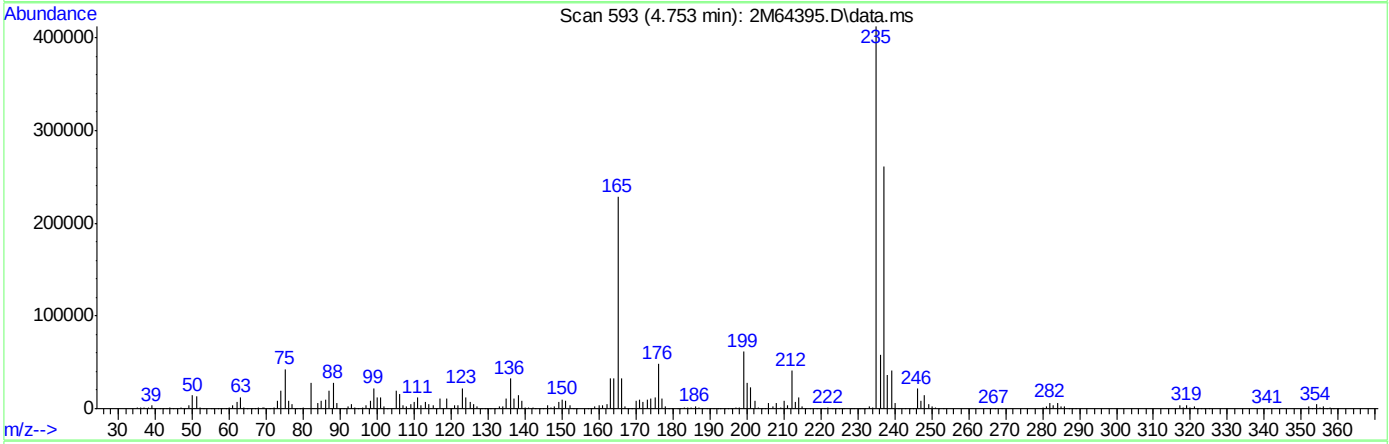
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64395.D
Acq On : 13 Jun 2014 11:36 pm
Operator : andrews1
Sample : DFTPP
Misc : op75065,E2M2732,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 23:41:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Fri Jun 13 10:16:42 2014
QLast Update : Fri Jun 13 10:16:42 2014
Response via : Initial Calibration





TIC: 2M64395.D\data.ms

(3) PP-DDT (t)

4.753min (-0.005) 7.07ppb

response 294778

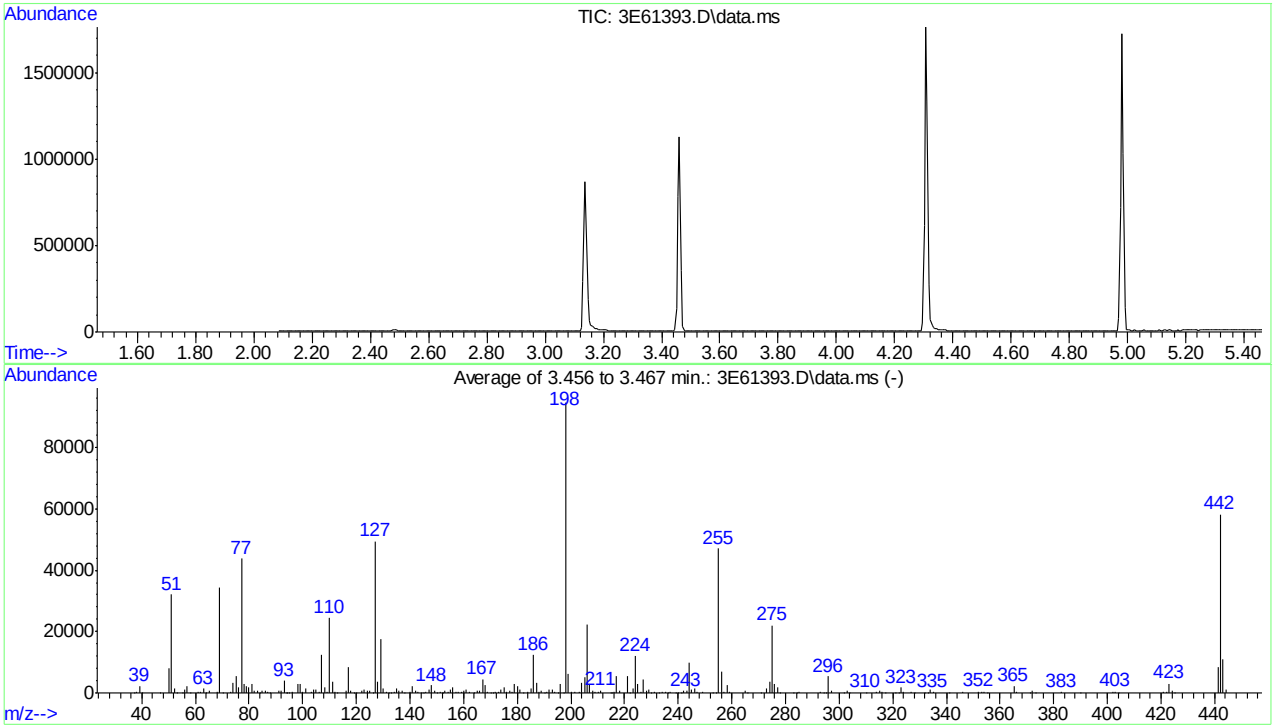
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	57.46
237.00	63.10	63.16
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 257, 258, 259; Background Corrected with Scan 252

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.8	32000	PASS
68	69	0.00	2	1.3	462	PASS
69	198	0.00	100	36.4	34486	PASS
70	69	0.00	2	0.4	149	PASS
127	198	40	60	52.2	49442	PASS
197	198	0.00	1	0.2	195	PASS
198	198	100	100	100.0	94664	PASS
199	198	5	9	6.7	6346	PASS
275	198	10	30	23.3	22082	PASS
365	198	1	100	2.4	2233	PASS
441	443	0.10	100	77.2	8455	PASS
442	198	40	100	61.5	58176	PASS
443	442	17	23	18.8	10948	PASS

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	133	57.00	2363	74.05	3336	85.00	602
38.00	306	57.90	72	75.00	5494	86.00	587
39.10	2332	61.00	432	76.05	1987	87.00	313
39.95	56	62.00	382	77.10	43701	87.90	87
46.90	6	63.00	1329	78.10	2996	91.00	610
50.10	7891	64.00	169	79.00	2318	92.00	642
51.05	32000	65.00	693	80.00	1971	93.00	3928
52.05	1582	68.00	462	81.00	2805	93.90	148
53.00	54	69.00	34486	82.00	736	94.10	143
54.95	159	70.10	149	83.00	754	94.95	117
56.00	957	73.05	226	84.00	106	96.05	221

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
98.00	2963	110.00	24401	124.00	625	135.05	1442
99.00	2883	111.00	3654	125.00	607	136.00	561
99.95	248	111.95	380	126.05	145	136.95	754
101.00	1608	112.95	155	127.05	49442	137.90	179
103.00	498	116.00	619	128.00	3585	139.95	238
103.95	978	117.00	8573	129.00	17658	141.00	2085
105.00	943	118.00	722	130.00	1429	142.00	748
106.00	289	119.00	51	131.00	238	142.95	510
107.05	12459	120.05	161	132.00	171	144.05	123
108.05	1918	122.00	802	132.90	53	145.10	82
109.00	292	123.00	1264	134.00	449	146.00	325

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.05	1094	157.00	295	169.00	469	180.05	2224
148.00	2434	157.95	329	170.00	80	181.10	965
149.00	579	159.00	290	170.90	135	182.05	142
150.05	147	160.00	720	171.95	406	184.00	238
151.10	333	161.05	1007	173.00	543	185.00	1444
151.90	81	162.00	348	174.00	932	186.10	12345
152.10	82	163.90	62	175.00	1700	187.10	3390
153.00	582	165.00	732	175.95	393	188.10	291
154.00	550	166.00	672	177.00	715	189.00	656
155.00	1280	167.05	4503	177.95	208	190.10	62
156.05	1954	168.00	2631	179.00	2960	191.05	352

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	997	204.10	3171	217.00	5419	229.95	143
193.05	1072	205.10	5188	218.00	746	231.00	473
194.00	237	206.10	22300	221.05	5553	232.90	56
194.95	134	207.05	2973	222.00	164	234.00	235
196.05	2834	208.05	711	223.05	1299	235.10	331
197.05	195	209.05	222	224.10	11942	235.95	191
198.00	94664	210.20	303	225.00	2970	237.00	365
199.00	6346	211.05	832	226.00	357	238.95	167
200.00	525	214.90	57	227.05	4418	240.00	67
201.55	495	215.10	90	228.00	730	241.00	192
203.00	549	216.00	410	229.00	945	242.05	629

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
243.05	719	258.05	2513	282.95	146	309.90	50
244.10	9997	258.95	382	284.10	93	314.00	202
245.05	1244	265.00	923	285.05	278	314.95	610
246.05	1593	265.90	83	293.00	396	316.00	346

dftpp3e.M Tue Jun 10 08:37:00 2014 MS3E

ACCUTEST LABORATORIES JB68318

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

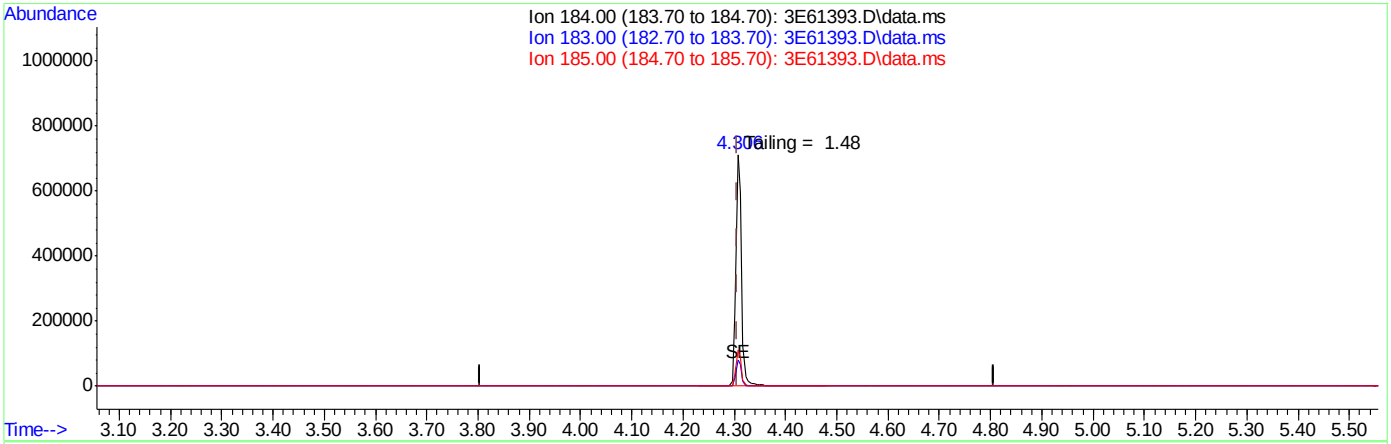
Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

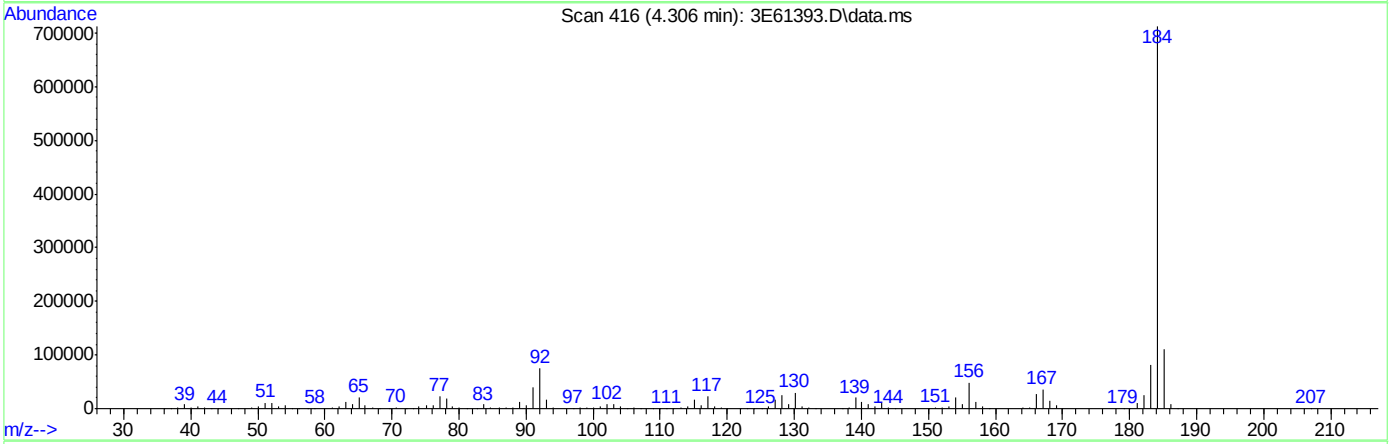
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
331.80	67	365.95	329	423.05	2958		
332.90	71	371.10	94	424.00	719		
334.05	1160	372.05	873	425.10	55		
335.05	230	373.10	185	441.10	8455		
341.00	111	382.95	200	442.10	58176		
345.95	409	390.00	80	443.10	10948		
352.00	430	402.05	267	444.05	1022		
353.05	426	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

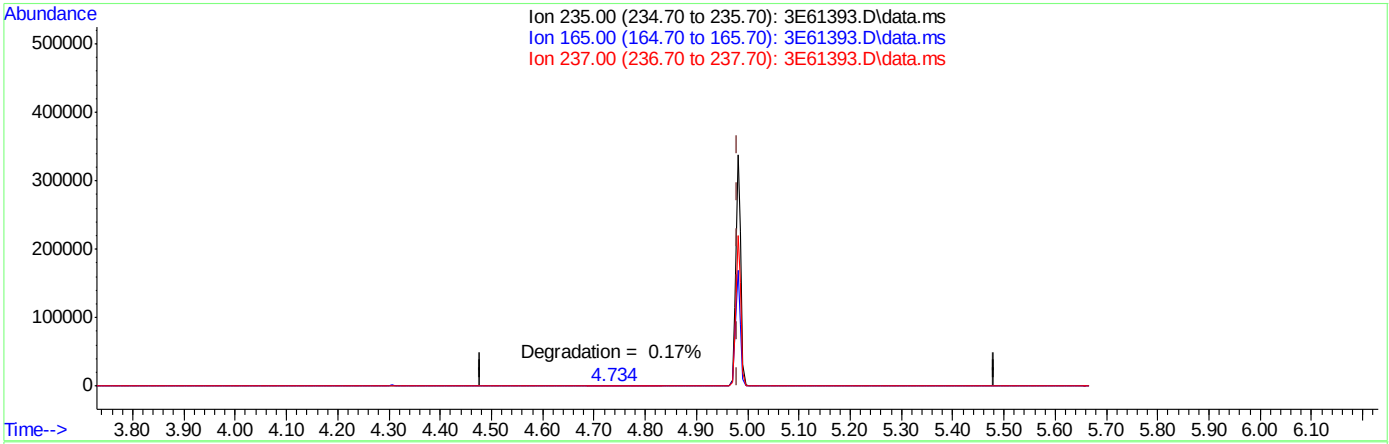
response 565104

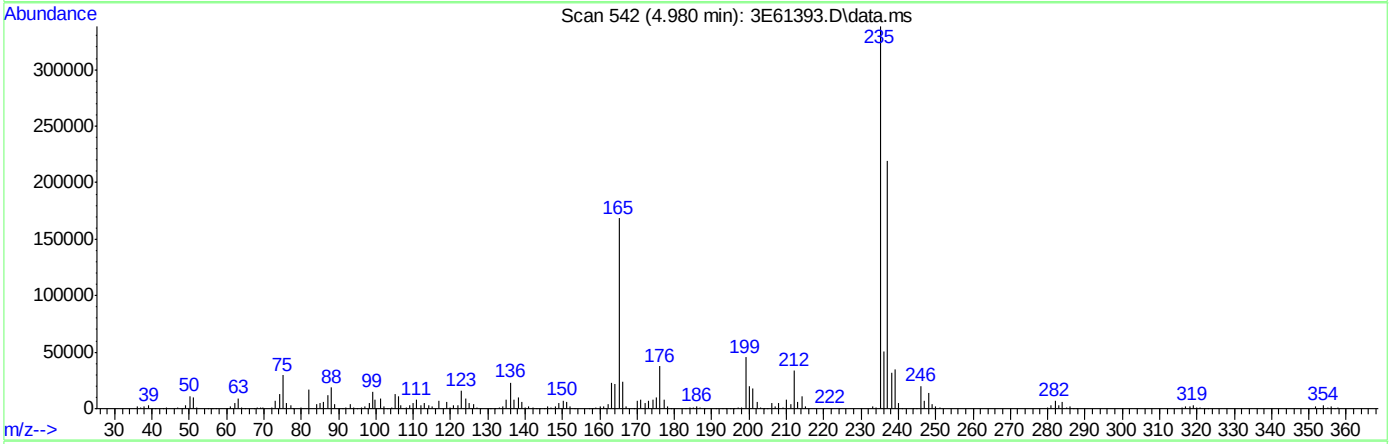
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.50
185.00	15.40	15.70
0.00	0.00	0.00

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

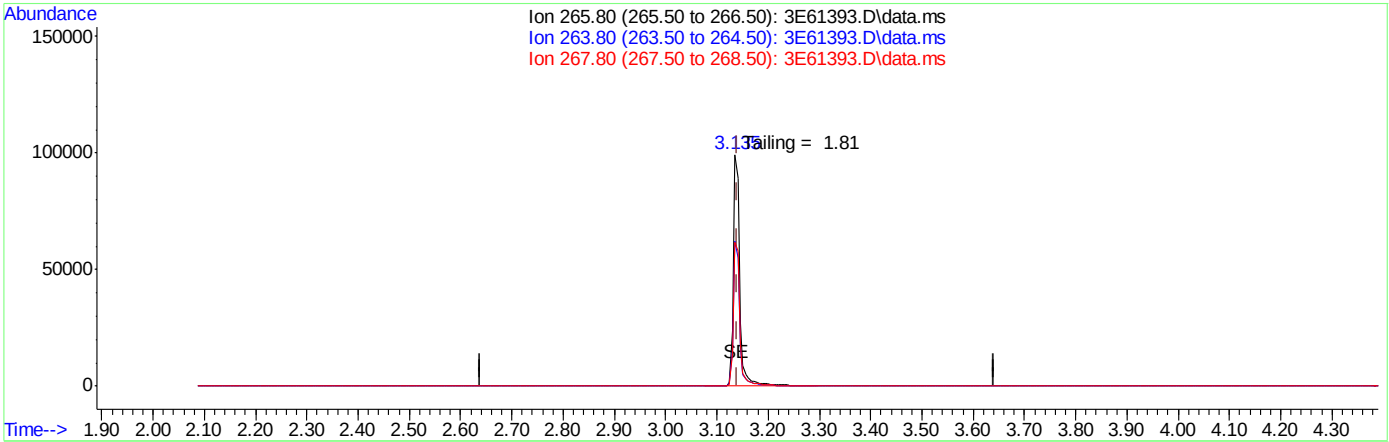
response 231879

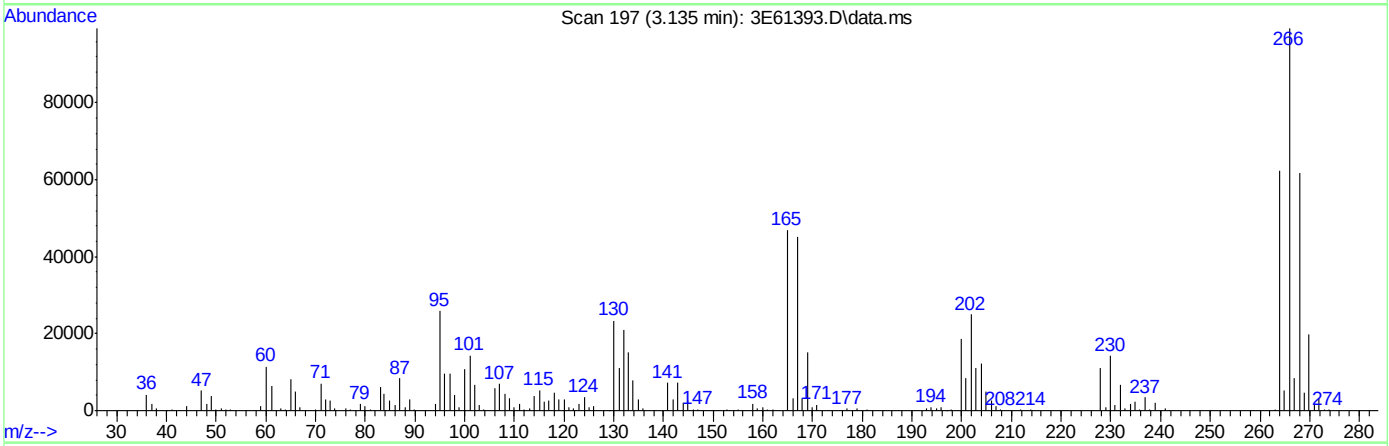
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	48.44#
237.00	0.10	65.39#
0.00	0.00	0.00

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

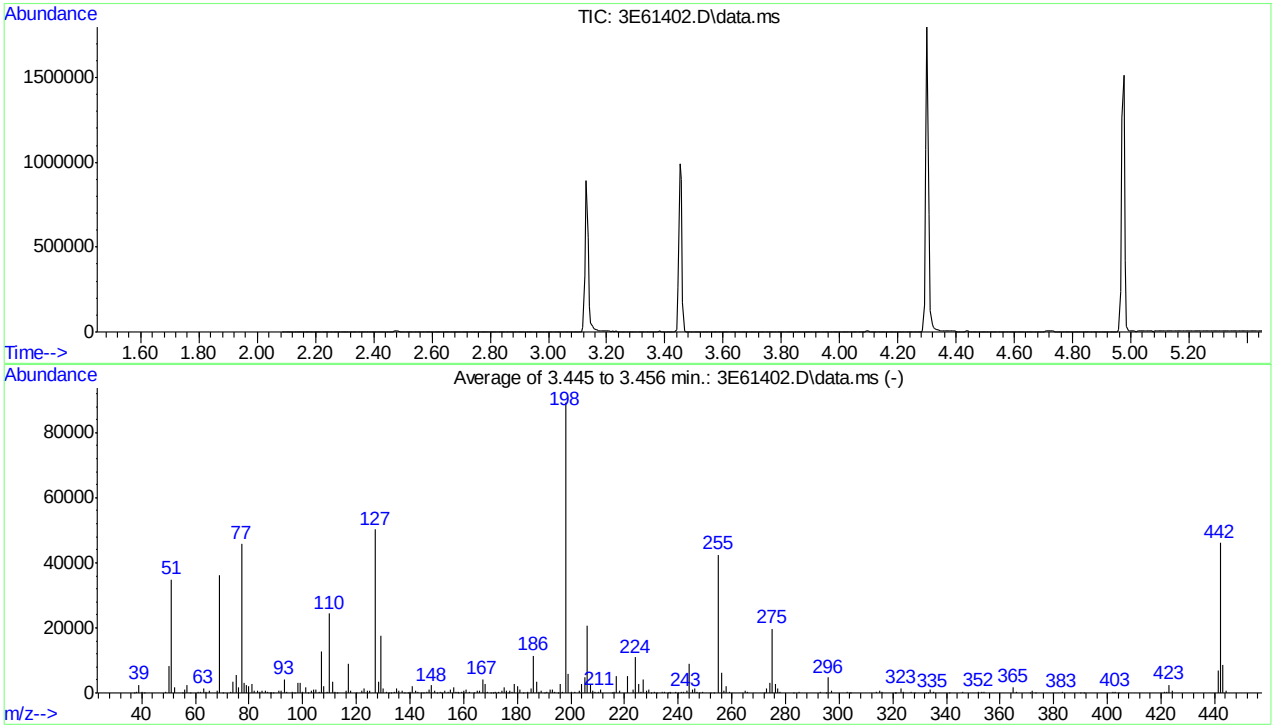
ACCUTEST LABORATORIES JB68318

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 255, 256, 257; Background Corrected with Scan 251

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.1	34890	PASS
68	69	0.00	2	1.6	573	PASS
69	198	0.00	100	40.6	36282	PASS
70	69	0.00	2	0.5	169	PASS
127	198	40	60	56.3	50290	PASS
197	198	0.00	1	0.2	210	PASS
198	198	100	100	100.0	89256	PASS
199	198	5	9	6.8	6029	PASS
275	198	10	30	22.2	19782	PASS
365	198	1	100	2.1	1874	PASS
441	443	0.10	100	77.5	6767	PASS
442	198	40	100	51.6	46063	PASS
443	442	17	23	19.0	8730	PASS

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	67	57.00	2481	74.00	3560	85.00	643
38.00	376	57.90	67	75.05	5577	86.00	865
39.05	2468	60.95	467	76.05	1904	87.00	307
40.00	211	62.00	503	77.10	45797	87.90	69
41.10	52	63.05	1420	78.10	3069	88.10	74
49.00	263	64.05	199	79.05	2470	88.90	60
50.10	8342	65.00	736	80.00	1974	91.05	614
51.10	34890	68.00	573	81.00	2844	92.00	723
52.05	1771	69.00	36282	82.00	783	93.00	4148
55.00	182	70.00	169	82.95	809	94.05	323
56.00	969	72.95	262	83.95	217	95.95	261

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	55	108.00	2084	123.00	1227	135.05	1381
98.05	3084	109.05	278	124.00	564	136.00	587
99.00	3023	110.10	24325	125.00	556	137.00	810
100.05	277	111.00	3474	127.10	50290	137.95	154
101.00	1669	112.05	443	128.10	3623	139.00	50
102.10	65	113.00	122	129.00	17613	140.05	196
103.00	530	116.00	689	130.00	1453	141.00	2201
104.00	1062	117.00	8955	131.00	316	142.05	708
105.00	928	118.00	731	132.05	161	142.95	479
106.00	316	120.05	170	132.95	127	144.00	63
107.05	12689	122.00	735	134.00	492	145.00	81

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.05	355	157.05	308	168.05	2773	178.00	252
147.00	1007	157.80	60	169.00	517	179.00	2873
148.00	2326	158.00	325	170.00	65	180.10	2169
149.05	532	159.00	234	171.00	165	181.00	1017
150.00	59	160.00	643	171.95	359	182.00	135
151.15	222	161.00	957	173.00	452	184.00	189
151.75	172	162.00	267	174.05	824	185.05	1496
153.00	613	164.00	72	175.05	1631	186.10	11498
154.00	479	165.00	760	176.05	562	187.10	3297
155.05	1135	166.00	615	176.90	116	188.00	355
156.10	1856	167.05	4269	177.05	695	189.00	618

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
189.95	107	201.50	452	216.10	377	229.95	155
191.00	278	203.00	592	217.00	5151	231.05	387
192.05	950	204.10	2833	218.00	650	232.00	50
193.10	1082	205.10	4733	221.05	5205	234.00	251
193.95	190	206.10	20670	223.00	1159	235.00	242
195.05	114	207.10	2903	224.10	11016	236.00	155
196.00	2680	208.10	702	225.10	2806	236.80	51
197.00	210	208.95	185	226.10	283	237.05	367
198.00	89256	210.10	194	227.10	4276	239.05	184
199.00	6029	211.00	892	228.05	565	240.05	108
200.05	499	215.00	173	229.05	967	241.05	267

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.00	507	256.10	6248	277.05	1402	314.00	220
243.05	628	257.05	537	278.00	195	314.95	540
244.10	9120	258.00	2218	283.00	166	316.00	339
245.10	1173	259.00	337	285.10	281	320.90	59

dftpp3e.M Thu Jun 05 15:49:58 2014 MS3E

246.00	1448	265.00	845	293.00	319	321.10	111
247.00	288	265.90	189	294.90	50	323.05	1532
248.00	114	271.90	51	296.05	4724	324.00	312
248.95	274	273.05	1408	297.05	687	326.95	255
251.90	54	274.05	3250	302.95	501	328.05	136
253.05	151	275.10	19782	303.90	65	332.05	131
255.10	42462	276.10	2756	304.10	67	333.05	133

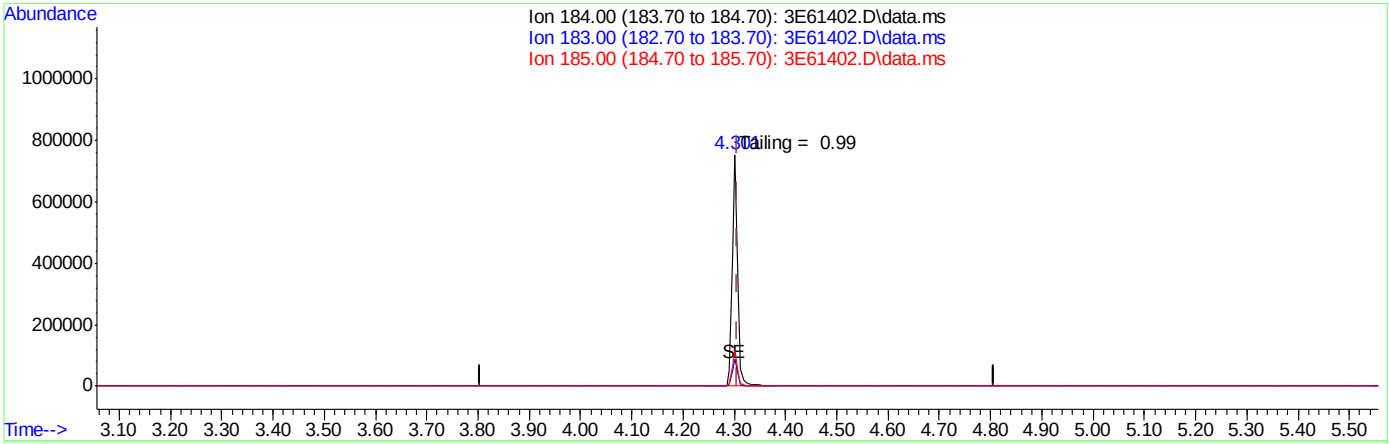
Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

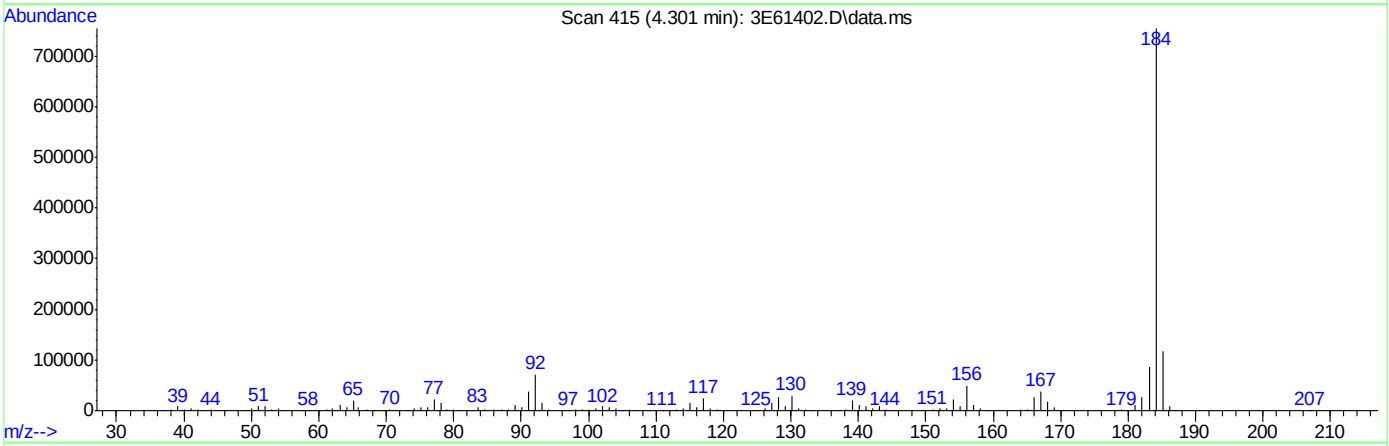
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.05	942	373.00	150	441.10	6767		
335.05	252	383.00	221	442.10	46063		
341.00	148	390.00	63	443.10	8730		
345.95	302	391.10	58	444.05	735		
352.05	500	402.00	293				
353.05	259	403.05	375				
354.00	475	404.00	78				
365.00	1874	421.05	304				
365.95	236	422.00	344				
371.00	115	423.10	2582				
372.05	695	424.05	559				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 21:49:59 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(2) Benzidine (t)

4.301min (-0.005) 51.07ppb

response 536260

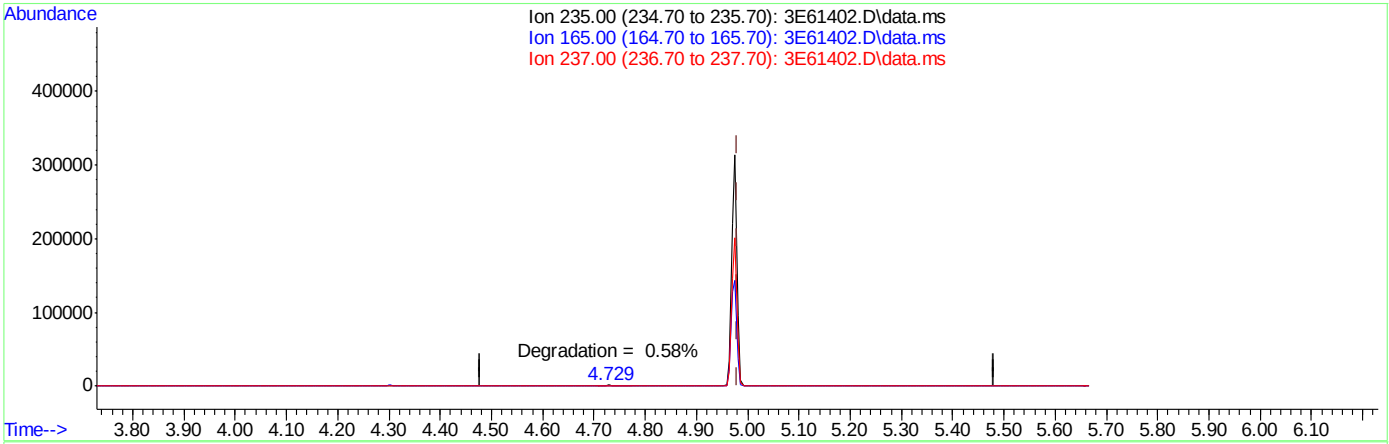
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.58
185.00	15.40	15.45
0.00	0.00	0.00

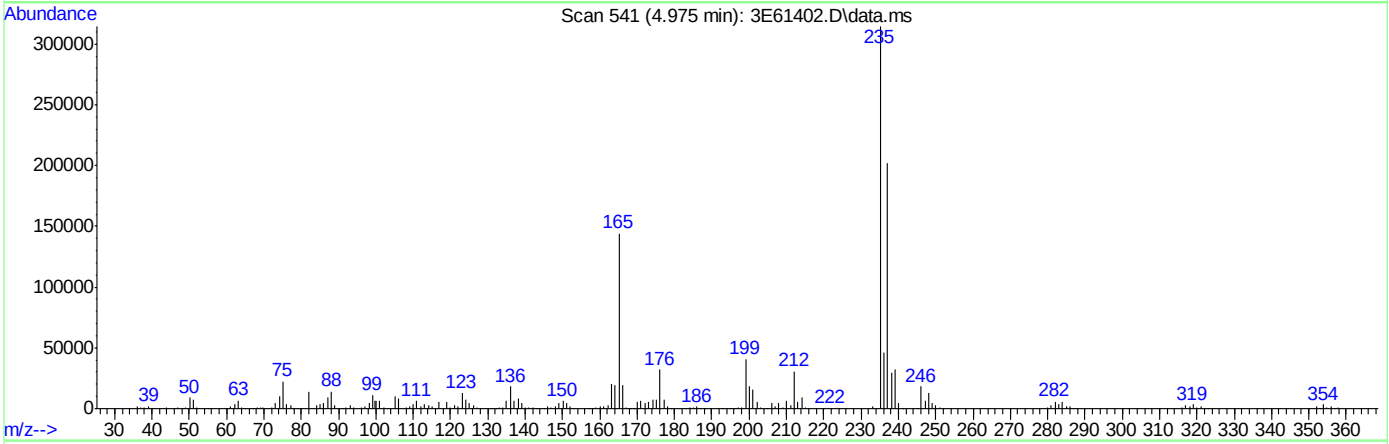
ACCUTEST LABORATORIES JB68318

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

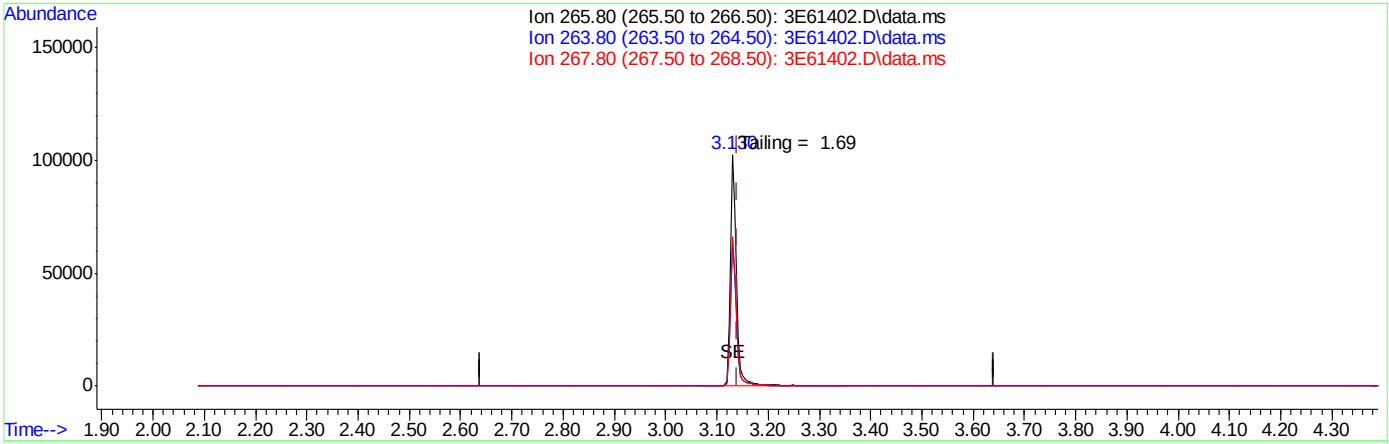
response 216914

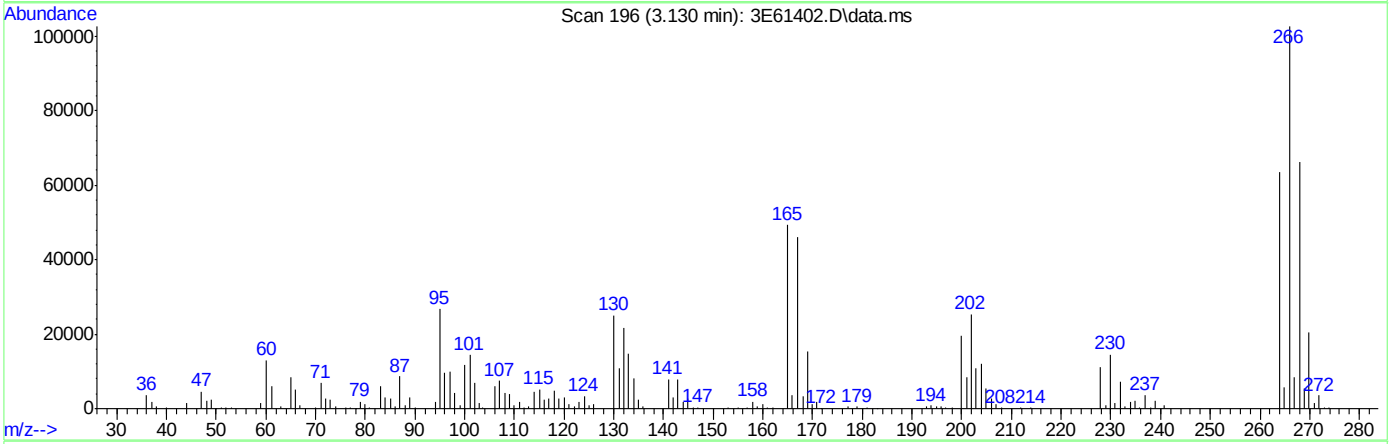
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	49.93#
237.00	0.10	64.65#
0.00	0.00	0.00

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

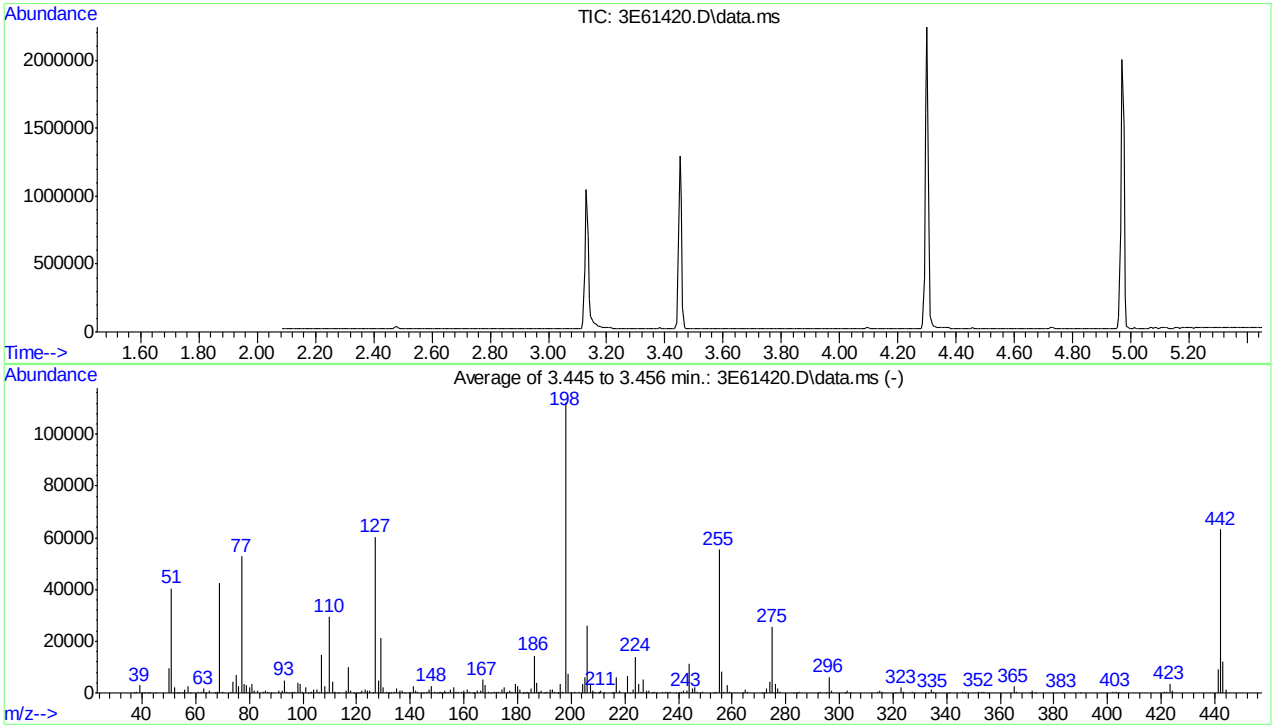
ACCUTEST LABORATORIES JB68318

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

ACCUTEST LABORATORIES JB68318

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

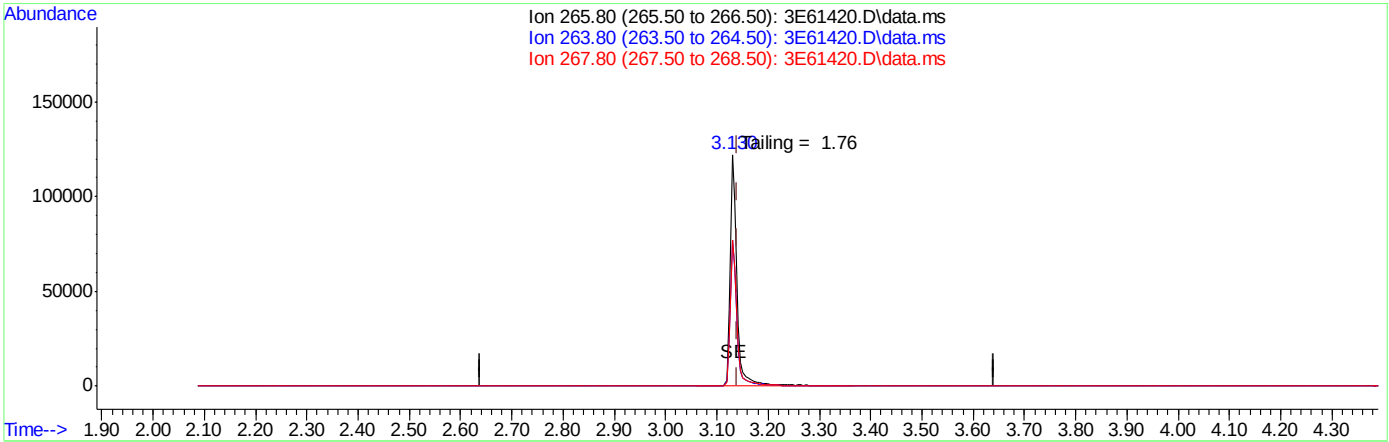
Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

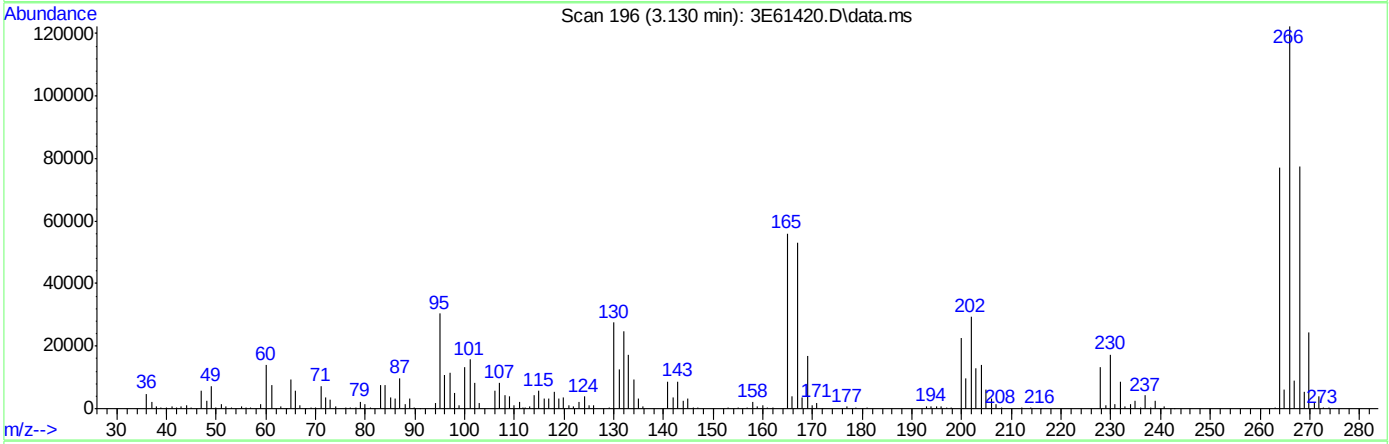
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.00	1101						

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

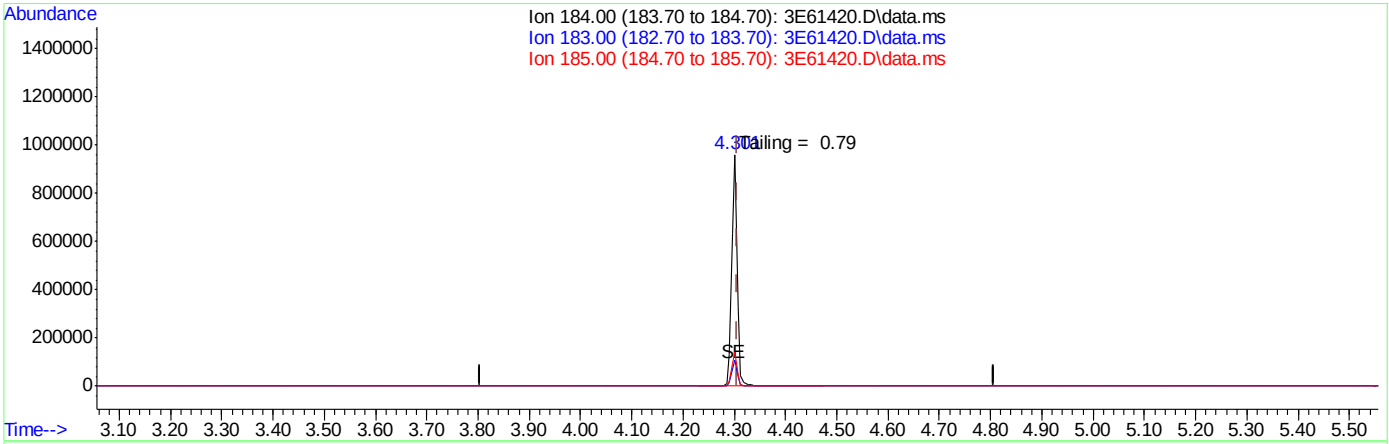
response 111059

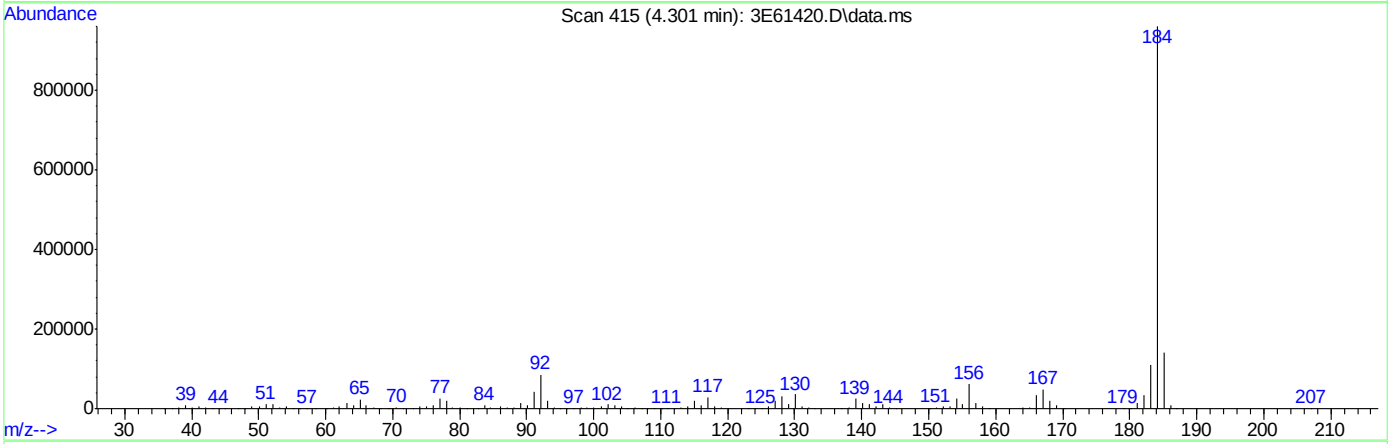
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.92
267.80	64.70	63.18
0.00	0.00	0.00

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

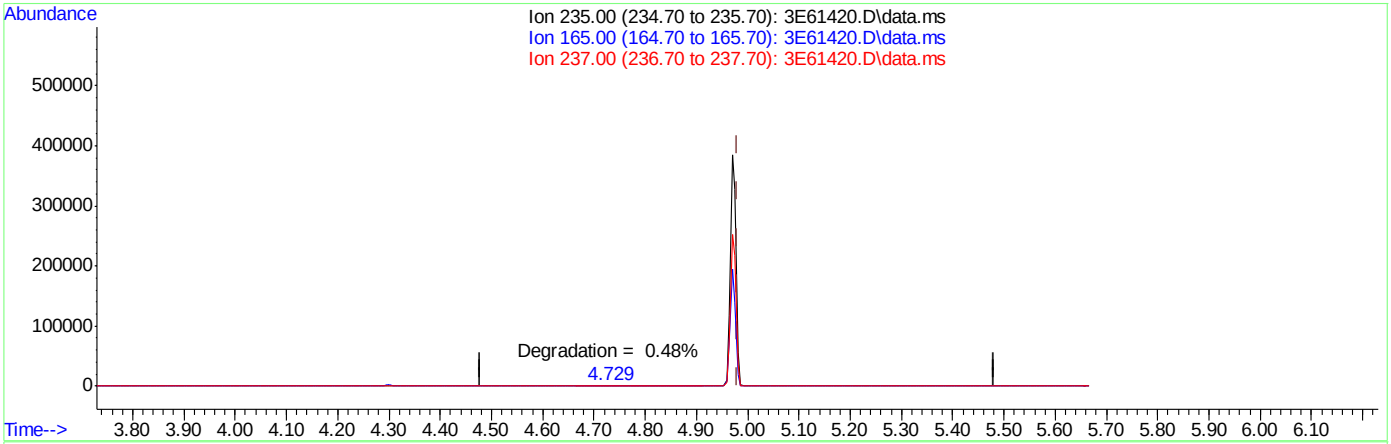
response 698996

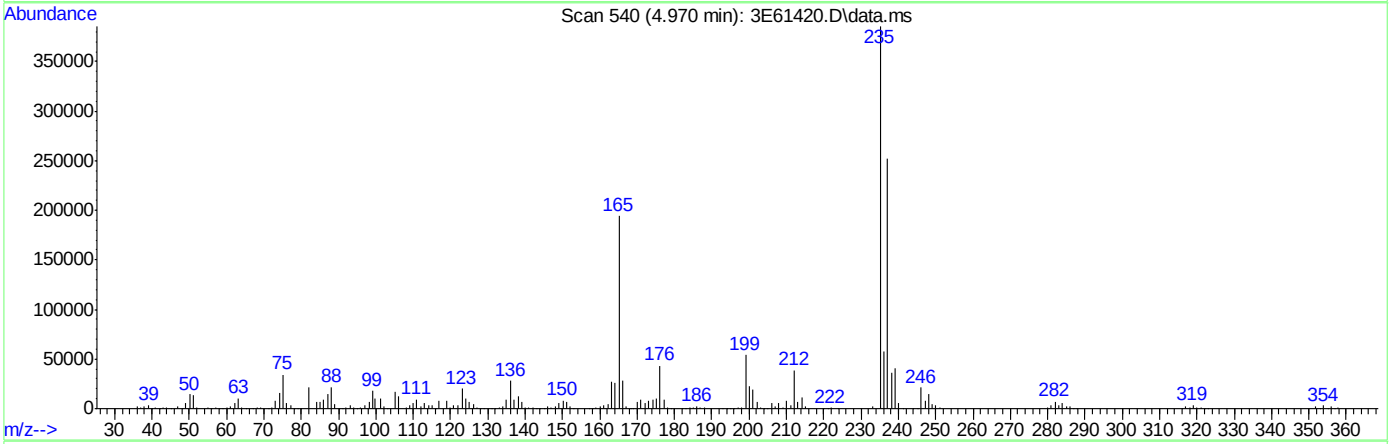
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.53
185.00	15.40	14.68
0.00	0.00	0.00

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

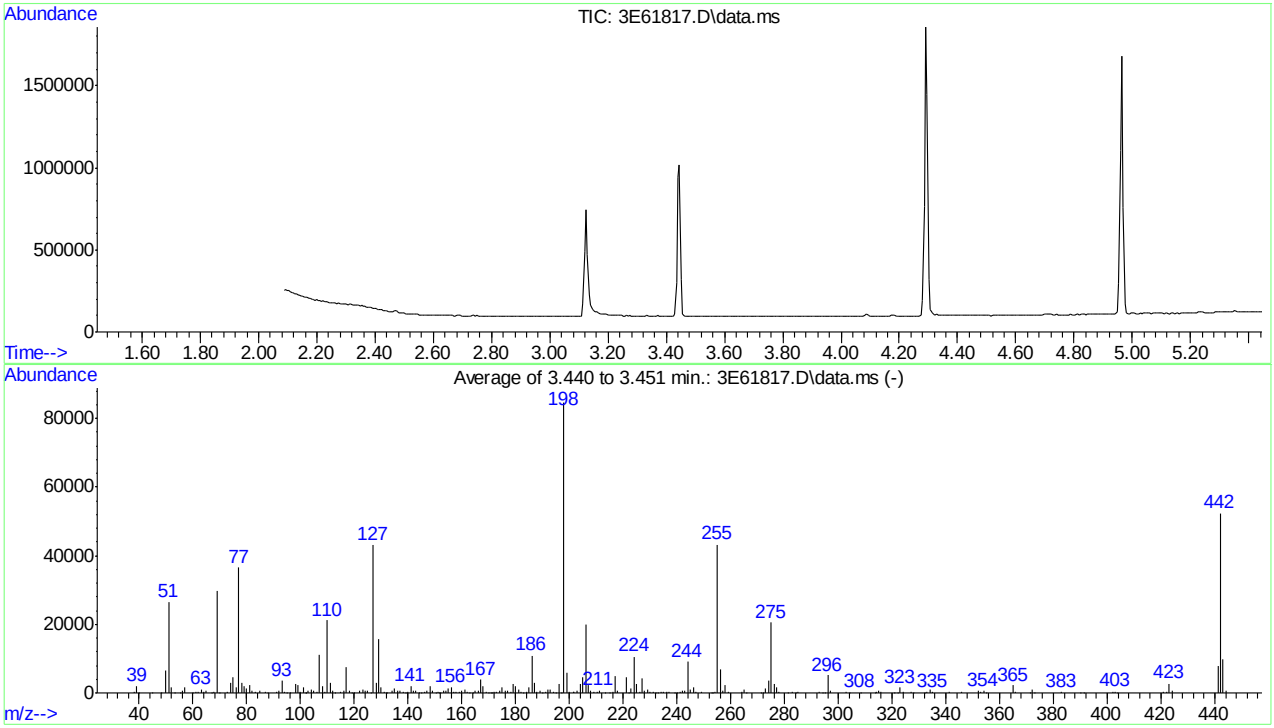
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	48.22#
237.00	0.10	65.53#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61817.D
Acq On : 8 Jun 2014 1:43 pm
Operator : ashleyd
Sample : dftpp
Misc : op74977,e3e2652
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 254, 255, 256; Background Corrected with Scan 249

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.3	26519	PASS
68	69	0.00	2	1.4	416	PASS
69	198	0.00	100	35.2	29832	PASS
70	69	0.00	2	0.6	172	PASS
127	198	40	60	50.8	42989	PASS
197	198	0.00	1	0.2	166	PASS
198	198	100	100	100.0	84653	PASS
199	198	5	9	6.8	5795	PASS
275	198	10	30	24.2	20498	PASS
365	198	1	100	2.7	2284	PASS
441	443	0.10	100	80.4	7817	PASS
442	198	40	100	61.8	52298	PASS
443	442	17	23	18.6	9721	PASS

Average of 3.440 to 3.451 min.: 3E61817.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.95	329	57.00	1783	72.95	228	85.00	506
39.00	1981	59.95	79	74.00	3001	87.00	401
39.90	66	61.00	501	75.00	4705	87.90	75
45.00	35	61.95	410	76.00	1719	91.00	303
48.00	16	63.00	1146	77.10	36480	92.05	605
50.00	6509	64.00	193	78.00	2841	93.00	3453
51.00	26519	65.00	507	79.00	2116	94.00	287
52.00	1729	66.95	67	79.95	1444	94.95	68
53.00	93	67.95	416	81.00	2325	95.95	92
55.05	67	69.00	29832	81.95	565	98.00	2502
56.00	766	70.00	172	83.00	403	99.00	2276

Average of 3.440 to 3.451 min.: 3E61817.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
100.00	255	110.00	21224	123.00	1018	133.95	536
101.00	1540	111.00	3076	124.00	613	135.00	1284
101.90	65	112.00	505	125.00	632	136.00	554
102.10	68	112.95	174	126.10	121	137.00	743
102.95	589	115.00	241	127.00	42989	138.00	179
104.00	859	115.95	617	128.00	3093	138.90	60
104.95	614	117.00	7491	129.00	15602	139.95	214
106.05	268	118.00	576	130.00	1484	141.00	2088
107.00	11014	119.00	107	130.95	413	142.00	591
108.05	1948	120.05	136	131.90	142	142.95	510
109.05	227	122.00	801	132.10	94	144.00	148

Average of 3.440 to 3.451 min.: 3E61817.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.95	167	155.00	1182	166.00	606	176.00	533
145.95	287	156.00	1663	167.00	3840	177.00	743
147.00	809	157.05	366	168.00	1812	178.05	260
148.00	1976	158.00	326	169.00	369	179.00	2751
149.00	573	159.00	323	170.00	150	180.00	1932
150.10	164	159.95	661	170.80	94	181.00	976
151.10	379	161.00	856	171.00	105	182.00	176
151.70	84	161.95	211	171.95	273	183.00	57
152.00	119	163.00	59	173.00	460	184.00	194
153.00	685	164.10	52	174.00	798	185.00	1564
154.05	621	164.95	641	175.05	1534	186.10	10797

Average of 3.440 to 3.451 min.: 3E61817.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
187.05	3102	198.00	84653	209.05	262	224.10	10536
187.95	300	199.00	5795	210.15	196	225.10	2691
189.00	657	200.00	486	211.05	826	226.05	230
190.00	52	201.45	281	213.10	61	227.00	4272
191.00	422	201.70	296	214.95	165	228.00	635
192.00	855	203.00	563	216.00	368	229.00	950
193.00	1134	204.05	2745	217.00	4893	229.95	203
193.95	212	205.05	4592	218.00	694	231.00	458
195.05	120	206.10	19880	221.05	4718	232.00	66
196.00	2602	207.05	2400	221.80	129	233.00	51
196.80	166	208.00	548	223.00	1199	233.90	234

Average of 3.440 to 3.451 min.: 3E61817.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.00	331	247.00	281	265.00	1007	283.05	237
236.00	184	249.00	372	265.80	100	284.10	78
237.05	370	252.90	53	271.00	53	285.05	257
238.95	140	253.10	73	272.00	60	293.00	379

dftpp3e.M Mon Jun 09 15:52:55 2014 MS3E

240.00	67	253.95	178	273.05	1406	294.00	65
241.00	300	255.05	43261	274.05	3486	294.95	131
242.05	597	256.05	6756	275.10	20498	296.00	5183
243.00	640	256.95	512	276.00	2742	297.00	697
244.10	9051	258.00	2289	277.05	1546	303.00	494
245.00	1124	259.00	369	277.90	236	303.95	161
246.00	1623	263.95	176	281.10	71	308.10	50

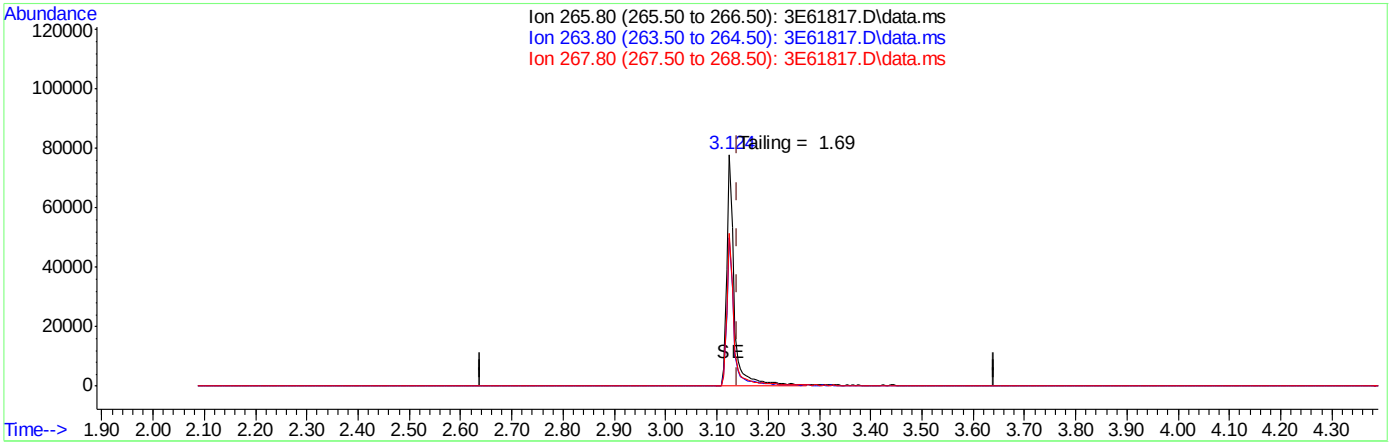
Average of 3.440 to 3.451 min.: 3E61817.D\data.ms
dftpp
Modified:subtracted

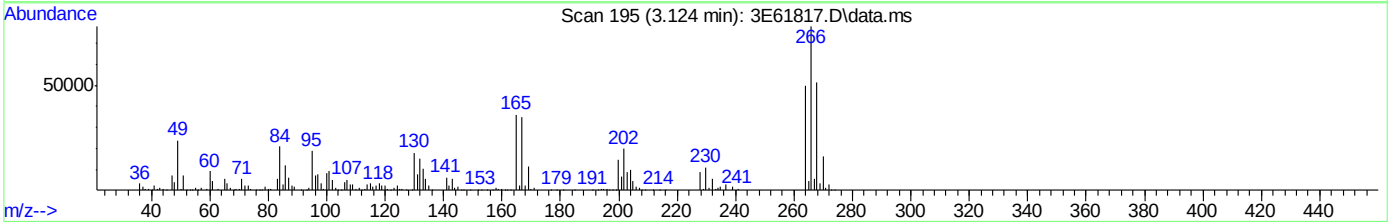
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
313.90	99	333.00	176	371.10	78	423.05	2685
314.05	191	334.05	1037	372.05	898	424.00	541
315.00	565	335.00	228	373.05	153	441.10	7817
316.00	378	341.15	194	383.00	265	442.10	52298
321.00	132	345.95	372	390.00	60	443.05	9721
322.10	62	351.95	526	391.10	66	444.05	825
323.00	1613	353.00	324	401.95	320		
324.00	332	354.05	531	402.95	433		
327.00	350	355.05	144	403.90	95		
327.90	87	365.05	2284	421.00	403		
332.00	79	365.90	312	422.00	381		

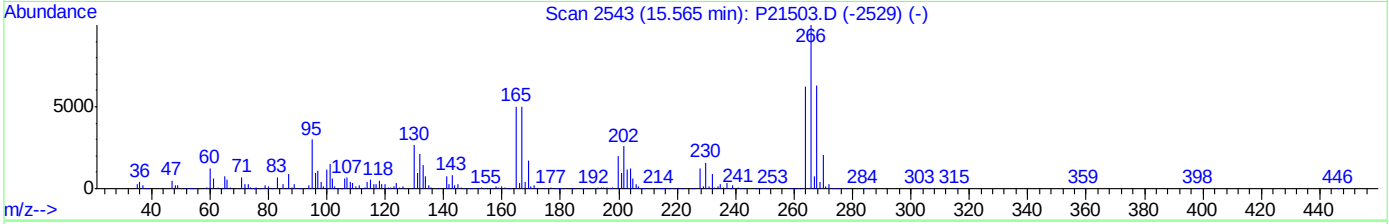
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61817.D
Acq On : 8 Jun 2014 1:43 pm
Operator : ashleyd
Sample : dftpp
Misc : op74977,e3e2652
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 13:49:39 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: 3E61817.D\data.ms

(1) Pentachlorophenol (t)

3.124min (-0.016) 49.88ppb

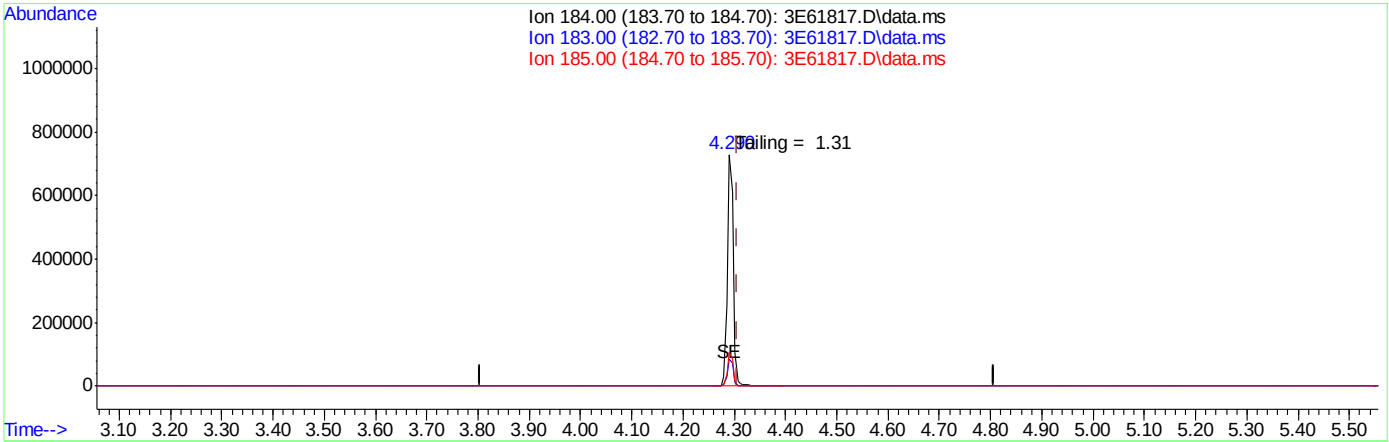
response 77949

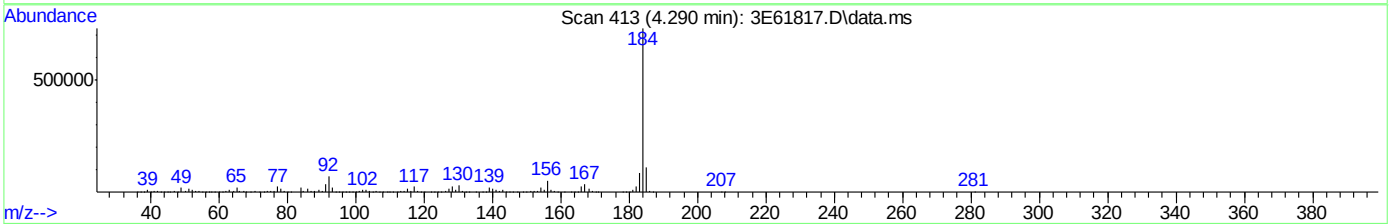
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	64.02
267.80	64.70	65.84
0.00	0.00	0.00

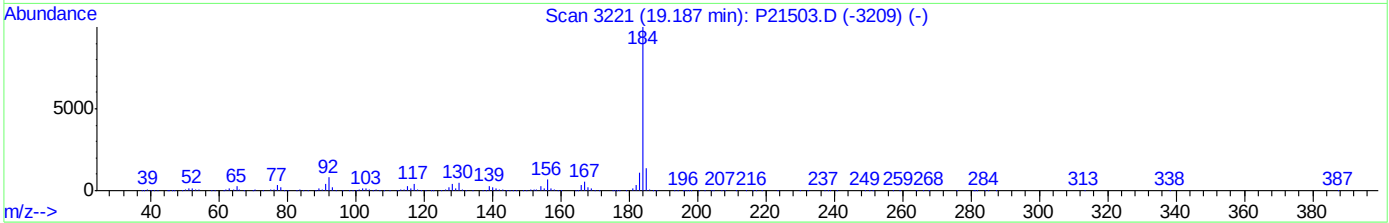
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61817.D
Acq On : 8 Jun 2014 1:43 pm
Operator : ashleyd
Sample : dftpp
Misc : op74977,e3e2652
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 13:49:39 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: 3E61817.D\data.ms

(2) Benzidine (t)

4.290min (-0.016) 54.76ppb

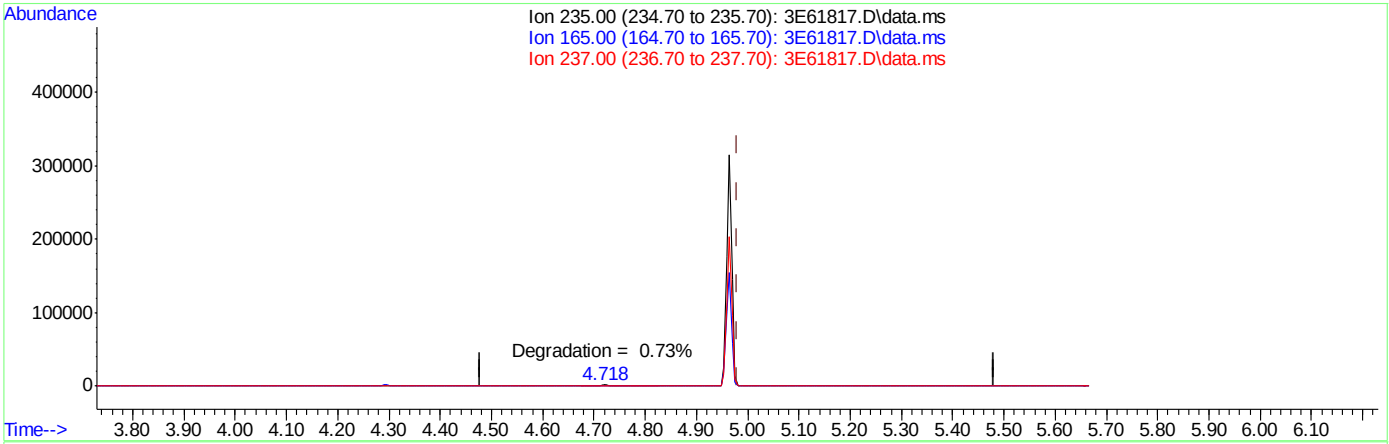
response 575058

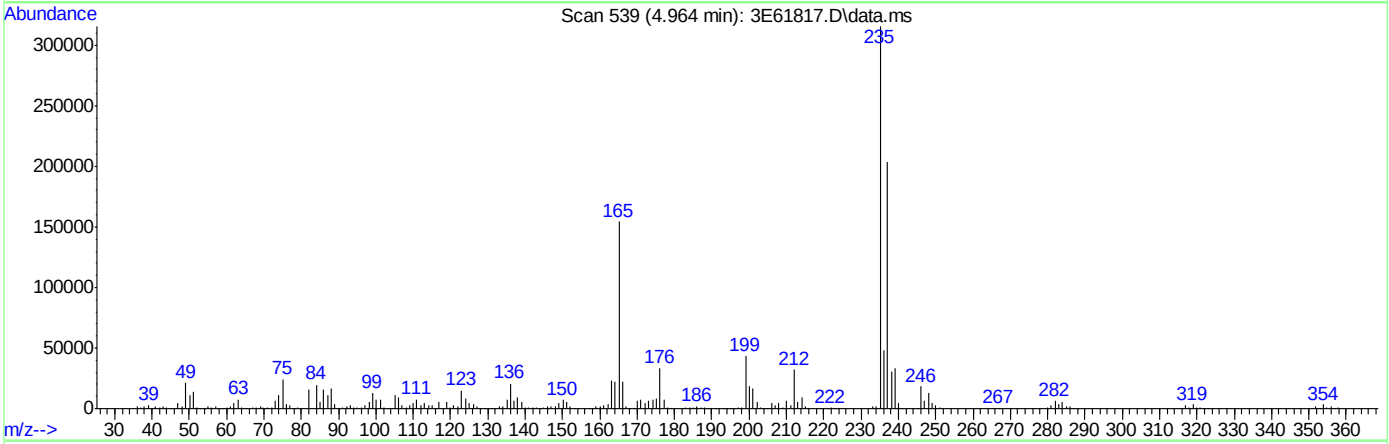
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.59
185.00	15.40	14.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61817.D
Acq On : 8 Jun 2014 1:43 pm
Operator : ashleyd
Sample : dftpp
Misc : op74977,e3e2652
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 13:49:39 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: 3E61817.D\data.ms

(3) PP-DDT (t)

4.964min (-0.016) 52.52ppb

response 218047

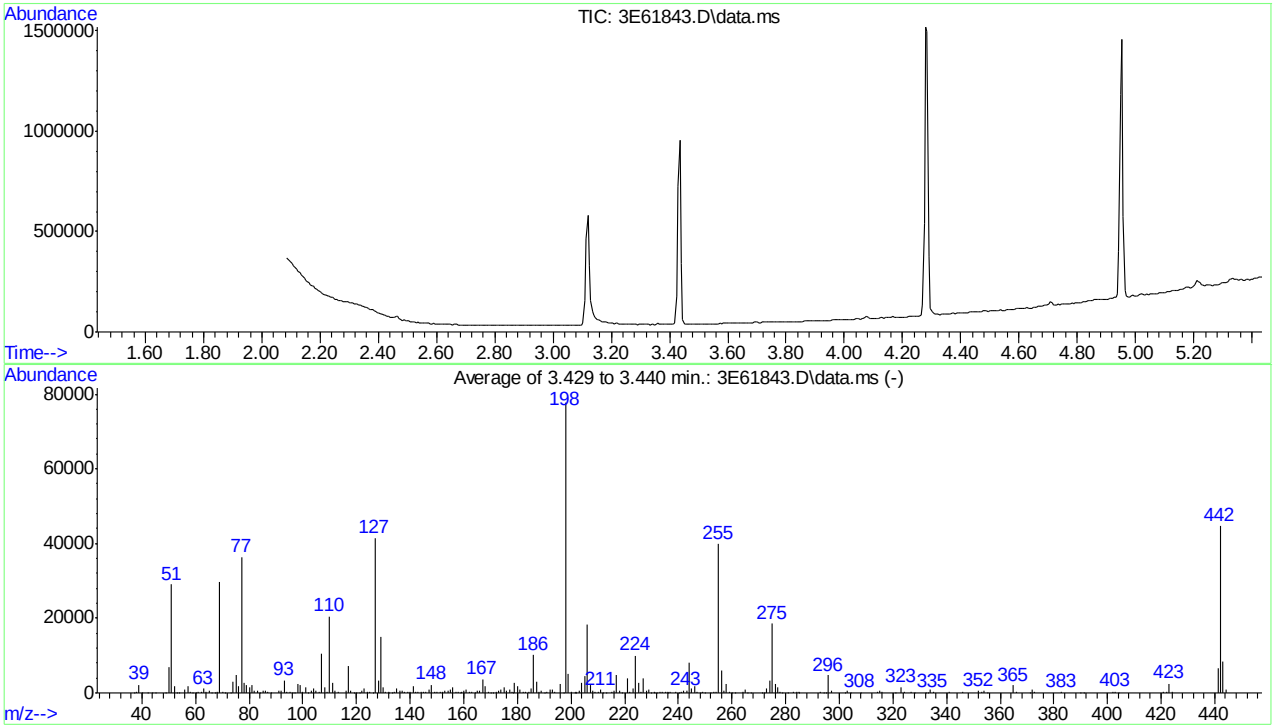
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	49.77#
237.00	0.10	64.89#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 252, 253, 254; Background Corrected with Scan 247

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.4	29053	PASS
68	69	0.00	2	1.0	292	PASS
69	198	0.00	100	38.3	29769	PASS
70	69	0.00	2	0.8	231	PASS
127	198	40	60	53.3	41471	PASS
197	198	0.00	1	0.2	127	PASS
198	198	100	100	100.0	77762	PASS
199	198	5	9	6.6	5150	PASS
275	198	10	30	23.9	18610	PASS
365	198	1	100	2.7	2089	PASS
441	443	0.10	100	78.0	6679	PASS
442	198	40	100	57.4	44658	PASS
443	442	17	23	19.2	8563	PASS

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.95	143	53.00	123	64.95	527	77.05	36377
38.00	248	54.00	21	65.95	119	78.10	2678
39.00	2125	56.00	806	67.05	90	79.00	2022
39.95	48	57.00	1855	68.00	292	80.00	1511
42.00	19	57.95	277	69.00	29769	81.00	2142
44.00	119	59.00	7	70.00	231	82.00	537
45.00	46	60.00	87	71.05	103	83.00	722
48.95	151	61.00	370	73.00	104	83.95	83
50.10	7047	62.00	385	74.00	2909	85.00	500
51.05	29053	63.00	1178	75.00	4810	85.90	597
52.05	1678	64.05	177	76.00	1792	87.00	311

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	144	101.00	1534	112.00	586	125.00	455
91.00	626	102.05	136	113.05	269	126.05	55
92.05	712	103.00	488	116.00	649	127.00	41471
93.00	3402	104.00	1074	116.95	7255	128.05	3285
94.00	248	105.00	709	118.00	683	129.00	15031
95.05	172	105.95	380	119.00	65	130.00	1430
96.00	141	107.00	10564	120.00	80	130.95	232
97.05	42	108.00	1645	121.00	27	131.90	184
98.00	2370	109.00	336	122.00	580	132.10	71
99.00	2155	110.00	20570	123.00	1138	133.05	41
99.90	179	111.00	2699	124.00	455	134.00	344

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.00	1099	146.00	427	157.00	287	167.00	3714
136.05	642	147.05	974	158.00	424	168.00	1818
137.00	643	148.00	2132	158.90	114	169.00	409
138.00	260	149.05	392	159.10	229	169.95	141
139.10	264	150.05	166	160.00	607	170.95	131
139.90	183	151.05	359	161.00	859	172.00	413
141.00	1782	152.05	307	162.00	388	173.00	526
142.00	457	153.05	670	163.10	284	174.00	874
143.00	366	154.00	506	164.10	117	175.00	1499
143.95	202	155.00	944	164.95	629	176.00	523
145.05	168	156.00	1552	166.05	678	177.00	775

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.00	261	188.05	296	200.05	454	210.15	307
178.20	81	189.05	540	201.30	56	211.05	796
179.00	2607	189.95	142	201.60	354	211.70	66
180.00	1877	190.90	403	202.00	65	213.00	60
181.00	964	192.00	942	203.05	572	215.00	184
182.05	291	193.05	826	204.05	2733	216.00	509
182.95	191	194.05	289	205.10	4643	217.00	4842
184.05	259	196.05	2282	206.05	18316	218.00	659
185.00	1334	197.10	127	207.05	2222	219.10	122
186.10	10073	198.00	77762	208.00	567	221.00	4022
187.00	2936	199.00	5150	209.00	341	221.80	182

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.00	1153	233.05	183	244.10	8219	256.05	6098
224.10	9908	233.95	313	245.05	1111	257.05	523
225.10	2644	235.05	359	246.00	1678	258.00	2333
226.10	324	235.90	169	247.00	317	259.00	459

dftpp3e.M Tue Jun 10 16:52:16 2014 MS3E

227.05	3911	236.20	64	248.00	66	260.00	56
228.00	611	237.00	420	248.95	375	261.10	55
229.00	1007	239.05	173	250.00	51	263.95	251
229.95	151	240.05	133	251.95	118	265.10	979
230.90	134	241.00	314	253.05	227	265.85	42
231.05	273	242.00	568	254.05	266	267.00	51
232.10	66	243.05	667	255.05	39797	271.05	121

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
272.00	68	284.90	59	314.05	251	335.00	292
273.00	1322	285.10	195	315.00	518	341.00	179
274.05	3199	293.00	388	316.00	279	346.00	348
275.10	18610	294.10	57	321.00	156	352.05	467
276.05	2434	295.10	87	323.05	1506	352.95	398
277.00	1451	296.00	4750	324.10	326	354.05	483
278.05	283	297.00	703	326.95	358	355.00	60
278.90	52	302.00	56	328.00	79	365.00	2089
281.00	57	303.05	660	332.00	60	365.95	344
283.05	261	304.05	154	333.00	94	371.00	77
284.15	192	307.90	68	334.05	1014	372.00	802

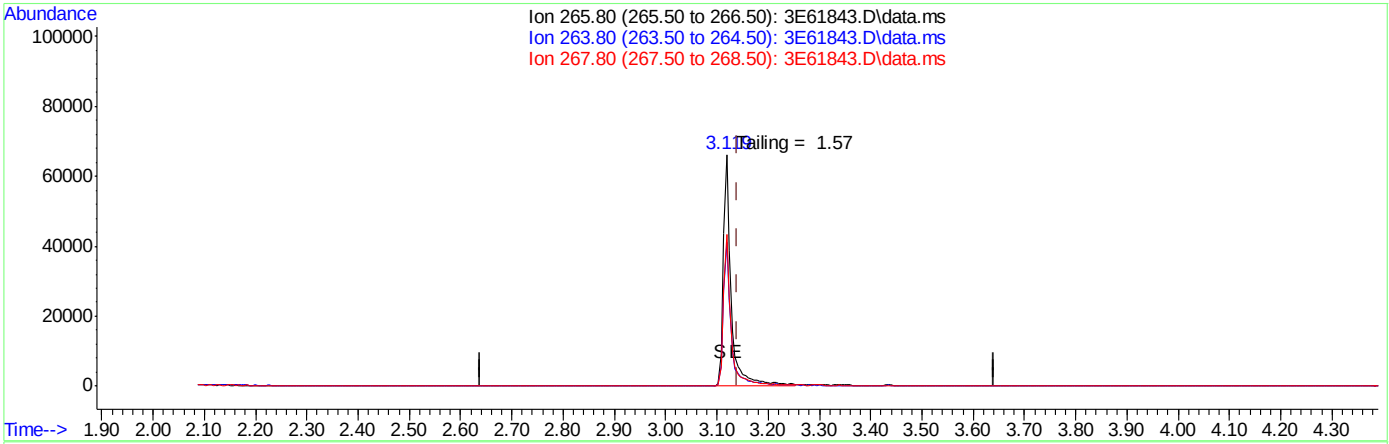
Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

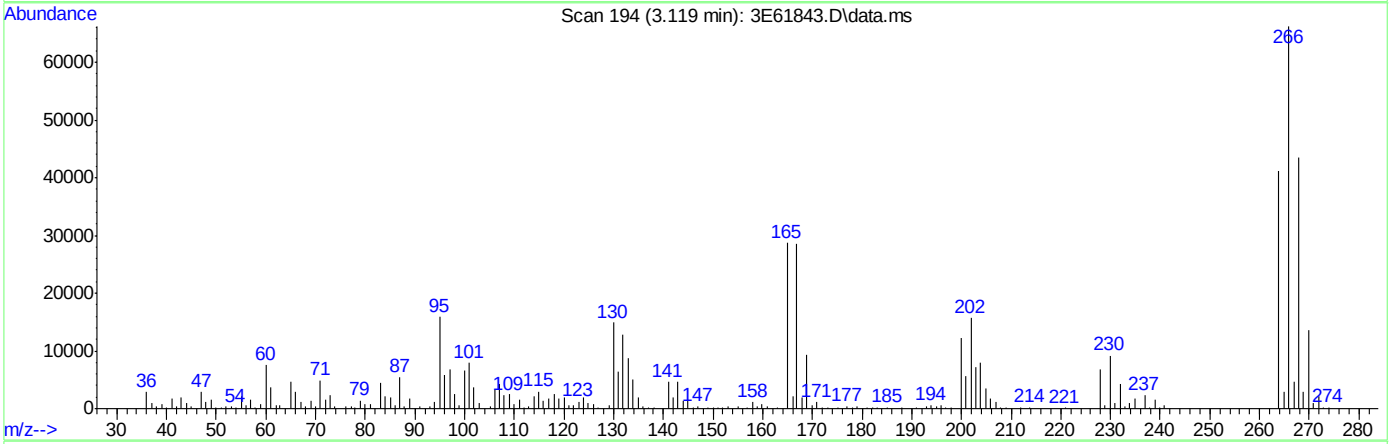
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
372.95	203	441.10	6679				
382.95	175	442.10	44658				
390.00	57	443.10	8563				
391.00	56	444.05	842				
402.00	241						
403.00	394						
404.10	72						
420.95	379						
422.05	273						
423.05	2431						
424.05	452						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:12:41 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61843.D\data.ms

(1) Pentachlorophenol (t)

3.119min (-0.021) 44.73ppb

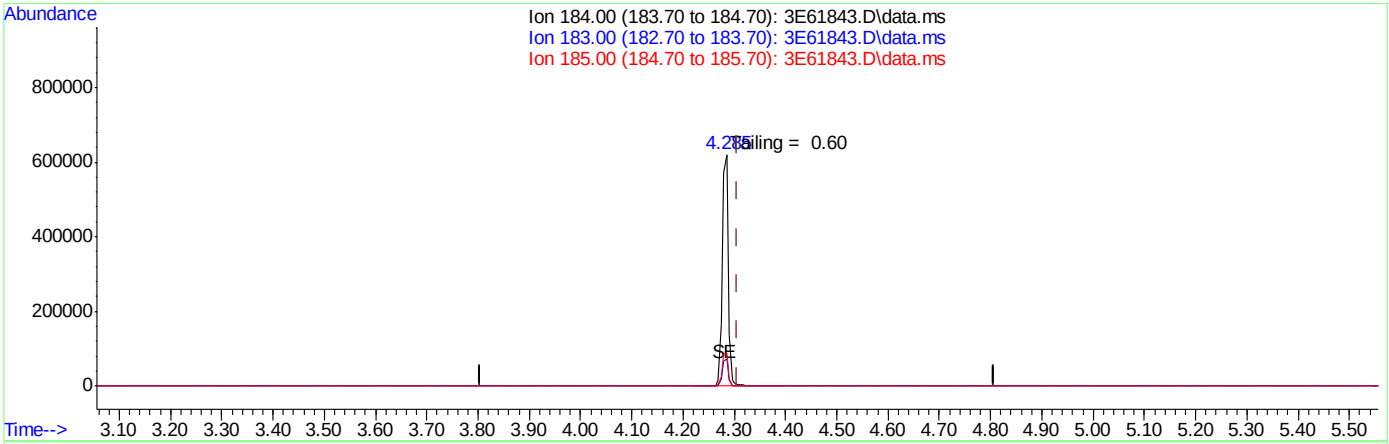
response 69898

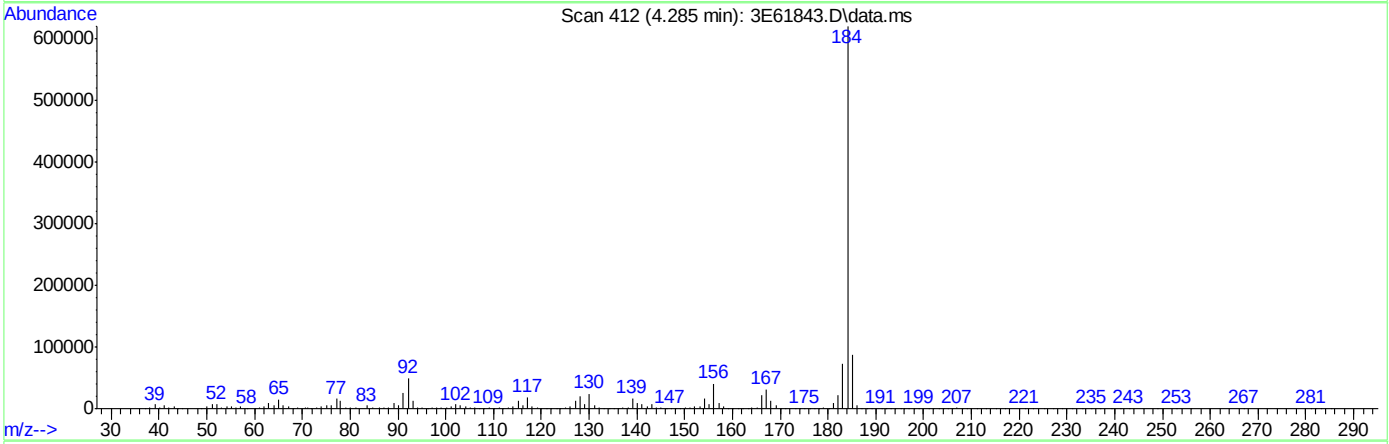
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.98
267.80	64.70	65.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:12:41 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61843.D\data.ms

(2) Benzidine (t)

4.285min (-0.021) 48.02ppb

response 504260

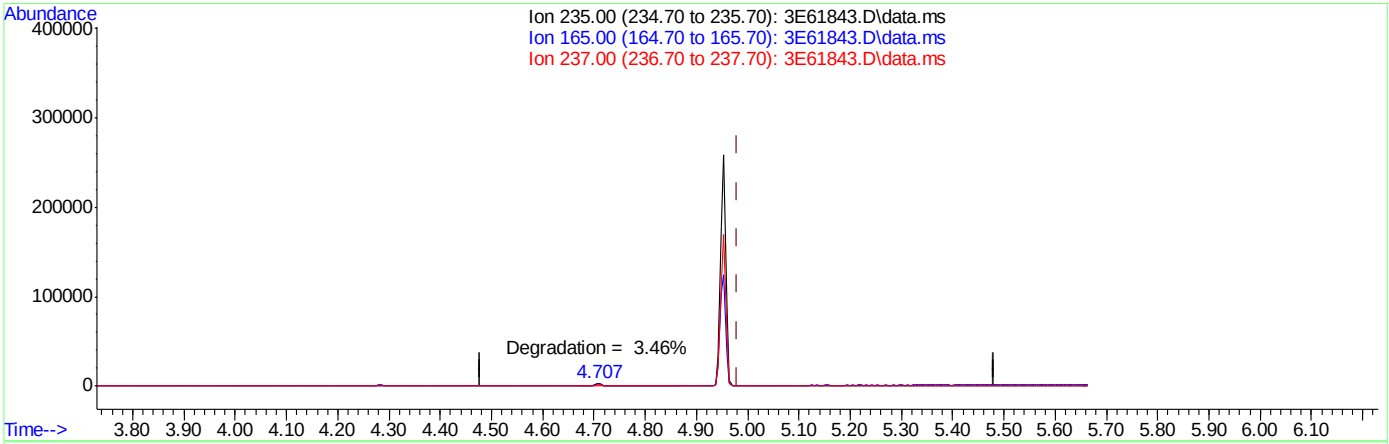
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.74
185.00	15.40	14.16
0.00	0.00	0.00

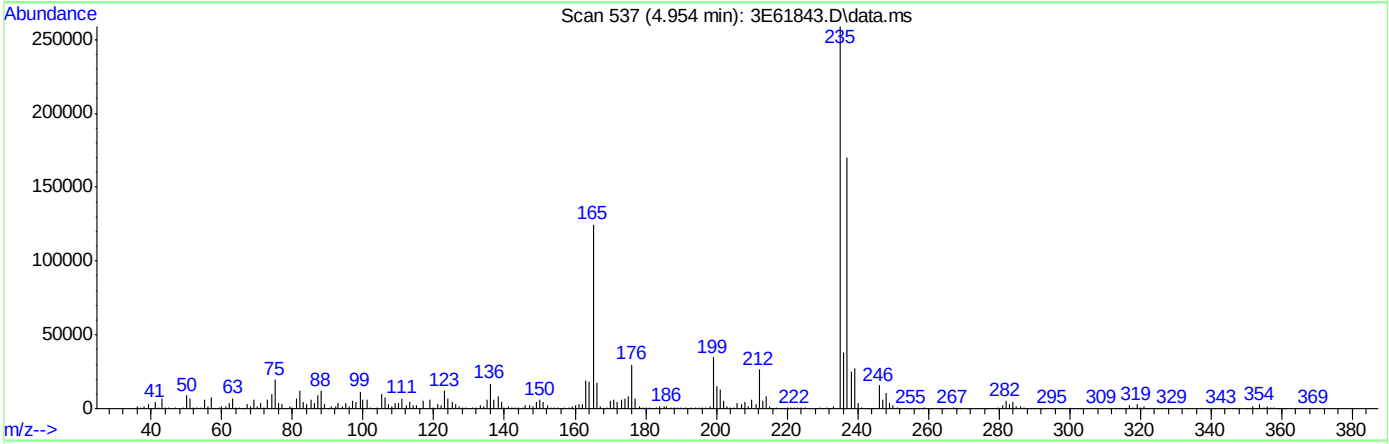
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:12:41 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61843.D\data.ms

(3) PP-DDT (t)

4.954min (-0.027) 43.97ppb

response 182540

Ion	Exp%	Act%
235.00	100	100
165.00	0.10	51.29#
237.00	0.10	64.86#
0.00	0.00	0.00

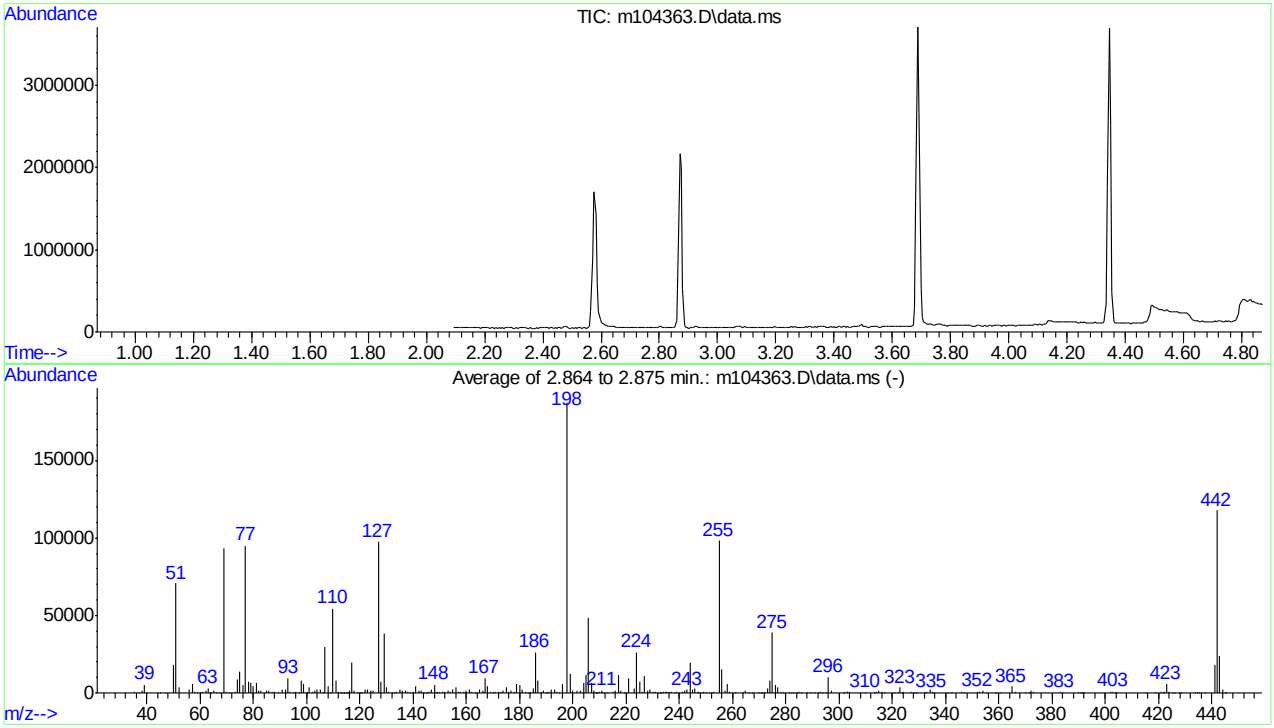
ACCUTEST LABORATORIES JB68318

DFTPPR

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 145, 146, 147; Background Corrected with Scan 140

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	70538	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.9	93427	PASS
70	69	0.00	2	0.6	573	PASS
127	198	40	60	52.1	97544	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	187248	PASS
199	198	5	9	6.6	12356	PASS
275	198	10	30	20.8	38991	PASS
365	198	1	100	2.3	4341	PASS
441	443	0.10	100	76.3	18055	PASS
442	198	40	100	62.7	117493	PASS
443	442	17	23	20.1	23673	PASS

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	599	57.00	5857	67.10	125	80.00	4560
37.05	151	58.10	561	69.00	93427	81.00	6352
38.05	1117	58.90	93	69.95	573	82.00	1516
39.10	5304	60.00	311	71.05	329	83.00	1527
39.95	191	61.00	1018	73.00	596	85.00	1344
45.00	75	62.05	1225	74.05	8455	86.00	1148
47.00	176	63.05	3171	75.00	13508	87.00	734
50.10	18450	63.90	119	76.10	4957	87.95	445
51.05	70538	64.05	378	77.05	94734	89.00	230
52.10	3578	65.05	1501	78.05	6961	91.05	1950
56.05	2405	66.00	16	79.00	6415	92.00	1840

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	9468	103.00	1485	112.90	106	119.85	382
94.00	834	104.00	2424	113.10	348	120.10	123
95.10	142	105.00	2150	113.90	75	120.90	123
96.00	786	105.90	177	114.20	71	122.00	1839
97.00	102	107.00	29368	114.90	219	122.95	2040
98.05	8011	108.00	4726	115.15	5	123.95	1128
99.00	5958	109.00	89	115.90	333	125.05	1315
100.00	141	110.00	54584	116.10	1322	127.00	97544
100.20	231	111.00	7932	117.00	19616	128.05	7360
101.00	3950	111.70	191	117.95	1626	129.00	38073
102.05	428	112.00	867	119.10	306	130.05	3443

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.00	544	142.05	1320	151.15	815	162.10	665
132.05	353	143.05	1205	151.95	564	163.15	230
133.05	40	144.10	378	153.00	1526	164.05	303
134.00	1036	144.95	271	154.00	904	164.95	1927
135.00	2541	145.30	98	155.00	2023	166.05	1672
136.05	1246	146.05	1008	156.00	3641	167.00	9683
137.00	1541	147.00	2441	157.00	832	168.00	4262
138.05	455	148.00	5156	157.90	985	169.05	786
139.00	267	148.90	195	159.05	863	169.95	359
139.95	560	149.05	886	159.95	1433	171.05	604
141.00	4407	149.85	311	161.05	2338	171.95	1048

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.95	1024	183.80	275	193.00	2152	206.00	48552
174.00	1809	184.10	268	194.00	630	207.05	6325
175.05	3529	185.00	2745	195.00	107	208.05	1576
176.05	1062	186.00	26195	196.05	5495	208.70	169
176.95	1711	187.05	8216	198.00	187248	208.90	301
178.05	481	188.00	757	198.95	12356	209.10	229
179.00	5968	188.95	1758	199.95	1187	210.10	835
180.00	4782	189.90	160	201.55	1169	210.70	291
180.95	2354	190.10	139	203.00	1792	211.00	1487
182.05	437	191.05	1098	204.00	6638	211.60	107
183.00	188	192.00	2351	205.05	11609	213.05	274

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
214.95	571	227.00	10543	236.00	659	246.90	105
216.05	1306	227.95	1483	237.05	829	247.05	689
217.00	11346	229.00	2171	238.10	109	247.95	219
218.05	1769	230.05	406	238.90	401	248.70	74

DFTPPm.M Tue May 13 16:59:42 2014 MSM

219.10	161	230.95	1050	239.95	231	249.00	787
220.00	185	232.05	200	241.05	551	250.00	170
221.05	9166	232.90	115	242.05	1392	251.10	100
223.00	2633	233.20	142	243.05	1864	252.10	192
224.00	26071	233.85	679	244.05	19232	253.10	594
225.00	6953	234.80	472	245.00	2413	255.00	98061
226.05	952	235.10	425	246.00	3215	256.00	15131

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
257.00	1235	271.80	233	284.00	303	297.00	1424
258.00	5454	273.00	3156	285.00	811	301.70	72
258.95	975	274.00	7665	286.00	136	302.00	187
261.00	71	275.00	38991	287.80	102	302.90	708
263.75	346	276.00	5421	289.00	71	303.10	575
264.95	1771	277.00	3443	290.90	184	304.00	397
265.95	306	278.05	515	291.95	177	307.80	91
267.10	84	279.00	100	292.95	501	310.00	140
269.90	147	281.00	98	293.90	90	313.10	67
270.80	82	282.20	216	295.00	193	314.05	572
271.20	77	283.00	378	296.00	10372	315.00	1302

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
316.00	916	331.90	129	352.90	743	373.00	458
317.10	176	332.20	82	354.05	1207	382.95	478
320.90	375	333.00	446	355.10	297	384.00	122
321.80	68	334.05	1939	358.80	67	389.90	239
323.00	3326	335.00	523	359.00	73	390.70	93
323.80	128	335.60	67	360.90	101	391.00	129
324.00	632	341.10	273	364.95	4341	391.40	73
326.95	720	342.10	114	366.00	613	392.00	115
327.90	183	345.85	575	370.00	104	401.95	821
328.20	86	346.95	164	371.10	165	402.90	1027
329.00	68	352.05	944	371.95	1734	403.70	148

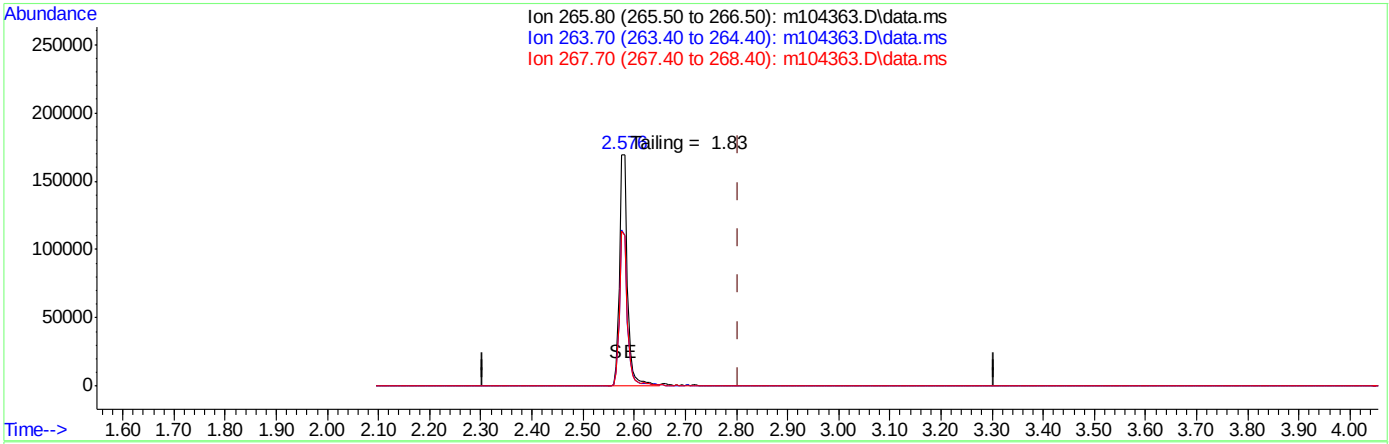
Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

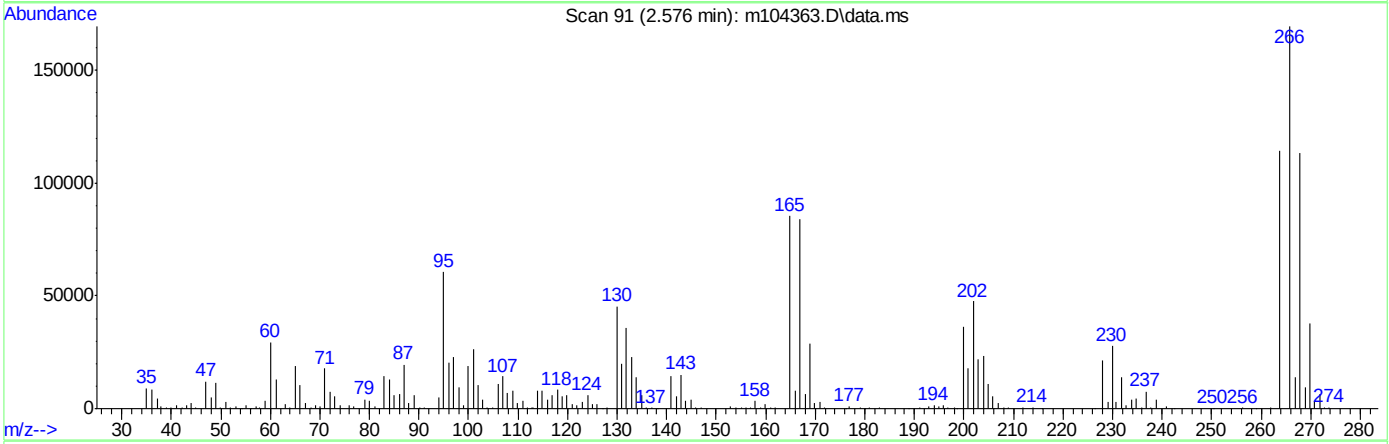
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
404.00	178	428.45	198				
415.00	81	433.70	101				
418.70	88	434.50	79				
421.00	752	435.20	79				
421.90	236	437.40	72				
422.10	545	441.00	18055				
423.00	5557	442.00	117493				
423.95	1065	443.00	23673				
425.20	148	444.00	2280				
426.10	119	444.90	78				
427.50	91	445.20	74				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 16:59:05 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104363.D\data.ms

(1) Pentachlorophenol (MC)

2.576min (-0.229) 83.23ng

response 180220

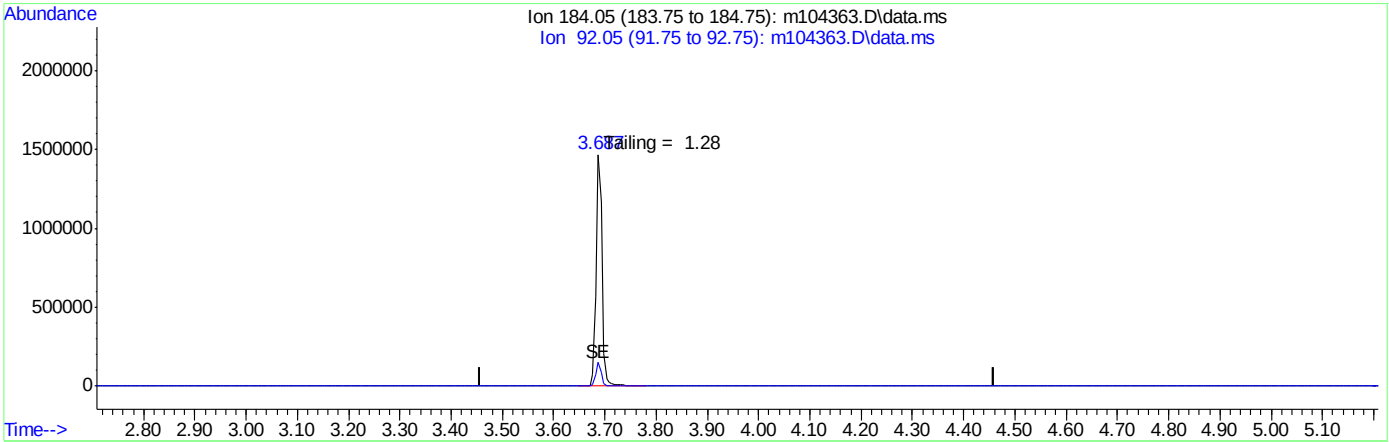
Ion	Exp%	Act%
265.80	100	100
263.70	64.70	67.33
267.70	64.60	66.71
0.00	0.00	0.00

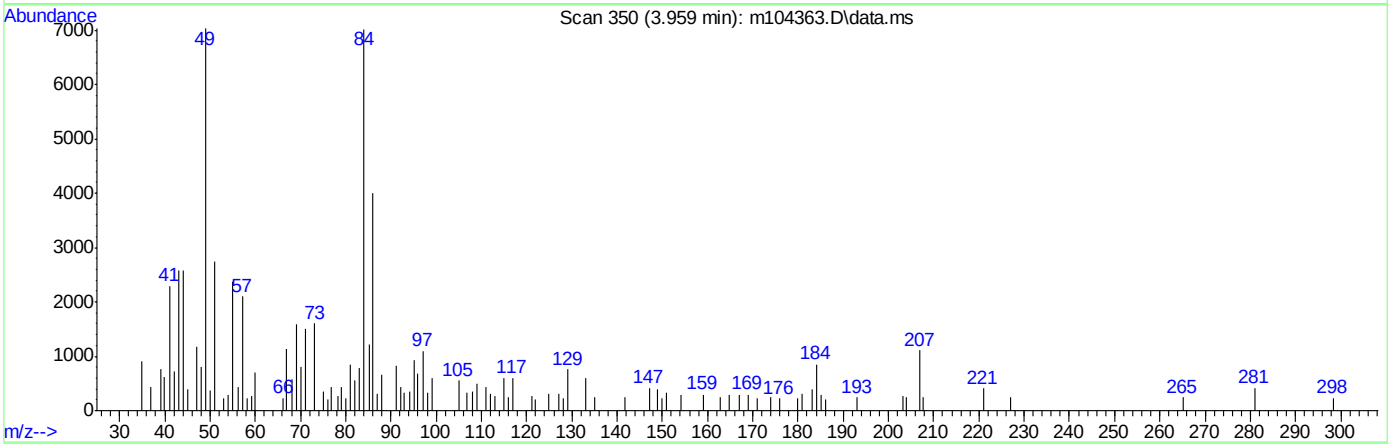
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 16:59:05 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104363.D\data.ms

(2) Benzidine (M)

3.959min 0.00ng d

response 0

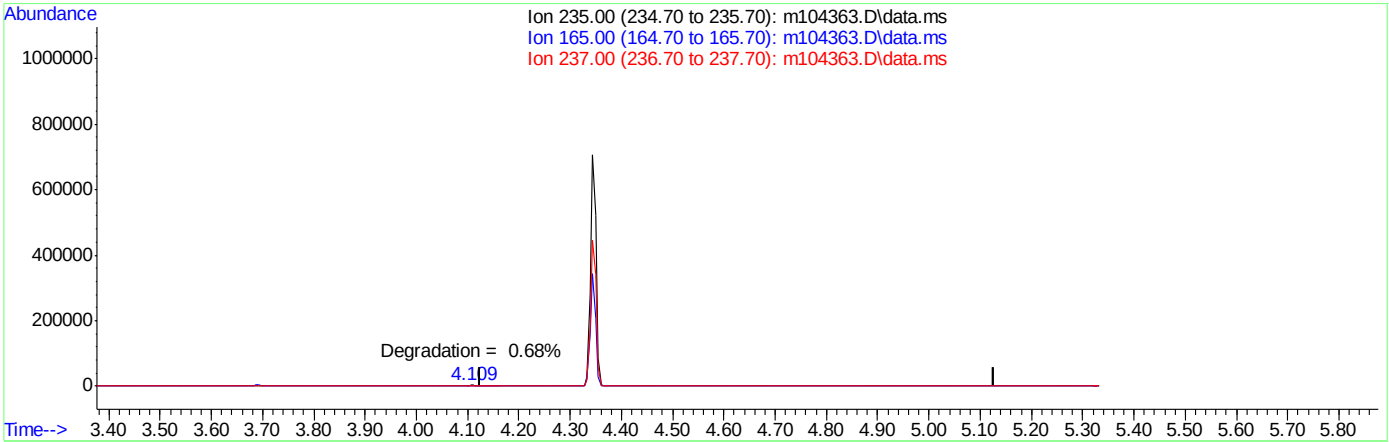
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

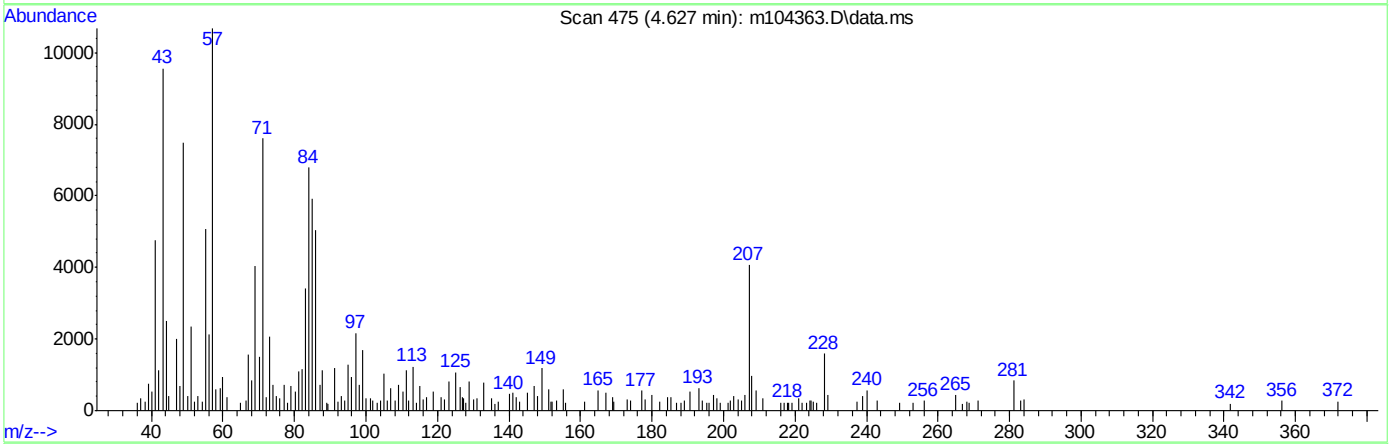
9.5.13.2
9
ACCUTEST LABORATORIES
JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 16:59:05 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104363.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

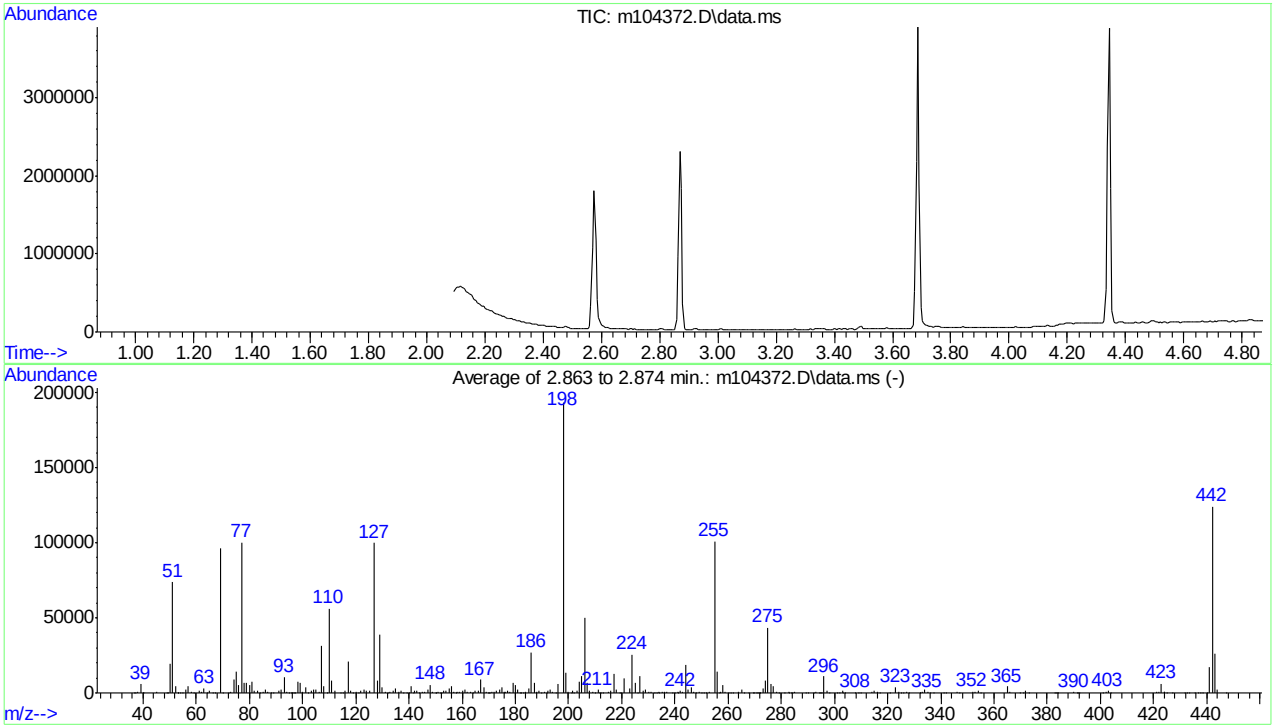
ACCUTEST LABORATORIES JB68318

DFTPPR

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 145, 146, 147; Background Corrected with Scan 140

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.2	73741	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	50.0	96540	PASS
70	69	0.00	2	0.2	198	PASS
127	198	40	60	51.7	99824	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	193256	PASS
199	198	5	9	6.8	13102	PASS
275	198	10	30	22.5	43538	PASS
365	198	1	100	2.2	4261	PASS
441	443	0.10	100	67.9	17550	PASS
442	198	40	100	64.1	123970	PASS
443	442	17	23	20.9	25858	PASS

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.50	76	52.10	4295	63.00	3098	76.05	5013
36.95	236	53.00	15	64.00	353	77.05	100295
38.15	823	53.20	136	65.05	1820	78.05	6902
39.10	5637	54.10	247	66.20	131	79.00	6621
40.00	70	55.00	246	67.05	272	80.00	5129
40.20	250	56.05	2577	69.00	96540	81.00	7311
45.00	411	57.05	4838	69.90	198	82.00	1652
49.00	318	58.15	445	72.00	74	83.05	1164
49.20	279	59.00	111	73.00	719	84.05	145
50.10	19436	61.05	1145	74.05	8867	85.05	873
51.05	73741	62.00	1038	75.00	14296	86.00	1954

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	845	96.90	217	107.00	31059	119.00	151
88.05	393	97.10	79	108.00	4398	120.05	595
88.95	278	98.05	7848	109.05	245	121.05	301
91.00	1894	99.00	6803	110.00	56346	122.00	1875
92.00	2076	100.00	650	111.00	8474	123.00	2599
93.00	10550	101.05	3893	112.05	1218	124.00	1285
94.05	959	102.00	194	114.05	139	125.05	1563
94.95	240	103.10	1363	115.15	327	127.00	99824
95.90	117	104.00	2368	116.05	1285	128.05	8039
96.00	164	105.00	2042	117.00	21248	129.00	38520
96.15	306	106.05	733	118.00	1673	130.00	3481

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.95	826	141.70	167	151.00	472	160.00	1431
131.95	324	142.05	1590	151.75	242	160.95	2211
133.00	414	143.00	1301	152.10	355	162.00	585
134.00	1236	143.90	250	153.00	1281	162.95	420
135.00	2914	145.05	406	154.00	1376	164.00	190
136.05	880	146.00	984	155.00	2679	165.00	1416
137.05	1567	147.05	2525	156.05	4179	166.05	1540
137.95	248	148.00	5270	156.95	436	166.95	8957
138.95	141	149.00	1010	157.70	366	168.00	4122
140.00	334	149.90	200	158.05	442	169.05	969
141.00	4416	150.10	232	159.00	839	169.90	343

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.10	125	177.10	894	187.05	6889	198.00	193256
170.40	115	178.00	517	188.05	923	198.95	13102
171.05	501	179.00	6886	189.00	1808	200.00	896
172.00	923	180.05	5039	189.90	254	201.00	145
173.05	1196	181.00	2271	190.95	791	201.50	1285
174.05	1974	181.80	88	191.90	296	202.05	167
175.05	3494	182.00	299	192.10	1861	203.05	1484
175.90	139	182.90	123	193.05	2625	204.00	7135
176.00	418	184.00	408	194.05	486	205.05	11348
176.15	703	185.05	3271	195.00	397	206.00	49640
176.90	1376	186.05	27113	196.00	6324	206.95	6695

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
208.00	1585	219.10	103	231.05	1122	241.20	174
209.05	604	219.80	239	232.10	85	242.00	1214
209.90	300	221.00	9956	233.05	200	243.00	979
211.05	2037	223.05	2682	233.90	442	244.05	18644

DFTPPm.M Wed May 14 09:42:24 2014 MSM

211.80	186	224.00	25394	234.10	288	245.00	2462
212.10	70	225.05	6943	235.05	994	246.00	3702
213.00	345	226.00	173	236.05	724	247.00	762
215.00	782	227.00	11068	237.00	1032	248.00	374
216.00	1343	228.05	1807	239.00	334	249.00	844
217.00	12414	229.00	2065	239.95	380	250.15	235
218.00	2001	230.05	616	240.95	409	250.90	213

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
251.80	181	263.95	511	273.00	3057	284.10	303
252.95	812	265.00	1980	274.00	8558	285.05	600
255.00	100992	266.00	398	275.00	43538	289.00	84
256.00	14413	267.80	292	276.00	6131	289.95	178
256.90	257	269.20	84	277.00	4273	292.00	69
257.05	851	270.00	130	278.05	673	292.95	857
258.00	5243	270.70	102	279.20	98	294.05	265
259.00	834	271.00	124	281.10	81	294.70	105
260.10	163	271.30	76	282.80	84	295.00	108
260.90	91	271.70	101	283.00	453	296.00	10863
261.90	76	271.90	188	283.90	67	297.00	1871

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
298.10	73	315.95	1010	332.95	406	354.00	1264
301.05	199	317.00	72	334.05	2515	354.95	245
301.95	180	321.00	360	334.95	456	364.95	4261
302.90	201	323.00	4057	336.10	73	366.00	506
303.05	1519	324.05	756	337.10	73	369.80	87
304.00	340	325.10	89	341.00	387	371.00	183
307.90	122	326.00	90	342.00	75	372.00	1609
308.90	102	326.95	640	345.95	766	373.00	337
310.00	85	328.00	384	346.80	88	382.70	107
314.05	523	332.00	221	352.00	1092	383.00	226
314.95	1346	332.20	118	353.00	807	383.70	86

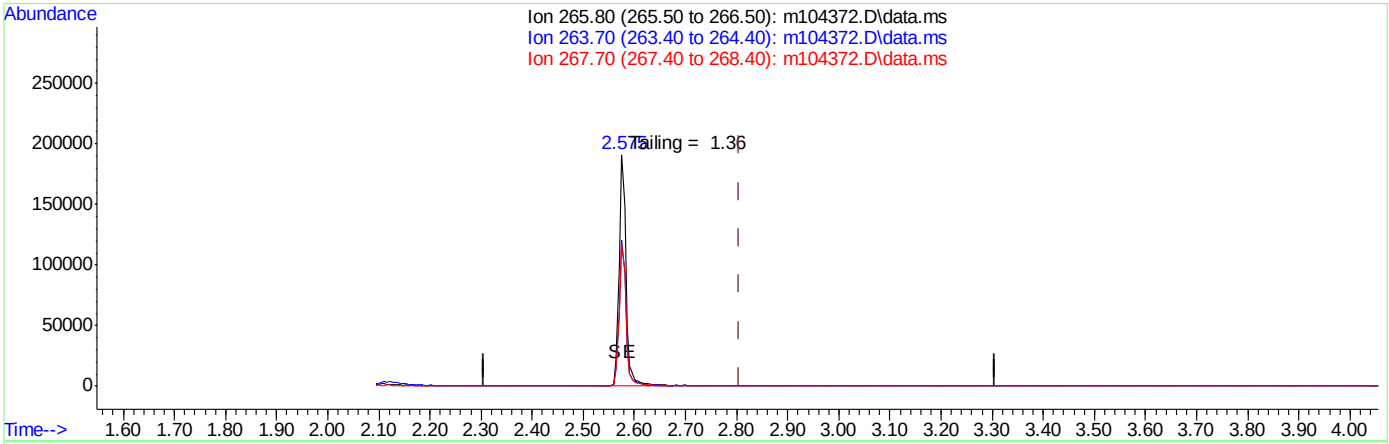
Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

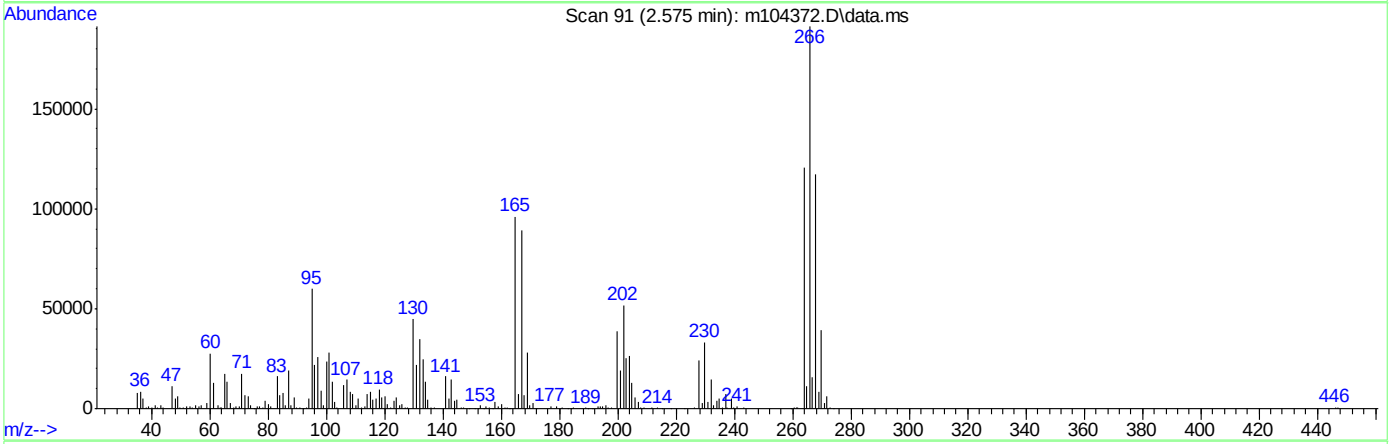
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
384.00	173	423.00	6347	438.35	228		
390.05	425	423.90	744	439.90	68		
391.00	172	424.10	939	441.00	17550		
391.70	80	425.10	77	442.00	123970		
392.00	71	427.10	75	443.00	25858		
400.90	77	431.50	100	444.00	2103		
402.00	817	432.60	86	447.10	105		
403.00	1154	433.40	86				
403.95	281	435.30	92				
420.95	763	436.50	74				
421.95	784	437.50	95				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 08:33:27 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104372.D\data.ms

(1) Pentachlorophenol (MC)

2.575min (-0.230) 84.15ng

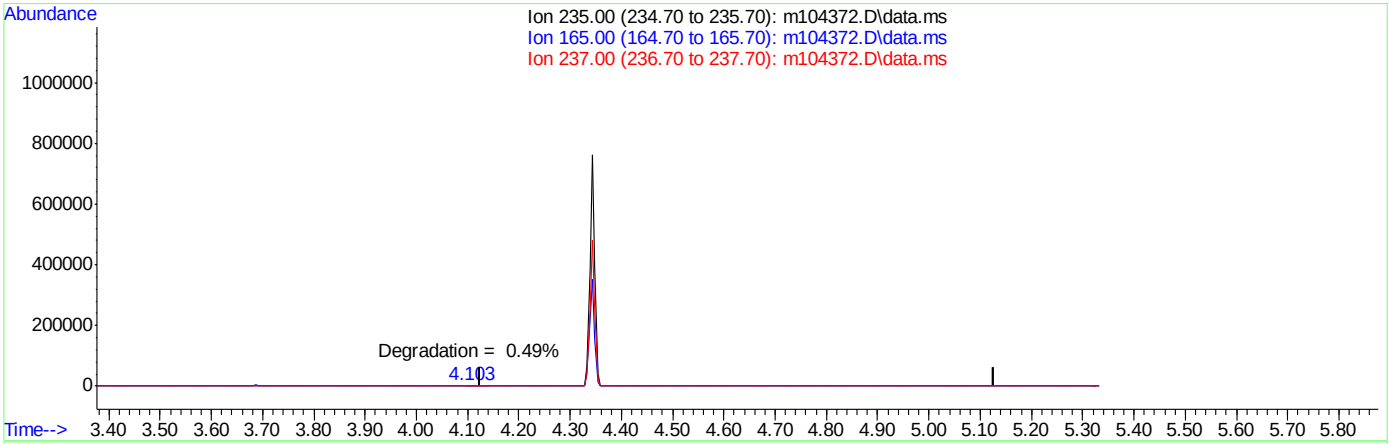
response 182218

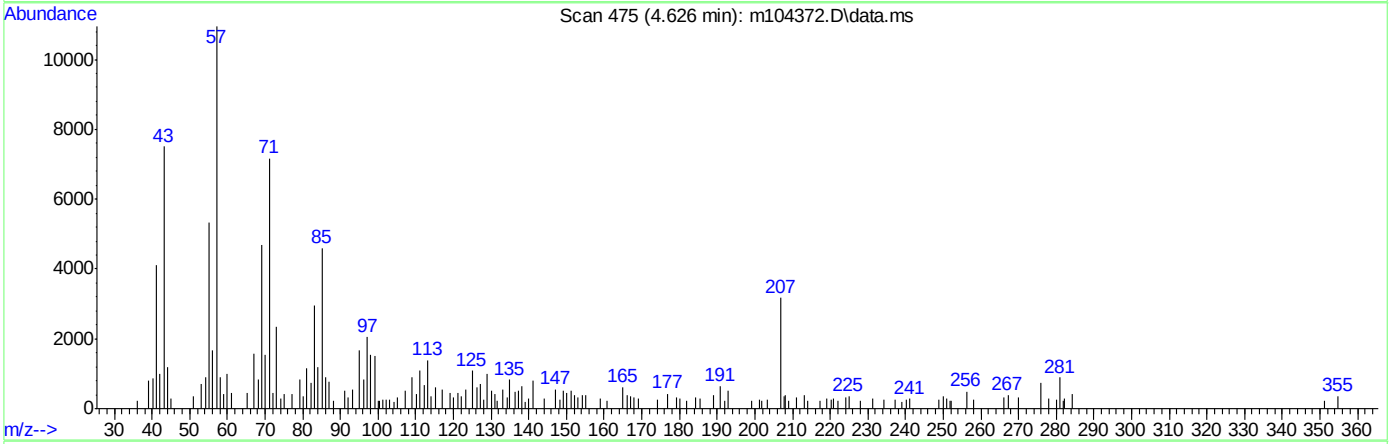
Ion	Exp%	Act%
265.80	100	100
263.70	64.70	63.18
267.70	64.60	61.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 08:33:27 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104372.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

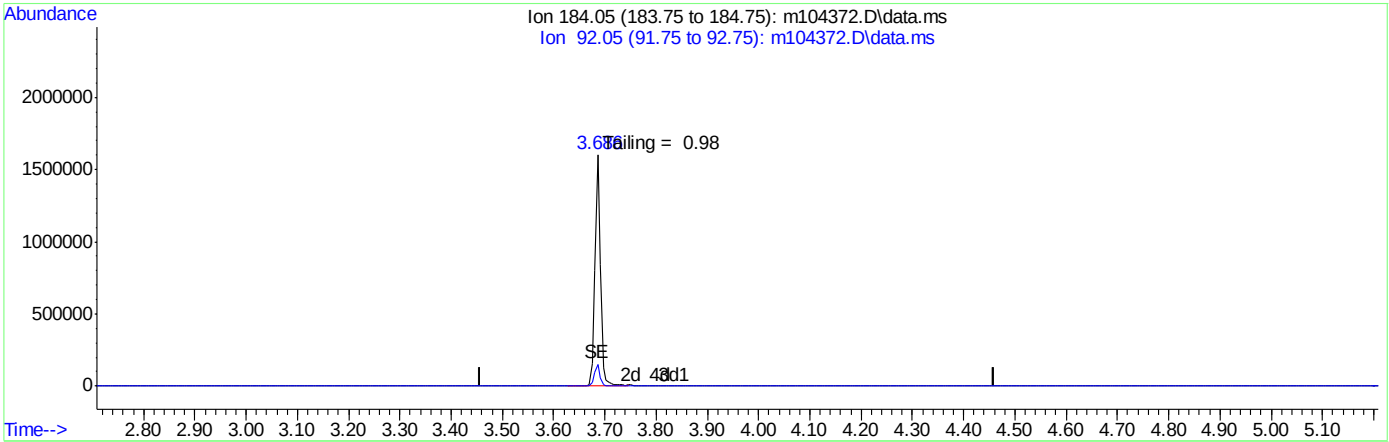
Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

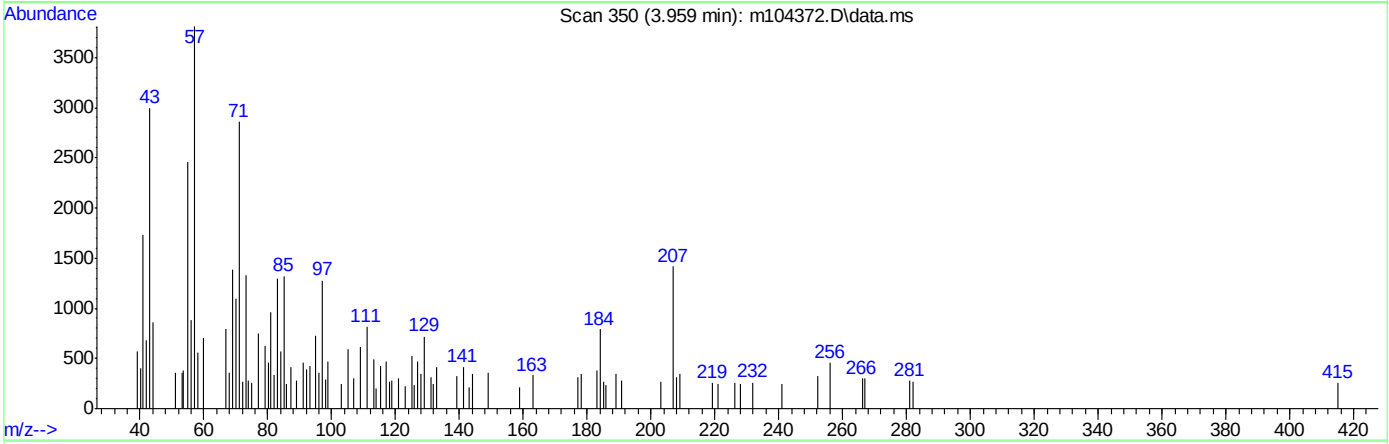
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 08:59:39 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104372.D\data.ms

(2) Benzidine (M)

3.959min 0.00ng d

response 0

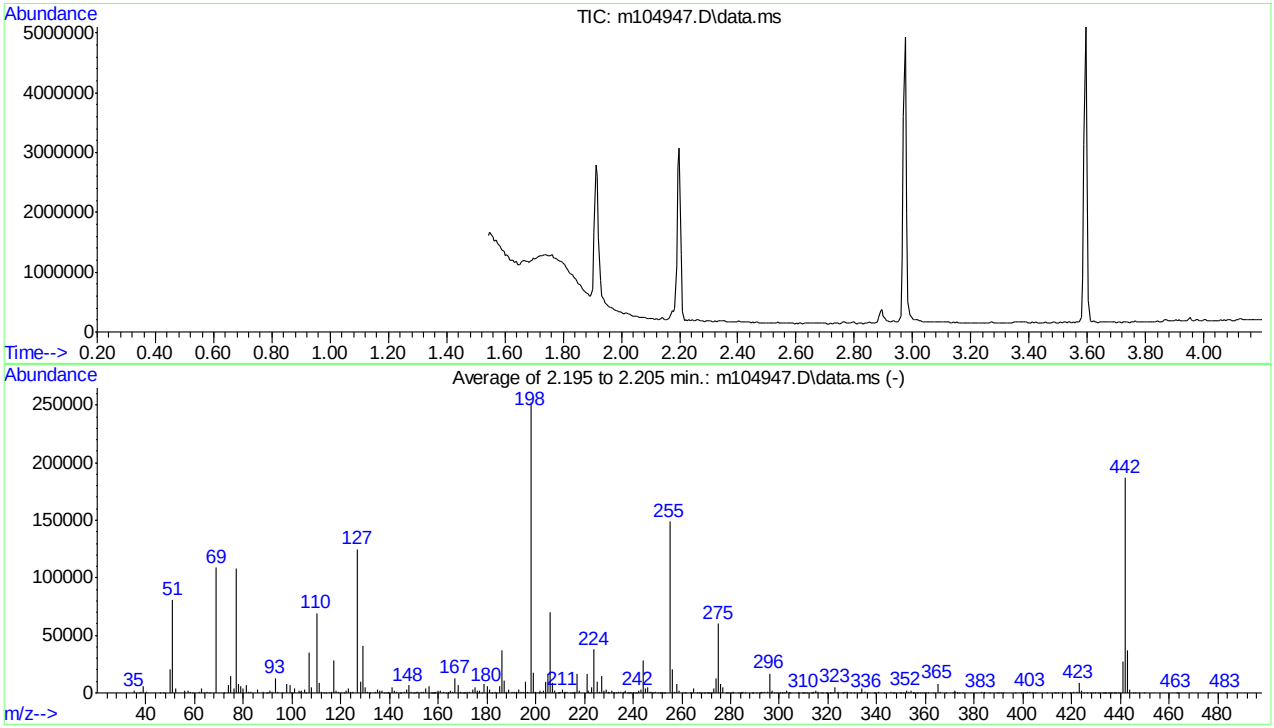
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPPR

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104947.D
Acq On : 9 Jun 2014 9:05 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4298
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 123, 124, 125; Background Corrected with Scan 118

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.9	80607	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.1	108660	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	49.4	124725	PASS
197	198	0.00	1	0.3	793	PASS
198	198	100	100	100.0	252293	PASS
199	198	5	9	6.8	17158	PASS
275	198	10	30	23.9	60192	PASS
365	198	1	100	3.2	7987	PASS
441	443	0.10	100	74.1	27394	PASS
442	198	40	100	74.0	186602	PASS
443	442	17	23	19.8	36986	PASS

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.00	1520	57.10	2084	75.00	14298	89.60	67
37.00	55	58.20	611	76.10	3998	90.10	121
38.10	1467	59.30	108	77.05	107800	91.05	1799
39.10	5529	62.10	1393	78.10	7500	91.95	1488
40.15	811	63.05	3445	79.00	6108	93.00	13045
46.00	180	63.90	525	80.00	4110	94.00	609
47.00	511	64.95	1063	81.00	6690	96.00	103
50.05	20098	66.20	196	82.10	1014	97.95	8123
51.05	80607	69.00	108660	83.00	861	99.00	6389
52.05	3997	72.20	200	85.95	3014	99.80	220
56.05	2353	74.05	7122	88.10	573	100.05	480

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
101.05	3505	113.10	372	123.95	1413	135.95	1802
102.95	1700	113.95	43	124.95	1465	137.05	1599
103.20	639	115.05	204	126.95	124725	138.05	134
104.00	2293	116.00	738	127.95	9312	138.55	246
105.00	2680	117.00	28664	129.00	40897	139.10	378
105.80	303	118.00	2158	129.95	4578	139.85	529
107.00	34617	119.10	959	131.00	562	141.00	5217
108.05	4508	119.95	452	131.70	133	142.05	1727
110.00	69332	121.05	49	131.95	376	143.00	901
111.00	9053	122.05	2077	133.95	1269	144.05	268
112.05	1151	123.00	3694	135.05	3411	144.90	377

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.00	1417	156.00	5900	163.90	131	172.05	1363
147.00	3300	157.00	389	164.20	302	172.95	1430
147.95	6721	157.70	358	164.90	2433	174.00	2556
149.05	1128	157.90	475	166.00	1406	175.05	5064
149.85	353	158.10	307	167.00	12904	176.05	1783
150.30	67	158.40	259	168.00	6486	176.70	266
151.00	1259	159.05	1101	168.90	881	177.00	2333
151.80	919	160.00	1678	169.10	135	177.75	435
152.95	1197	161.00	2429	170.15	279	179.00	8305
154.00	1227	162.00	1076	170.50	83	180.00	5867
155.00	3731	163.30	305	171.05	68	181.05	2861

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
181.90	307	191.95	1228	202.10	30	211.90	317
182.10	144	193.10	2738	202.95	1559	212.10	612
183.15	609	194.10	1268	203.95	9604	213.00	592
183.90	407	194.90	815	205.00	16624	214.05	308
185.00	5673	196.00	10100	206.00	70522	214.95	491
185.95	36612	196.70	793	207.00	8985	215.20	267
187.00	10754	198.00	252293	207.95	2343	216.00	895
188.05	1028	198.95	17158	209.10	258	216.95	16557
188.95	2611	200.05	1402	209.80	318	218.00	2133
190.05	811	201.20	290	210.05	908	221.00	16751
191.10	852	201.55	2134	211.05	2745	221.60	2398

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
222.00	332	231.75	203	238.95	410	247.10	810
223.00	4822	232.00	224	239.90	87	247.85	256
224.00	37901	233.20	314	240.10	440	248.10	156
225.10	9760	233.90	757	240.70	474	249.05	1048

DFTPPm.M Mon Jun 09 12:23:53 2014 MSM

226.10	722	235.05	945	241.15	504	249.95	397
227.00	14324	235.85	474	242.05	2108	251.00	337
227.95	2137	236.10	621	243.05	2485	251.50	124
228.95	2523	236.90	1693	244.00	28331	251.90	262
229.80	227	237.70	148	245.10	4274	252.10	142
230.05	550	238.00	223	245.95	4849	252.70	486
231.00	1541	238.70	302	246.85	778	253.00	150

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
255.00	148938	265.00	3621	272.20	140	281.00	601
256.00	20192	266.10	261	273.00	4401	283.05	523
257.00	1319	267.10	98	274.00	12768	284.00	327
258.00	7841	267.50	262	275.00	60192	284.20	275
259.00	1685	268.10	108	276.00	7791	284.80	317
260.05	403	269.00	148	277.00	4700	285.10	923
261.05	214	269.40	112	277.95	486	286.15	179
261.40	110	270.40	101	278.50	119	288.60	134
263.40	340	270.80	121	279.10	92	289.05	250
263.70	272	271.20	134	280.00	73	290.65	249
263.85	450	271.90	16	280.70	96	291.95	482

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
292.50	120	301.30	79	311.10	82	321.10	438
292.95	1389	301.90	185	313.15	251	322.05	394
293.90	565	303.05	1902	313.80	151	323.00	5368
295.10	537	303.70	82	314.05	1103	323.90	358
295.95	16634	303.90	114	315.00	2260	324.05	652
296.70	344	304.20	249	316.00	870	325.80	90
297.00	1937	307.40	75	317.05	385	326.05	255
297.80	190	308.05	195	317.80	74	327.00	1244
298.70	138	309.40	78	319.10	160	327.80	265
300.30	79	309.80	69	319.70	109	328.05	633
301.00	202	310.20	136	320.90	245	329.20	90

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
330.50	77	345.95	1490	355.20	248	368.20	150
331.95	455	346.90	132	356.20	76	371.05	447
333.00	310	347.10	167	357.00	162	371.80	699
333.20	211	349.50	90	357.60	105	371.90	878
333.95	4084	349.90	78	358.80	94	372.05	2184
335.05	1198	350.70	69	359.40	107	372.80	275
336.00	122	352.10	2163	360.00	151	373.10	309
339.00	81	353.15	1266	361.00	407	373.75	258
339.20	77	354.00	1761	363.10	96	375.15	151
340.95	634	354.85	355	364.95	7987	382.95	946
343.10	172	355.00	106	366.05	1066	383.90	68

Average of 2.195 to 2.205 min.: m104947.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
384.10	109	403.00	1460	419.60	70	431.50	117
386.10	116	403.70	113	420.95	1299	432.70	121
389.70	161	404.05	388	421.95	1252	433.00	76
390.05	491	405.00	368	423.00	8374	433.70	198
390.90	121	409.90	100	424.00	1688	434.10	176
391.80	228	412.85	275	425.00	106	435.00	103
396.90	81	413.20	74	426.40	76	435.40	205
399.00	137	414.30	117	427.50	166	436.20	179
400.20	88	416.10	83	428.55	319	436.65	149
400.90	247	417.30	108	429.70	128	437.50	85
401.85	1007	419.20	85	430.70	162	437.80	210

Average of 2.195 to 2.205 min.: m104947.D\data.ms

DFTPPm.M Mon Jun 09 12:23:53 2014 MSM

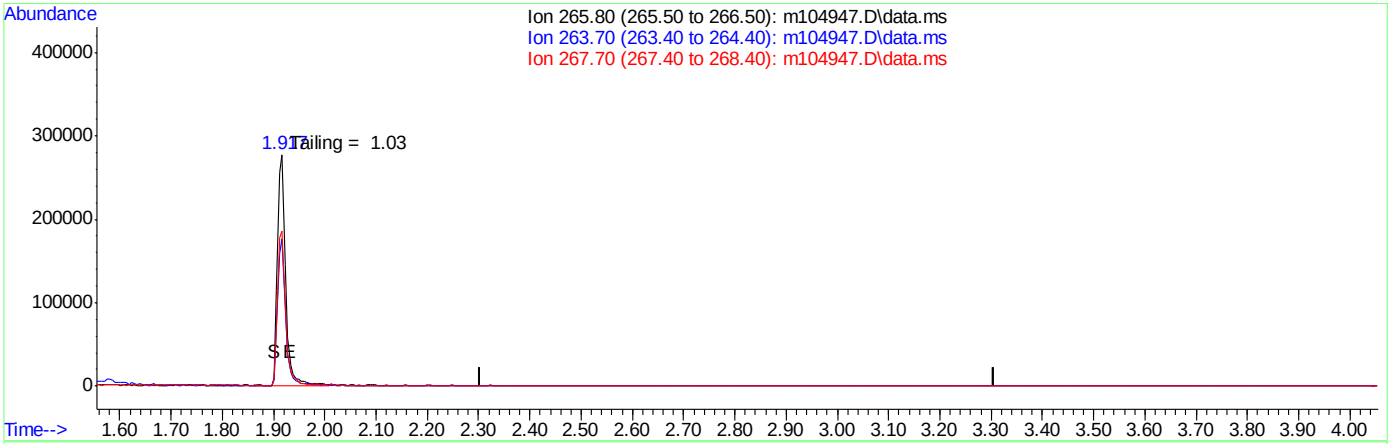
dftpp
Modified:subtracted

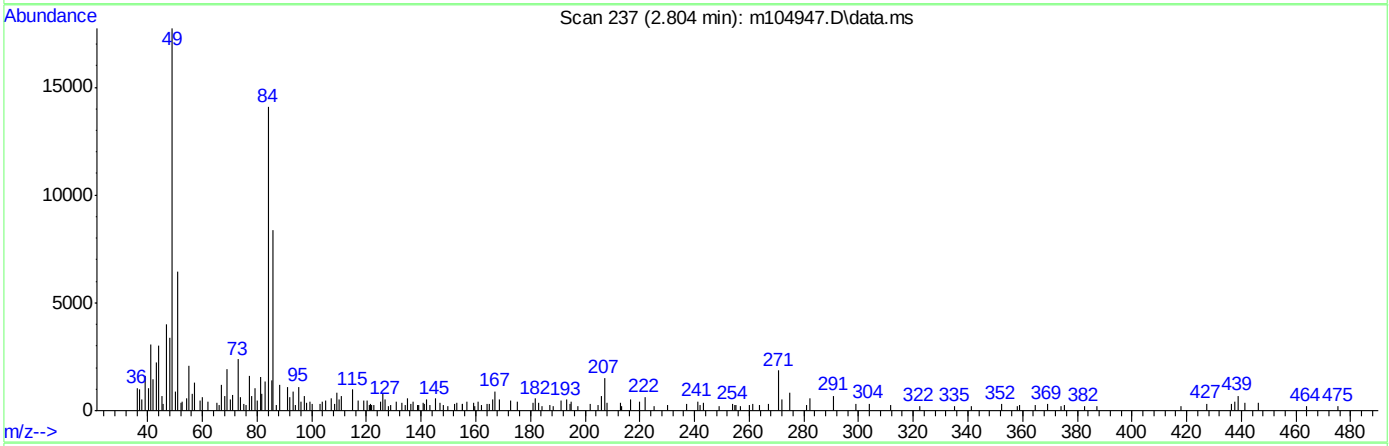
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
438.50	129	462.90	110				
439.30	270	463.50	74				
439.60	176	475.80	75				
441.00	27394	483.20	88				
442.00	186602						
443.00	36986						
444.00	2830						
445.10	78						
446.30	83						
447.25	259						
449.90	99						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104947.D
Acq On : 9 Jun 2014 9:05 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4298
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:10:39 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104947.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

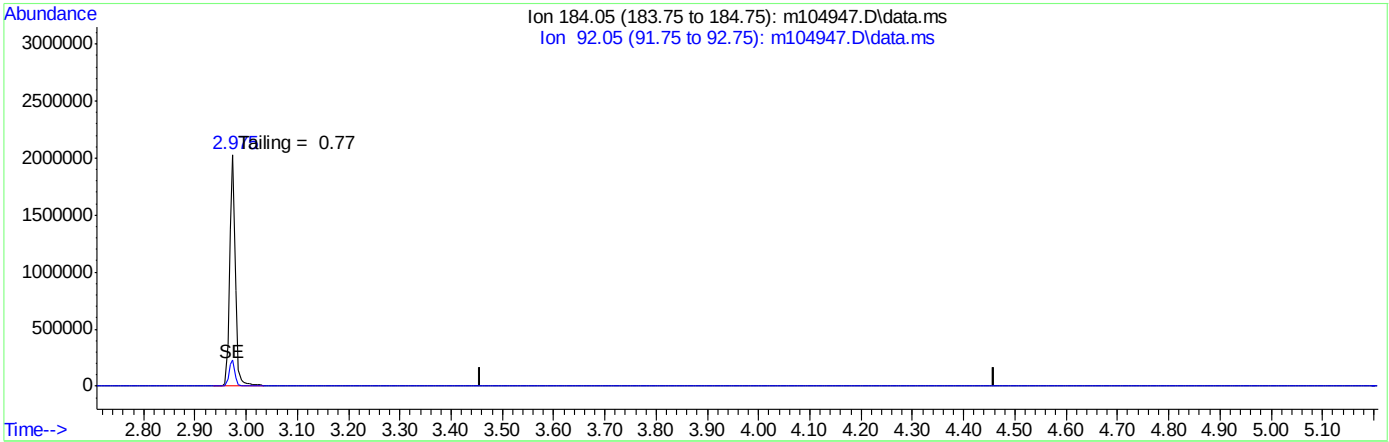
response 0

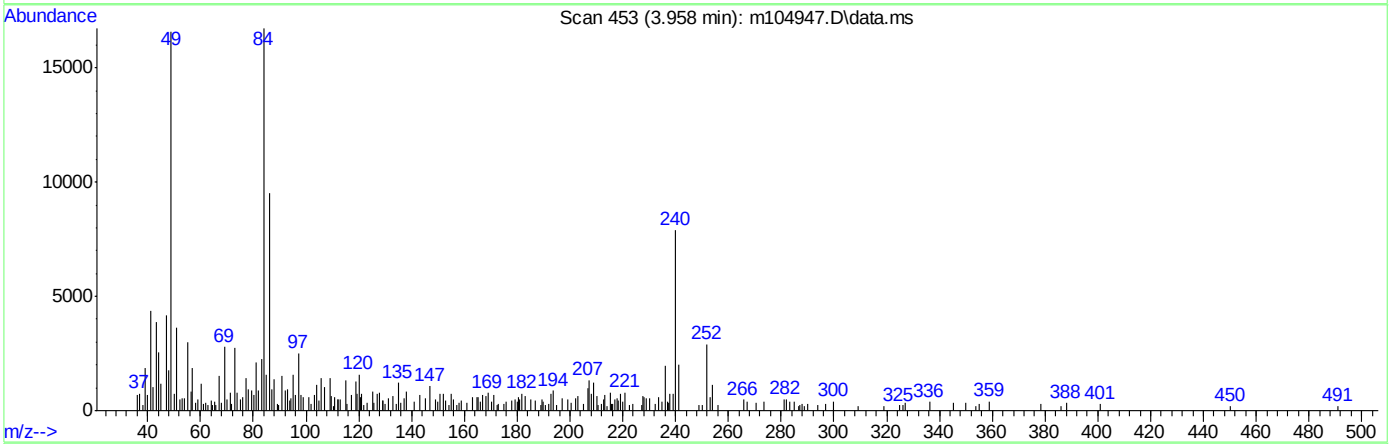
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104947.D
Acq On : 9 Jun 2014 9:05 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4298
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:10:39 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104947.D\data.ms

(2) Benzidine (M)

3.959min 0.00ng d

response 0

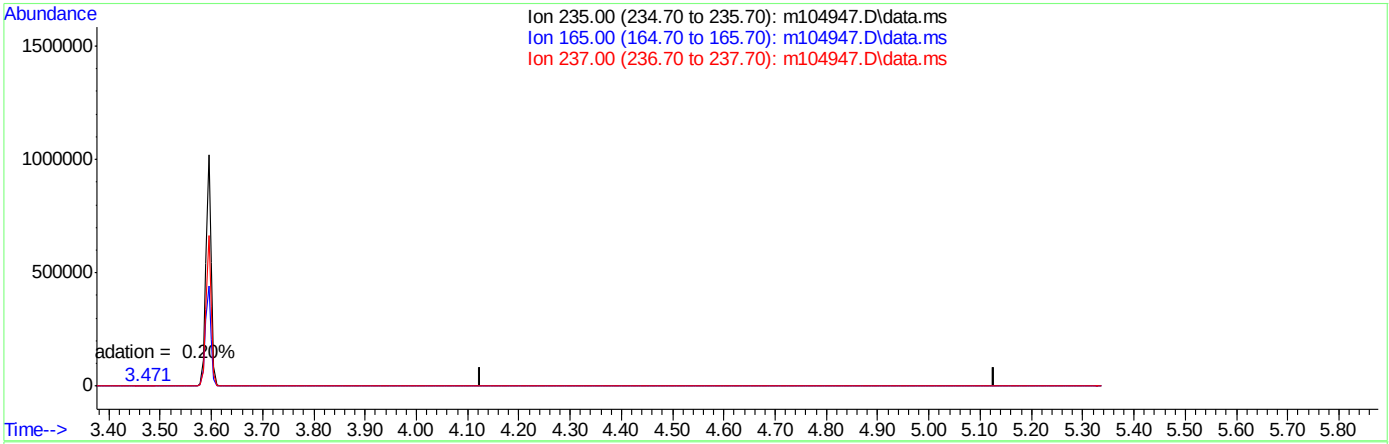
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

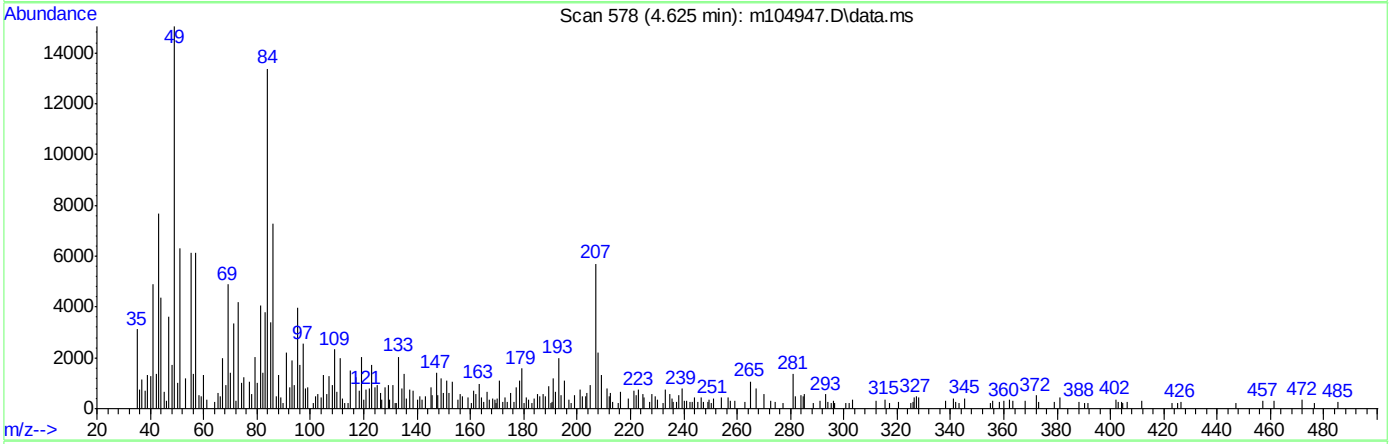
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104947.D
Acq On : 9 Jun 2014 9:05 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4298
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:10:39 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m104947.D\data.ms

(3) PP-DDT (MC)

4.627min 0.00ppb d

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 JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64045.D
Acq On : 3 Jun 2014 12:51 pm
Operator : olgaa
Sample : ic2718-25
Misc : op75039,E2M2718,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:14 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:13:17 2014
QLast Update : Tue Jun 03 16:21:53 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	646774	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	2622467	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1504305	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2285459	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	1951716	40.00	ppb	0.00
92) Perylene-d12	16.328	264	1581791	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	646774	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1504305	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	1951716	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2285459	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	2622467	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.742	112	648016	25.51	ppb	0.00
Spiked Amount 50.000			Recovery =	51.02%		
8) Phenol-d5	4.459	99	819919	26.29	ppb	0.00
Spiked Amount 50.000			Recovery =	52.58%		
25) Nitrobenzene-d5	5.138	82	760130	26.07	ppb	0.00
Spiked Amount 50.000			Recovery =	52.14%		
51) 2-Fluorobiphenyl	6.984	172	1199254	25.59	ppb	0.00
Spiked Amount 50.000			Recovery =	51.18%		
73) 2,4,6-Tribromophenol	8.995	330	110620	25.46	ppb	0.00
Spiked Amount 50.000			Recovery =	50.92%		
85) Terphenyl-d14	12.578	244	1053250	25.73	ppb	0.00
Spiked Amount 50.000			Recovery =	51.46%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.255	88	288370	23.23	ppb	100
3) Pyridine	2.587	79	769850	23.80	ppb	100
4) N-Nitrosodimethylamine	2.550	74	452681	25.13	ppb	100
6) Indene	4.898	116	1151605	23.99	ppb	100
7) Cumene	4.101	105	1721354	24.14	ppb	100
9) Phenol	4.470	94	1019572	25.20	ppb	100
10) Aniline	4.454	93	1020338	26.26	ppb	100
11) bis(2-Chloroethyl)ether	4.491	93	665278	24.59	ppb	100
12) 2-Chlorophenol	4.550	128	653396	25.60	ppb	100
13) Decane	4.571	43	433737	24.17	ppb	100
14) 1,3-Dichlorobenzene	4.652	146	719438	25.57	ppb	100
15) 1,4-Dichlorobenzene	4.710	146	724068	25.52	ppb	100
16) Benzyl alcohol	4.807	108	464916	27.49	ppb	100
17) 1,2-Dichlorobenzene	4.828	146	672508	25.76	ppb	100
18) Acetophenone	5.010	105	971045	23.80	ppb	100
19) 2-Methylphenol	4.914	108	635784	24.92	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.903	45	499279	24.84	ppb	100
21) 3&4-Methylphenol	5.037	108	683617	25.38	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64045.D
Acq On : 3 Jun 2014 12:51 pm
Operator : olgaa
Sample : ic2718-25
Misc : op75039,E2M2718,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:14 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:13:17 2014
QLast Update : Tue Jun 03 16:21:53 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.010	70	477465	25.71	ppb		100
23) Hexachloroethane	5.101	201	201325	25.45	ppb		100
26) Nitrobenzene	5.154	77	821564	25.91	ppb		100
27) Quinoline	6.149	129	1296537	27.77	ppb		100
28) Isophorone	5.358	82	1379583	26.11	ppb		100
29) 2-Nitrophenol	5.432	139	349832	66.31	ppb		100
30) 2,4-Dimethylphenol	5.481	107	639479	27.37	ppb		100
31) Benzoic acid	5.588	105	455469	28.58	ppb		100
32) bis(2-Chloroethoxy)met...	5.545	93	774111	25.78	ppb		100
33) 2,4-Dichlorophenol	5.673	162	499905	25.97	ppb		100
34) 2,6-Dichlorophenol	5.876	162	490437	26.00	ppb		100
35) 1,3,5-Trichlorobenzene	5.443	180	529239	24.40	ppb		100
36) 1,2,4-Trichlorobenzene	5.732	180	508784	26.04	ppb		100
37) 1,2,3-Trichlorobenzene	5.957	180	509894	23.85	ppb		100
38) Naphthalene	5.807	128	1920322	25.69	ppb		100
39) 4-Chloroaniline	5.866	127	758932	27.21	ppb		100
40) 2,3-Dichloroaniline	6.882	161	617323	24.04	ppb		100
41) Caprolactam	6.219	55	226320	24.80	ppb		100
42) Hexachlorobutadiene	5.930	225	266241	25.27	ppb		100
43) 4-Chloro-3-methylphenol	6.406	107	621679	25.82	ppb		100
44) 2-Methylnaphthalene	6.545	141	1071053	26.03	ppb		100
45) 1-Methylnaphthalene	6.657	142	1243609	23.93	ppb		100
46) Dimethylnaphthalene	7.310	156	1125958	24.53	ppb		100
48) Hexachlorocyclopentadiene	6.732	237	496844	55.08	ppb		100
49) 2,4,6-Trichlorophenol	6.898	196	313473	25.49	ppb		100
50) 2,4,5-Trichlorophenol	6.957	196	328276	26.69	ppb		100
52) 2-Chloronaphthalene	7.128	162	1139003	25.77	ppb		100
53) Biphenyl	7.107	154	1514743	23.93	ppb		100
54) 2-Nitroaniline	7.272	65	388832	25.63	ppb		100
55) Dimethylphthalate	7.513	163	1220143	24.49	ppb		100
56) Acenaphthylene	7.668	152	1909218	26.01	ppb		100
57) 2,6-Dinitrotoluene	7.588	165	292870	26.75	ppb		100
58) 3-Nitroaniline	7.823	138	365946	26.26	ppb		100
59) Acenaphthene	7.904	153	1145398	25.43	ppb		100
60) 2,4-Dinitrophenol	7.973	184	271347	56.85	ppb		100
61) 4-Nitrophenol	8.144	109	202530	199.70	ppb	#	1
62) Dibenzofuran	8.144	168	1533701	24.79	ppb		100
63) 2,4-Dinitrotoluene	8.155	165	392246	27.54	ppb		100
64) 2,3,4,6-Tetrachlorophenol	8.347	232	239476	25.88	ppb		100
65) Diethylphthalate	8.508	149	1285936	25.15	ppb		100
66) Fluorene	8.636	166	1263395	26.04	ppb		100
67) 4-Chlorophenyl-phenyle...	8.647	204	509692	25.75	ppb		100
68) 4-Nitroaniline	8.695	138	362051	27.29	ppb		100
70) 4,6-Dinitro-2-methylph...	8.749	198	197383	29.65	ppb		100
71) n-Nitrosodiphenylamine	8.829	169	842659	25.73	ppb		100
72) 1,2-Diphenylhydrazine	8.882	77	1635072	27.16	ppb		100
74) 4-Bromophenyl-phenylether	9.374	248	252953	24.81	ppb		100
75) Hexachlorobenzene	9.465	284	266565	25.21	ppb		100
76) Pentachlorophenol	9.786	266	296023	55.80	ppb		100
77) Phenanthrene	10.070	178	1742270	25.00	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64045.D
Acq On : 3 Jun 2014 12:51 pm
Operator : olgaa
Sample : ic2718-25
Misc : op75039,E2M2718,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:14 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:13:17 2014
QLast Update : Tue Jun 03 16:21:53 2014
Response via : Initial Calibration

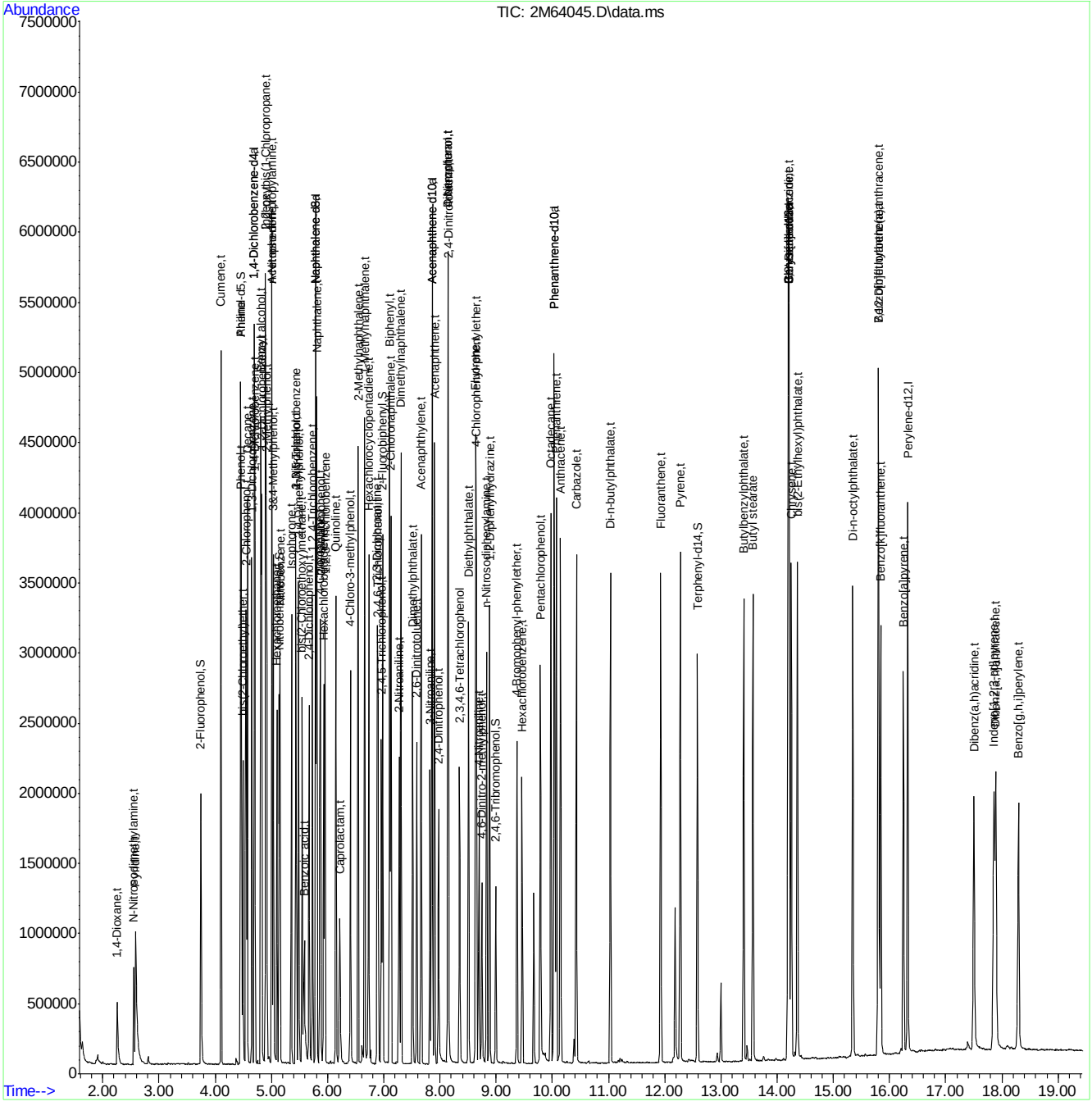
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.150	178	1800677	26.28	ppb	100
79) Carbazole	10.428	167	1784512	24.24	ppb	100
80) Di-n-butylphthalate	11.032	149	2185755	26.10	ppb	100
81) Fluoranthene	11.931	202	1694754	25.73	ppb	100
82) Octadecane	9.973	57	747774	25.79	ppb	100
84) Pyrene	12.279	202	1777405	25.77	ppb	100
86) Butylbenzylphthalate	13.407	149	967355	26.31	ppb	100
87) Butyl stearate	13.568	56	498339	28.91	ppb	100
88) Benzo[a]anthracene	14.199	228	1465572	24.74	ppb	100
89) 3,3'-Dichlorobenzidine	14.199	252	503232	26.50	ppb	100
90) Chrysene	14.252	228	1424398	24.81	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.365	149	1327626	26.66	ppb	100
93) Di-n-octylphthalate	15.343	149	2284777	27.17	ppb	100
94) Benzo[b]fluoranthene	15.803	252	1336401	24.54	ppb	100
95) Benzo[k]fluoranthene	15.846	252	1320049	25.94	ppb	100
96) Benzo[a]pyrene	16.247	252	1211931	25.52	ppb	100
97) Indeno[1,2,3-cd]pyrene	17.857	276	1419989	25.13	ppb	100
98) Dibenz(a,h)acridine	17.504	279	1042485	23.64	ppb	100
99) Dibenz[a,h]anthracene	17.889	278	1194977	25.03	ppb	100
100) 7,12-Dimethylbenz(a)an...	15.803	256	592569	30.40	ppb	100
101) Benzo[g,h,i]perylene	18.296	276	1150984	25.69	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64045.D
Acq On : 3 Jun 2014 12:51 pm
Operator : olgaa
Sample : ic2718-25
Misc : op75039,E2M2718,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:14 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:13:17 2014
QLast Update : Tue Jun 03 16:21:53 2014
Response via : Initial Calibration



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Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/04/14 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64046.D
Acq On : 3 Jun 2014 1:57 pm
Operator : olgaa
Sample : ic2718-100
Misc : op75039,E2M2718,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:41:04 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:22:26 2014
QLast Update : Tue Jun 03 16:23:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.700	152	853198	40.00	ppb	0.00
24) Naphthalene-d8	5.791	136	3628429	40.00	ppb	0.00
47) Acenaphthene-d10	7.866	164	2079164	40.00	ppb	0.00
69) Phenanthrene-d10	10.043	188	3211313	40.00	ppb	0.00
83) Chrysene-d12	14.231	240	2623596	40.00	ppb	0.00
92) Perylene-d12	16.338	264	2175827	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.700	152	853198	40.00	ppb	0.00
104) Acenaphthene-d10a	7.866	164	2079164	40.00	ppb	0.00
107) Chrysene-d12a	14.231	240	2623596	40.00	ppb	0.00
110) Phenanthrene-d10a	10.043	188	3211313	40.00	ppb	0.00
113) Naphthalene-d8a	5.791	136	3628429	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	3105047	90.81	ppb	0.00
Spiked Amount 50.000			Recovery =	181.62%		
8) Phenol-d5	4.464	99	3356585	77.58	ppb	0.00
Spiked Amount 50.000			Recovery =	155.16%		
25) Nitrobenzene-d5	5.149	82	3609852	85.81	ppb	0.00
Spiked Amount 50.000			Recovery =	171.62%		
51) 2-Fluorobiphenyl	6.994	172	5469309	82.49	ppb	0.00
Spiked Amount 50.000			Recovery =	164.98%		
73) 2,4,6-Tribromophenol	9.011	330	631092	101.51	ppb	0.00
Spiked Amount 50.000			Recovery =	203.02%		
85) Terphenyl-d14	12.594	244	5355292	94.56	ppb	0.00
Spiked Amount 50.000			Recovery =	189.12%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.250	88	1563633	102.76	ppb	99
3) Pyridine	2.576	79	4285141	105.49	ppb	99
4) N-Nitrosodimethylamine	2.550	74	2222210	93.03	ppb	99
6) Indene	4.898	116	5288457	87.03	ppb	98
7) Cumene	4.101	105	8067750	88.82	ppb	98
9) Phenol	4.475	94	4345167	80.77	ppb	100
10) Aniline	4.454	93	3725773	69.20	ppb	74
11) bis(2-Chloroethyl)ether	4.502	93	3176829	90.50	ppb	90
12) 2-Chlorophenol	4.555	128	2816792	81.70	ppb	95
13) Decane	4.571	43	1935162	84.55	ppb	89
14) 1,3-Dichlorobenzene	4.657	146	3154832	83.10	ppb	98
15) 1,4-Dichlorobenzene	4.710	146	3150434	82.46	ppb	98
16) Benzyl alcohol	4.817	108	1772239	72.24	ppb	90
17) 1,2-Dichlorobenzene	4.833	146	2762714	77.85	ppb	97
18) Acetophenone	5.021	105	4713865	92.00	ppb	93
19) 2-Methylphenol	4.924	108	3021467	90.06	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.908	45	2098809	79.67	ppb	97
21) 3&4-Methylphenol	5.047	108	3154875	87.46	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64046.D
Acq On : 3 Jun 2014 1:57 pm
Operator : olgaa
Sample : ic2718-100
Misc : op75039,E2M2718,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:41:04 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:22:26 2014
QLast Update : Tue Jun 03 16:23:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.031	70	1882983	74.74	ppb		96
23) Hexachloroethane	5.101	201	932326	87.76	ppb		97
26) Nitrobenzene	5.165	77	3689244	81.14	ppb		97
27) Quinoline	6.192	129	7328159m	102.13	ppb		
28) Isophorone	5.368	82	6280033	82.25	ppb		98
29) 2-Nitrophenol	5.443	139	1487528	76.83	ppb		71
30) 2,4-Dimethylphenol	5.491	107	3152651	89.08	ppb		99
31) Benzoic acid	5.657	105	2616565	103.80	ppb		99
32) bis(2-Chloroethoxy)met...	5.556	93	3586915	83.72	ppb		99
33) 2,4-Dichlorophenol	5.679	162	2302099	83.21	ppb		98
34) 2,6-Dichlorophenol	5.887	162	2201413	81.11	ppb		98
35) 1,3,5-Trichlorobenzene	5.449	180	2560729	87.43	ppb		98
36) 1,2,4-Trichlorobenzene	5.737	180	2372519	84.26	ppb		99
37) 1,2,3-Trichlorobenzene	5.962	180	2665727	94.46	ppb		99
38) Naphthalene	5.812	128	8274919	77.86	ppb		99
39) 4-Chloroaniline	5.882	127	3159415	75.22	ppb		95
40) 2,3-Dichloroaniline	6.893	161	3177578	93.01	ppb		98
41) Caprolactam	6.283	55	986130	78.73	ppb		93
42) Hexachlorobutadiene	5.941	225	1238004	84.02	ppb		96
43) 4-Chloro-3-methylphenol	6.433	107	3001421	87.24	ppb	#	35
44) 2-Methylnaphthalene	6.550	141	4806477	81.09	ppb		98
45) 1-Methylnaphthalene	6.668	142	6237974	90.63	ppb		99
46) Dimethylnaphthalene	7.321	156	5641949	90.54	ppb		98
48) Hexachlorocyclopentadiene	6.743	237	2743605	199.76	ppb		96
49) 2,4,6-Trichlorophenol	6.909	196	1552043	89.56	ppb		97
50) 2,4,5-Trichlorophenol	6.973	196	1644493	90.61	ppb		98
52) 2-Chloronaphthalene	7.144	162	5286264	83.95	ppb		98
53) Biphenyl	7.123	154	7626716	91.07	ppb		99
54) 2-Nitroaniline	7.294	65	1946359	90.54	ppb		94
55) Dimethylphthalate	7.529	163	6088004	90.25	ppb		99
56) Acenaphthylene	7.679	152	9000336	85.27	ppb		100
57) 2,6-Dinitrotoluene	7.609	165	1448377	89.45	ppb		95
58) 3-Nitroaniline	7.845	138	1795132	88.73	ppb		99
59) Acenaphthene	7.914	153	5335997	84.26	ppb		99
60) 2,4-Dinitrophenol	8.000	184	1821851	242.89	ppb	#	71
61) 4-Nitrophenol	8.166	109	940936	84.03	ppb	#	1
62) Dibenzofuran	8.160	168	6757144	79.69	ppb		95
63) 2,4-Dinitrotoluene	8.176	165	1839992	84.85	ppb		89
64) 2,3,4,6-Tetrachlorophenol	8.364	232	1294088	97.74	ppb		91
65) Diethylphthalate	8.529	149	6298472	88.59	ppb		99
66) Fluorene	8.647	166	5470430	78.32	ppb		99
67) 4-Chlorophenyl-phenyle...	8.658	204	2329255	82.66	ppb		95
68) 4-Nitroaniline	8.738	138	1833974	91.62	ppb		98
70) 4,6-Dinitro-2-methylph...	8.775	198	1173098	105.74	ppb		98
71) n-Nitrosodiphenylamine	8.850	169	4183292	88.33	ppb		97
72) 1,2-Diphenylhydrazine	8.893	77	7315739	79.61	ppb		99
74) 4-Bromophenyl-phenylether	9.385	248	1331177	93.63	ppb		92
75) Hexachlorobenzene	9.476	284	1444809	96.44	ppb		91
76) Pentachlorophenol	9.802	266	1814211	218.08	ppb		100
77) Phenanthrene	10.086	178	8347337	85.24	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64046.D
Acq On : 3 Jun 2014 1:57 pm
Operator : olgaa
Sample : ic2718-100
Misc : op75039,E2M2718,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:41:04 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:22:26 2014
QLast Update : Tue Jun 03 16:23:47 2014
Response via : Initial Calibration

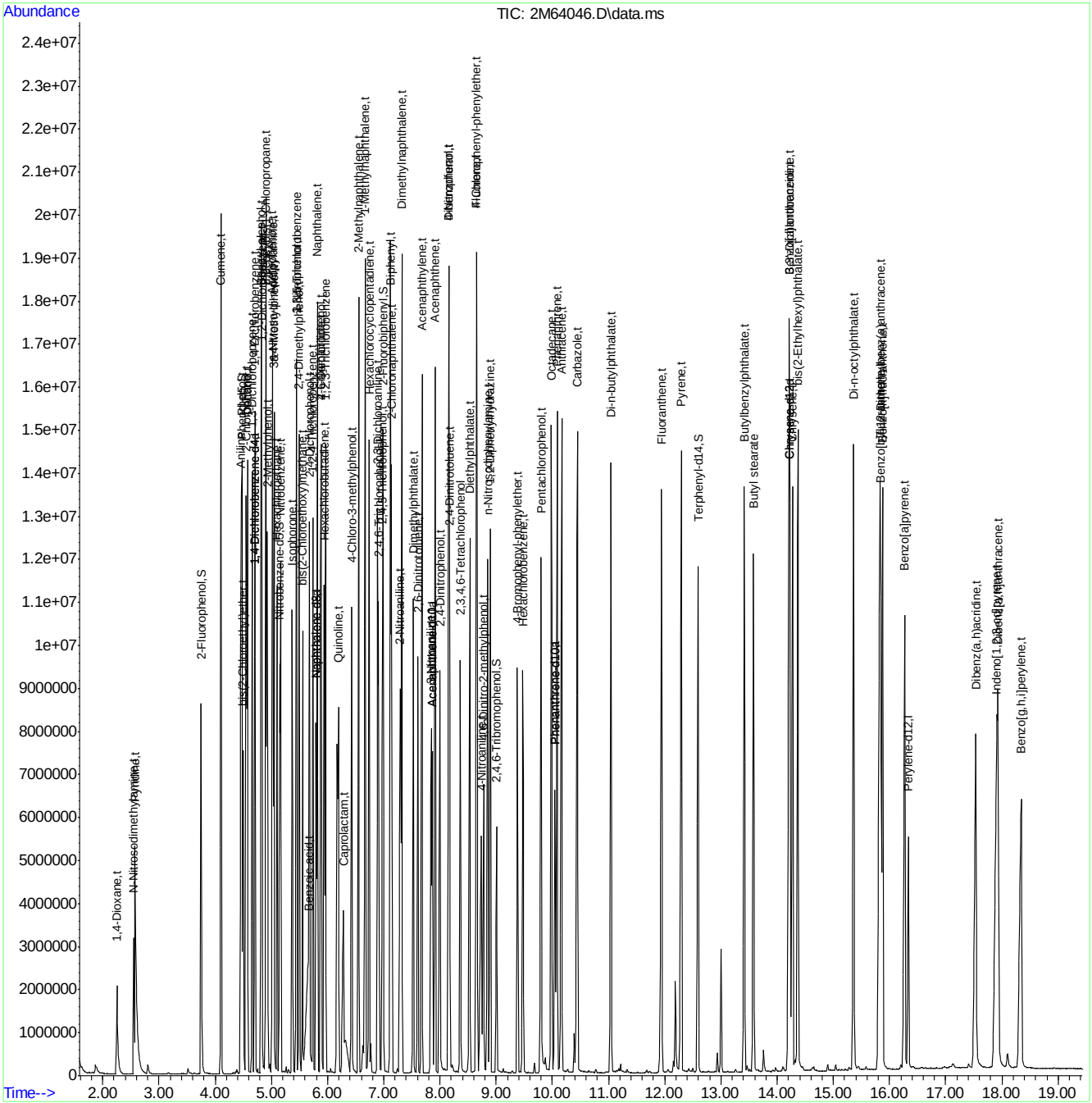
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.166	178	8497550	83.96	ppb	99
79) Carbazole	10.444	167	9565293	95.37	ppb	99
80) Di-n-butylphthalate	11.043	149	10522134	85.65	ppb	99
81) Fluoranthene	11.942	202	8325630	87.41	ppb	98
82) Octadecane	9.984	57	3350628	79.72	ppb	94
84) Pyrene	12.295	202	8754066	91.60	ppb	98
86) Butylbenzylphthalate	13.418	149	4639640	89.20	ppb	95
87) Butyl stearate	13.579	56	1946726	72.65	ppb	92
88) Benzo[a]anthracene	14.210	228	7103222	90.14	ppb	99
89) 3,3'-Dichlorobenzidine	14.220	252	2465786	91.13	ppb	96
90) Chrysene	14.274	228	7187802	93.85	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.370	149	6338688	88.79	ppb	98
93) Di-n-octylphthalate	15.360	149	11071385	88.07	ppb	99
94) Benzo[b]fluoranthene	15.846	252	7449510	101.31	ppb	91
95) Benzo[k]fluoranthene	15.878	252	6588253	90.71	ppb	95
96) Benzo[a]pyrene	16.269	252	6246838	93.68	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.900	276	7620091	97.53	ppb	89
98) Dibenz(a,h)acridine	17.537	279	6416486	111.86	ppb	99
99) Dibenz[a,h]anthracene	17.932	278	6553090	99.67	ppb	92
100) 7,12-Dimethylbenz(a)an...	15.830	256	3733689	114.52	ppb	98
101) Benzo[g,h,i]perylene	18.344	276	6160466	97.28	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64046.D
Acq On : 3 Jun 2014 1:57 pm
Operator : olgaa
Sample : ic2718-100
Misc : op75039,E2M2718,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:41:04 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:22:26 2014
QLast Update : Tue Jun 03 16:23:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

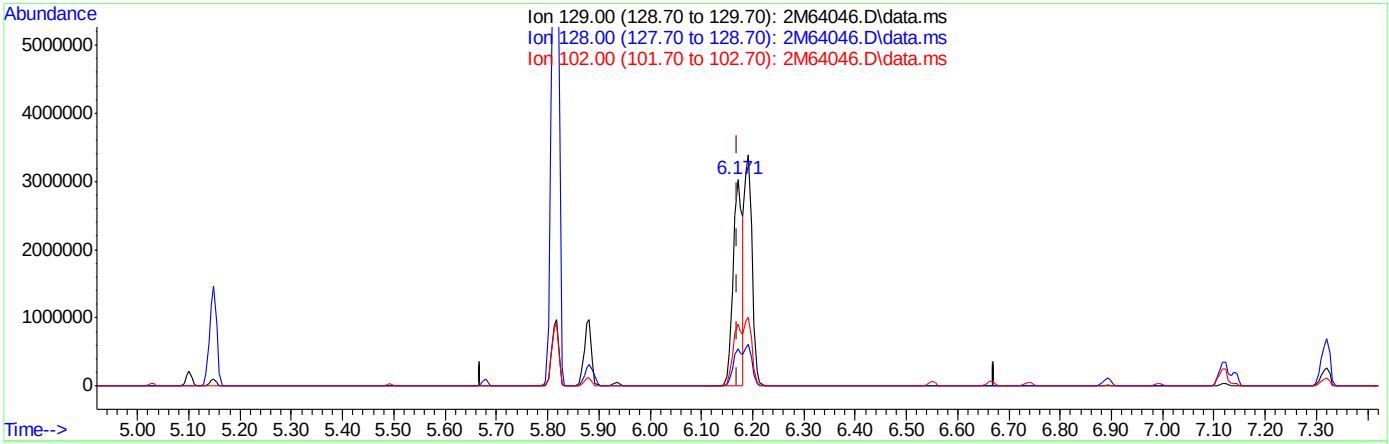
Sample Number:	E2M2718-IC2718	**Method:**	SW846 8270D
Lab FileID:	2M64046.D	**Analyst approved:**	06/04/14 13:14 Olga Azarihn
Injection Time:	06/03/14 13:57	**Supervisor approved:**	06/04/14 15:56 Nina Pandya

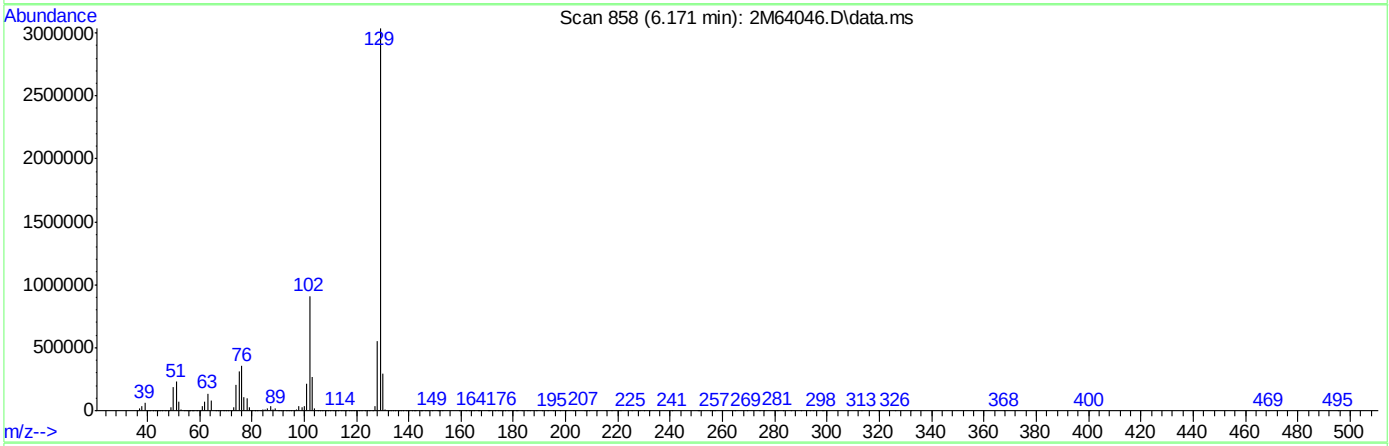
Parameter	CAS	Sig#	R.T. (min.)	Reason
Quinoline	91-22-5		6.19	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64046.D
Acq On : 3 Jun 2014 1:57 pm
Operator : olgaa
Sample : ic2718-100
Misc : op75039,E2M2718,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:24:07 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:22:26 2014
QLast Update : Tue Jun 03 16:23:47 2014
Response via : Initial Calibration





TIC: 2M64046.D\data.ms

(27) Quinoline (t)

6.171min (0.000) 56.75ppb

response 4072225

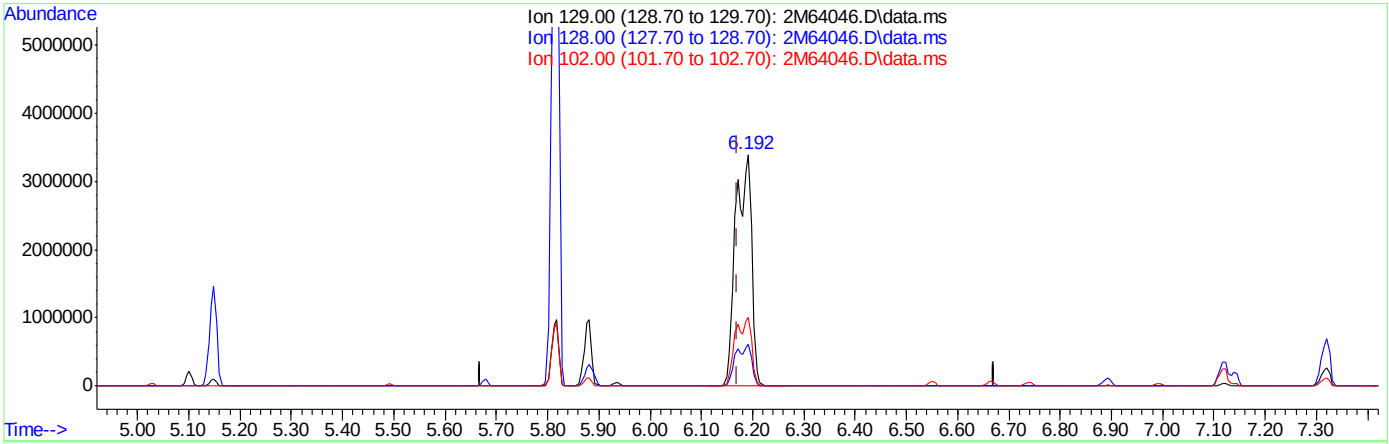
Ion	Exp%	Act%
129.00	100	100
128.00	18.10	17.91
102.00	30.60	29.76
0.00	0.00	0.00

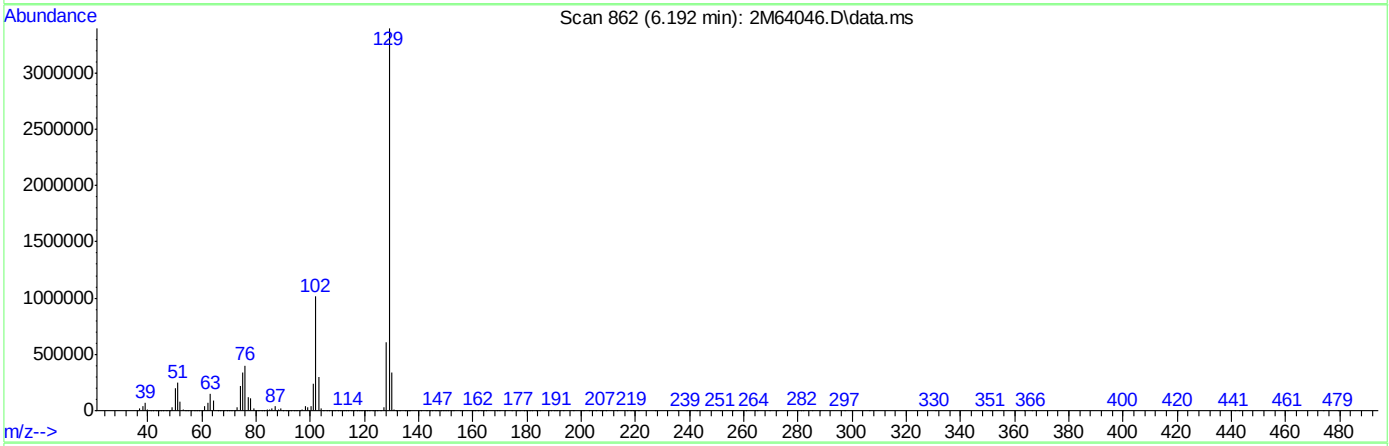
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64046.D
Acq On : 3 Jun 2014 1:57 pm
Operator : olgaa
Sample : ic2718-100
Misc : op75039,E2M2718,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:41:04 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:22:26 2014
QLast Update : Tue Jun 03 16:23:47 2014
Response via : Initial Calibration





TIC: 2M64046.D\data.ms

(27) Quinoline (t)

6.192min (+0.021) 102.13ppb m

response 7328159

Ion	Exp%	Act%
129.00	100	100
128.00	18.10	18.02
102.00	30.60	29.90
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64047.D
Acq On : 3 Jun 2014 2:40 pm
Operator : olgaa
Sample : ic2718-1
Misc : op75039,E2M2718,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:26:21 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:24:23 2014
QLast Update : Tue Jun 03 16:26:01 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	965205	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3986366	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	2270248	40.00	ppb	0.00
69) Phenanthrene-d10	10.038	188	3508222	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	3074388	40.00	ppb	0.00
92) Perylene-d12	16.333	264	2461629	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	965205	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	2270248	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	3074388	40.00	ppb	0.00
110) Phenanthrene-d10a	10.038	188	3508222	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3986366	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	39912	1.08	ppb	0.00
Spiked Amount 50.000			Recovery =	2.16%		
8) Phenol-d5	4.459	99	52686	1.21	ppb	0.00
Spiked Amount 50.000			Recovery =	2.42%		
25) Nitrobenzene-d5	5.138	82	47104	1.10	ppb	0.00
Spiked Amount 50.000			Recovery =	2.20%		
51) 2-Fluorobiphenyl	6.978	172	80022	1.21	ppb	0.00
Spiked Amount 50.000			Recovery =	2.42%		
73) 2,4,6-Tribromophenol	8.995	330	6321	0.92	ppb	0.00
Spiked Amount 50.000			Recovery =	1.84%		
85) Terphenyl-d14	12.578	244	64304	1.00	ppb	0.00
Spiked Amount 50.000			Recovery =	2.00%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.266	88	20668	1.18	ppb	94
3) Pyridine	2.614	79	50358	1.07	ppb	92
4) N-Nitrosodimethylamine	2.566	74	28481	1.09	ppb	98
6) Indene	4.898	116	86378	1.34	ppb	95
7) Cumene	4.101	105	125166	1.29	ppb	99
9) Phenol	4.470	94	71149	1.29	ppb	92
10) Aniline	4.454	93	70874	1.38	ppb	96
11) bis(2-Chloroethyl)ether	4.491	93	45477	1.20	ppb	96
12) 2-Chlorophenol	4.550	128	43418	1.23	ppb	96
13) Decane	4.571	43	32557	1.36	ppb	97
14) 1,3-Dichlorobenzene	4.652	146	47332	1.20	ppb	95
15) 1,4-Dichlorobenzene	4.705	146	48184	1.22	ppb	90
16) Benzyl alcohol	4.812	108	27924	1.17	ppb	96
17) 1,2-Dichlorobenzene	4.828	146	45489	1.27	ppb	99
18) Acetophenone	5.010	105	71385	1.28	ppb	97
19) 2-Methylphenol	4.914	108	42076	1.17	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.903	45	36420	1.36	ppb	96
21) 3&4-Methylphenol	5.037	108	44108	1.15	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64047.D
Acq On : 3 Jun 2014 2:40 pm
Operator : olgaa
Sample : ic2718-1
Misc : op75039,E2M2718,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:26:21 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:24:23 2014
QLast Update : Tue Jun 03 16:26:01 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.005	70	33329	1.34	ppb		94
23) Hexachloroethane	5.095	201	12846	1.14	ppb		89
26) Nitrobenzene	5.154	77	54130	1.20	ppb		96
27) Quinoline	6.149	129	89360	1.45	ppb		99
28) Isophorone	5.352	82	88057	1.15	ppb		97
29) 2-Nitrophenol	5.432	139	22669	1.21	ppb		90
30) 2,4-Dimethylphenol	5.481	107	32973	0.90	ppb		99
31) Benzoic acid	5.571	105	16244	0.58	ppb		97
32) bis(2-Chloroethoxy)met...	5.545	93	50444	1.17	ppb		97
33) 2,4-Dichlorophenol	5.673	162	32086	1.15	ppb		89
34) 2,6-Dichlorophenol	5.876	162	32010	1.19	ppb		99
35) 1,3,5-Trichlorobenzene	5.443	180	38612	1.28	ppb		97
36) 1,2,4-Trichlorobenzene	5.732	180	32109	1.13	ppb		94
37) 1,2,3-Trichlorobenzene	5.951	180	37189	1.23	ppb		100
38) Naphthalene	5.807	128	133237	1.28	ppb		99
39) 4-Chloroaniline	5.866	127	46330	1.15	ppb		99
40) 2,3-Dichloroaniline	6.882	161	44681	1.23	ppb		97
41) Caprolactam	6.192	55	17024	1.38	ppb		96
42) Hexachlorobutadiene	5.930	225	18247	1.23	ppb		92
43) 4-Chloro-3-methylphenol	6.406	107	39032	1.10	ppb		91
44) 2-Methylnaphthalene	6.540	141	69730	1.18	ppb		98
45) 1-Methylnaphthalene	6.657	142	92830	1.29	ppb		95
46) Dimethylnaphthalene	7.304	156	78845	1.21	ppb		95
48) Hexachlorocyclopentadiene	6.732	237	21729	1.45	ppb		95
49) 2,4,6-Trichlorophenol	6.893	196	19806	1.10	ppb		96
50) 2,4,5-Trichlorophenol	6.957	196	19669	1.04	ppb		92
52) 2-Chloronaphthalene	7.128	162	73606	1.16	ppb		95
53) Biphenyl	7.101	154	111836	1.28	ppb		99
54) 2-Nitroaniline	7.272	65	23949	1.07	ppb		94
55) Dimethylphthalate	7.508	163	85415	1.22	ppb		99
56) Acenaphthylene	7.663	152	118803	1.11	ppb		98
57) 2,6-Dinitrotoluene	7.588	165	16078	0.96	ppb		93
58) 3-Nitroaniline	7.818	138	21392	1.03	ppb		94
59) Acenaphthene	7.898	153	76486	1.20	ppb		96
60) 2,4-Dinitrophenol	7.984	184	6944	0.77	ppb		89
61) 4-Nitrophenol	8.155	109	9717	0.86	ppb	#	1
62) Dibenzofuran	8.144	168	113689	1.37	ppb		84
63) 2,4-Dinitrotoluene	8.150	165	20705	0.95	ppb		75
64) 2,3,4,6-Tetrachlorophenol	8.347	232	13301	0.93	ppb		98
65) Diethylphthalate	8.503	149	85130	1.16	ppb		98
66) Fluorene	8.631	166	83632	1.23	ppb		100
67) 4-Chlorophenyl-phenyle...	8.647	204	33401	1.19	ppb		98
68) 4-Nitroaniline	8.684	138	18190	0.87	ppb		85
70) 4,6-Dinitro-2-methylph...	8.743	198	5719	0.46	ppb		90
71) n-Nitrosodiphenylamine	8.829	169	53358	1.10	ppb		97
72) 1,2-Diphenylhydrazine	8.877	77	96886	1.07	ppb		97
74) 4-Bromophenyl-phenylether	9.369	248	16874	1.12	ppb		89
75) Hexachlorobenzene	9.460	284	16540	1.03	ppb		87
76) Pentachlorophenol	9.786	266	10866	1.14	ppb		95
77) Phenanthrene	10.064	178	122807	1.24	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64047.D
Acq On : 3 Jun 2014 2:40 pm
Operator : olgaa
Sample : ic2718-1
Misc : op75039,E2M2718,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:26:21 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:24:23 2014
QLast Update : Tue Jun 03 16:26:01 2014
Response via : Initial Calibration

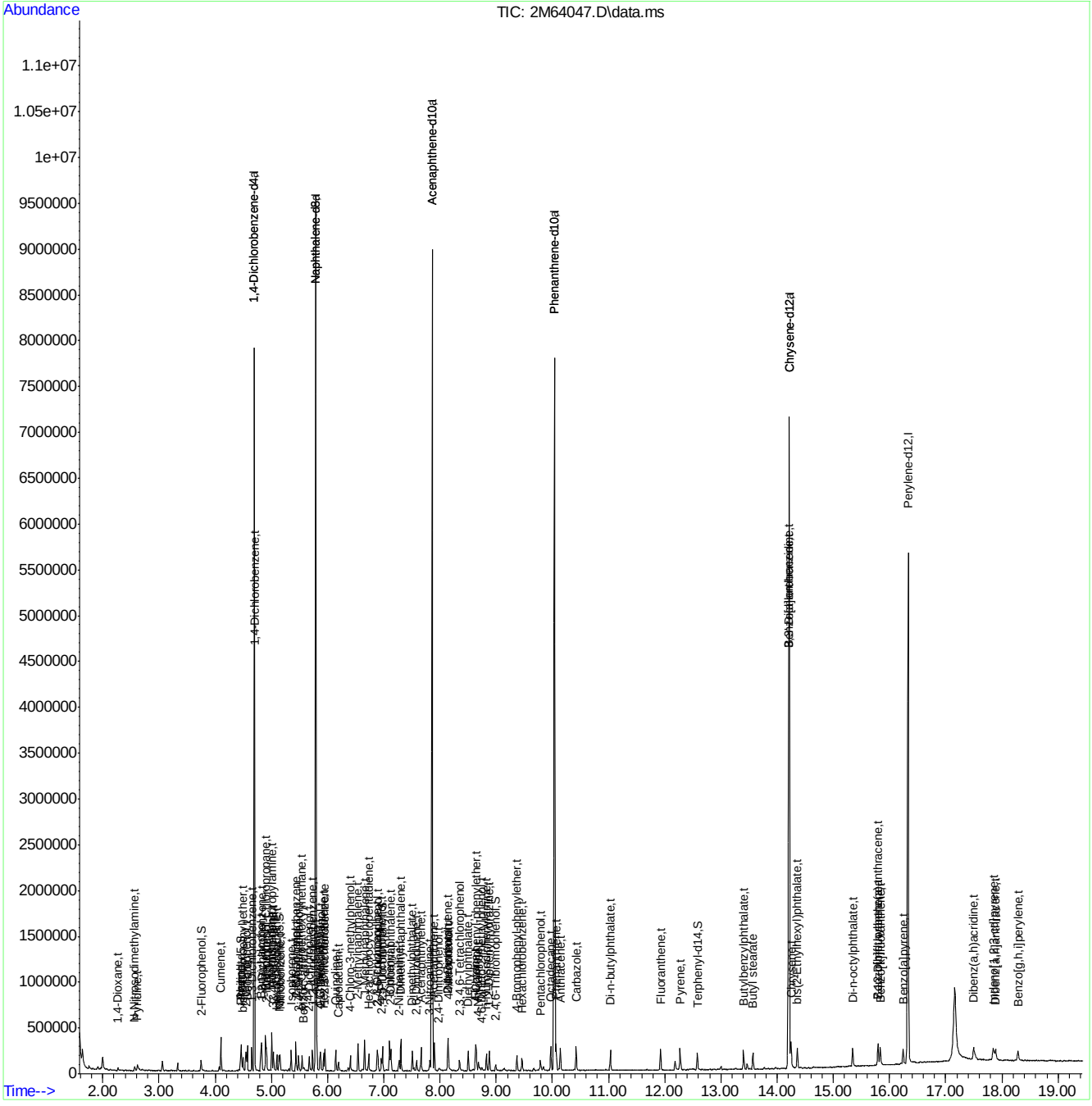
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.145	178	112079	1.10	ppb	100
79) Carbazole	10.423	167	124916	1.17	ppb	98
80) Di-n-butylphthalate	11.032	149	136518	1.10	ppb	98
81) Fluoranthene	11.926	202	108356	1.11	ppb	97
82) Octadecane	9.973	57	51012	1.24	ppb	98
84) Pyrene	12.273	202	111387	1.04	ppb	97
86) Butylbenzylphthalate	13.402	149	58423	1.01	ppb	93
87) Butyl stearate	13.568	56	27235	1.00	ppb	99
88) Benzo[a]anthracene	14.199	228	104402	1.19	ppb	96
89) 3,3'-Dichlorobenzidine	14.199	252	29147	0.96	ppb	96
90) Chrysene	14.247	228	97302	1.12	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.359	149	77390	0.98	ppb	94
93) Di-n-octylphthalate	15.343	149	125046	0.93	ppb	99
94) Benzo[b]fluoranthene	15.798	252	86794	1.04	ppb	98
95) Benzo[k]fluoranthene	15.836	252	81115	1.04	ppb	94
96) Benzo[a]pyrene	16.242	252	75482	1.03	ppb	95
97) Indeno[1,2,3-cd]pyrene	17.852	276	89271	1.02	ppb	94
98) Dibenz(a,h)acridine	17.499	279	68413	1.00	ppb	90
99) Dibenz[a,h]anthracene	17.884	278	74363	1.00	ppb	94
100) 7,12-Dimethylbenz(a)an...	15.793	256	11868	0.30	ppb	88
101) Benzo[g,h,i]perylene	18.285	276	67801	0.96	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64047.D
Acq On : 3 Jun 2014 2:40 pm
Operator : olgaa
Sample : ic2718-1
Misc : op75039,E2M2718,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:26:21 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:24:23 2014
QLast Update : Tue Jun 03 16:26:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64048.D
Acq On : 3 Jun 2014 3:11 pm
Operator : olgaa
Sample : ic2718-2
Misc : op75039,E2M2718,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 08:11:03 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:10:07 2014
QLast Update : Wed Jun 04 08:10:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	903273	40.00	ppb	0.00
24) Naphthalene-d8	5.786	136	3698141	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	2065738	40.00	ppb	0.00
69) Phenanthrene-d10	10.038	188	3212604	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	2790594	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2228573	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	903273	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	2065738	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	2790594	40.00	ppb	0.00
110) Phenanthrene-d10a	10.038	188	3212604	40.00	ppb	0.00
113) Naphthalene-d8a	5.786	136	3698141	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	74003	2.07	ppb	0.00
Spiked Amount 50.000			Recovery =	4.14%		
8) Phenol-d5	4.459	99	99585	2.24	ppb	0.00
Spiked Amount 50.000			Recovery =	4.48%		
25) Nitrobenzene-d5	5.138	82	89734	2.14	ppb	0.00
Spiked Amount 50.000			Recovery =	4.28%		
51) 2-Fluorobiphenyl	6.978	172	141714	2.16	ppb	0.00
Spiked Amount 50.000			Recovery =	4.32%		
73) 2,4,6-Tribromophenol	8.995	330	11166	1.85	ppb	0.00
Spiked Amount 50.000			Recovery =	3.70%		
85) Terphenyl-d14	12.578	244	116425	1.99	ppb	0.00
Spiked Amount 50.000			Recovery =	3.98%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.261	88	37033	2.07	ppb	94
3) Pyridine	2.608	79	97592	2.10	ppb	96
4) N-Nitrosodimethylamine	2.560	74	53155	2.07	ppb	98
6) Indene	4.898	116	154385	2.24	ppb	97
7) Cumene	4.101	105	232937	2.25	ppb	95
9) Phenol	4.470	94	123535	2.18	ppb	98
10) Aniline	4.454	93	131436	2.39	ppb	89
11) bis(2-Chloroethyl)ether	4.491	93	81678	2.13	ppb	98
12) 2-Chlorophenol	4.550	128	77413	2.15	ppb	92
13) Decane	4.571	43	62986	2.40	ppb	95
14) 1,3-Dichlorobenzene	4.652	146	85818	2.16	ppb	98
15) 1,4-Dichlorobenzene	4.705	146	88240	2.20	ppb	96
16) Benzyl alcohol	4.807	108	53952	2.21	ppb	87
17) 1,2-Dichlorobenzene	4.828	146	82932	2.23	ppb	97
18) Acetophenone	5.010	105	133889	2.28	ppb	95
19) 2-Methylphenol	4.914	108	74282	2.07	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.903	45	64972	2.27	ppb	95
21) 3&4-Methylphenol	5.037	108	79107	2.08	ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64048.D
Acq On : 3 Jun 2014 3:11 pm
Operator : olgaa
Sample : ic2718-2
Misc : op75039,E2M2718,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 08:11:03 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:10:07 2014
QLast Update : Wed Jun 04 08:10:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.005	70	59566	2.25	ppb		96
23) Hexachloroethane	5.096	201	22922	2.07	ppb	#	78
26) Nitrobenzene	5.154	77	98533	2.17	ppb		98
27) Quinoline	6.144	129	170243	2.16	ppb		99
28) Isophorone	5.352	82	160644	2.12	ppb		97
29) 2-Nitrophenol	5.433	139	40023	2.12	ppb		93
30) 2,4-Dimethylphenol	5.481	107	48363	1.51	ppb		95
31) Benzoic acid	5.572	105	38257	1.63	ppb		98
32) bis(2-Chloroethoxy)met...	5.545	93	90964	2.11	ppb		95
33) 2,4-Dichlorophenol	5.673	162	58748	2.13	ppb		98
34) 2,6-Dichlorophenol	5.876	162	58417	2.17	ppb		97
35) 1,3,5-Trichlorobenzene	5.438	180	72186	2.25	ppb		96
36) 1,2,4-Trichlorobenzene	5.732	180	59632	2.13	ppb		96
37) 1,2,3-Trichlorobenzene	5.951	180	69006	2.22	ppb		94
38) Naphthalene	5.807	128	227776	2.14	ppb		100
39) 4-Chloroaniline	5.866	127	89254	2.20	ppb		96
40) 2,3-Dichloroaniline	6.882	161	81664	2.20	ppb		95
41) Caprolactam	6.192	55	29087	2.15	ppb		99
42) Hexachlorobutadiene	5.930	225	30661	2.08	ppb		99
43) 4-Chloro-3-methylphenol	6.406	107	71173	2.09	ppb		99
44) 2-Methylnaphthalene	6.540	141	127423	2.16	ppb		97
45) 1-Methylnaphthalene	6.657	142	170218	2.26	ppb		98
46) Dimethylnaphthalene	7.305	156	149094	2.23	ppb		98
48) Hexachlorocyclopentadiene	6.732	237	40308	3.20	ppb		94
49) 2,4,6-Trichlorophenol	6.893	196	35624	2.09	ppb		95
50) 2,4,5-Trichlorophenol	6.957	196	37134	2.09	ppb		96
52) 2-Chloronaphthalene	7.128	162	133704	2.17	ppb		94
53) Biphenyl	7.101	154	205590	2.27	ppb		98
54) 2-Nitroaniline	7.267	65	43248	2.05	ppb		89
55) Dimethylphthalate	7.508	163	141829	2.08	ppb		98
56) Acenaphthylene	7.663	152	218719	2.13	ppb		99
57) 2,6-Dinitrotoluene	7.588	165	31299	2.03	ppb		95
58) 3-Nitroaniline	7.818	138	38801	2.01	ppb		93
59) Acenaphthene	7.898	153	135094	2.16	ppb		99
60) 2,4-Dinitrophenol	7.979	184	12045	1.47	ppb		72
61) 4-Nitrophenol	8.150	109	20225	1.99	ppb	#	72
62) Dibenzofuran	8.144	168	186711	2.21	ppb		91
63) 2,4-Dinitrotoluene	8.150	165	40353	1.98	ppb		74
64) 2,3,4,6-Tetrachlorophenol	8.348	232	23285	1.82	ppb		84
65) Diethylphthalate	8.503	149	147770	2.10	ppb		97
66) Fluorene	8.631	166	146927	2.16	ppb		99
67) 4-Chlorophenyl-phenyle...	8.647	204	60269	2.17	ppb		99
68) 4-Nitroaniline	8.690	138	38001	2.00	ppb		99
70) 4,6-Dinitro-2-methylph...	8.743	198	13344	1.28	ppb		94
71) n-Nitrosodiphenylamine	8.829	169	97006	2.06	ppb		97
72) 1,2-Diphenylhydrazine	8.877	77	181414	2.08	ppb		95
74) 4-Bromophenyl-phenylether	9.369	248	28970	2.02	ppb		91
75) Hexachlorobenzene	9.460	284	29938	2.01	ppb		92
76) Pentachlorophenol	9.786	266	22041	2.81	ppb		89
77) Phenanthrene	10.064	178	213329	2.16	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64048.D
Acq On : 3 Jun 2014 3:11 pm
Operator : olgaa
Sample : ic2718-2
Misc : op75039,E2M2718,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 08:11:03 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:10:07 2014
QLast Update : Wed Jun 04 08:10:25 2014
Response via : Initial Calibration

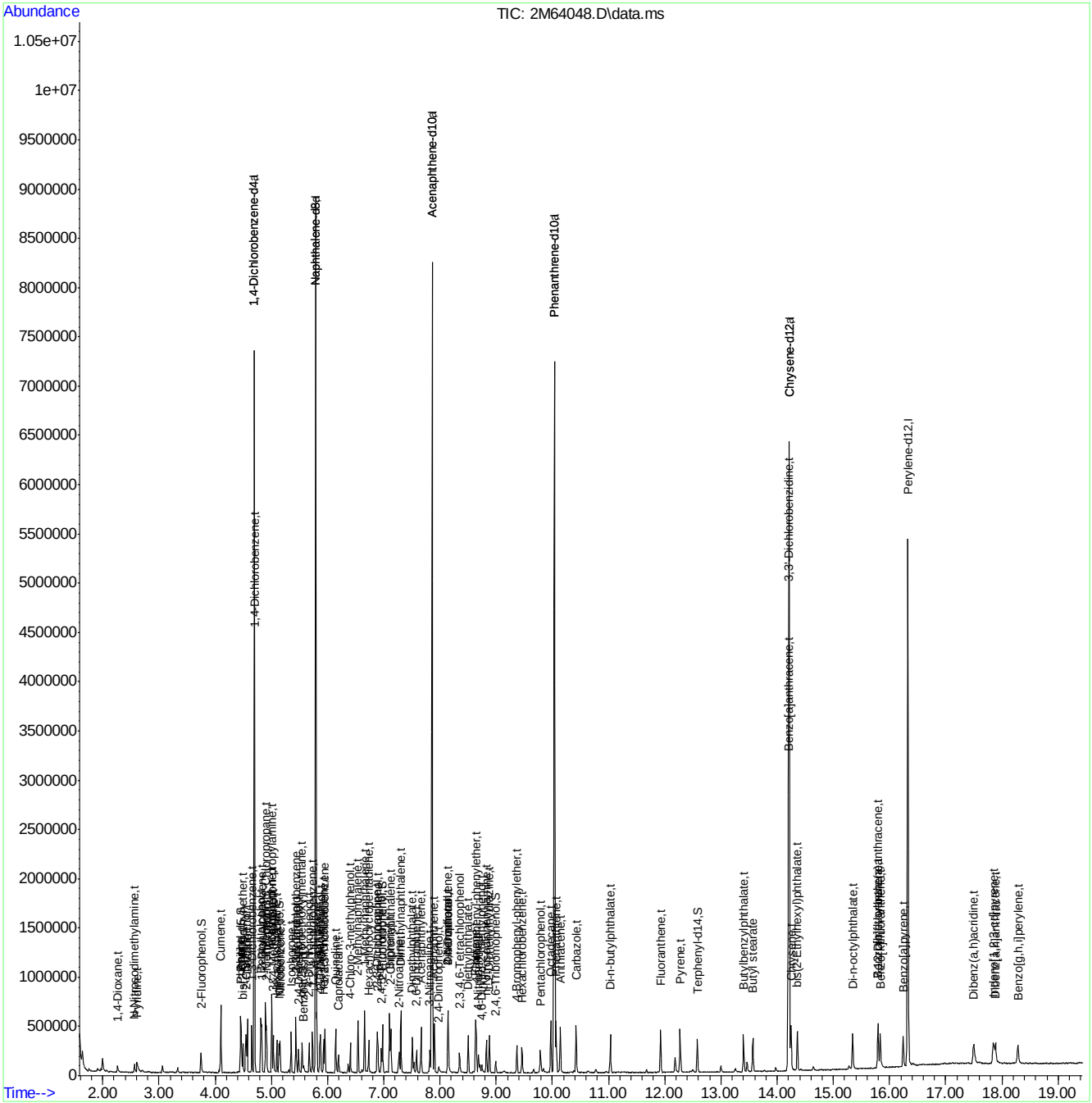
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.145	178	203883	2.08	ppb	99
79) Carbazole	10.423	167	234467	2.18	ppb	97
80) Di-n-butylphthalate	11.033	149	236040	1.99	ppb	98
81) Fluoranthene	11.926	202	190770	2.04	ppb	96
82) Octadecane	9.974	57	99204	2.28	ppb	96
84) Pyrene	12.273	202	205466	2.06	ppb	98
86) Butylbenzylphthalate	13.402	149	104190	1.97	ppb	90
87) Butyl stearate	13.568	56	50933	2.02	ppb	90
88) Benzo[a]anthracene	14.194	228	176064	2.10	ppb	98
89) 3,3'-Dichlorobenzidine	14.199	252	53414	1.95	ppb	95
90) Chrysene	14.247	228	169624	2.07	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.365	149	140094	1.95	ppb	96
93) Di-n-octylphthalate	15.344	149	231948	1.92	ppb	98
94) Benzo[b]fluoranthene	15.798	252	156721	2.05	ppb	96
95) Benzo[k]fluoranthene	15.836	252	148790	2.02	ppb	96
96) Benzo[a]pyrene	16.242	252	134403	2.02	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.847	276	158877	2.00	ppb	93
98) Dibenz(a,h)acridine	17.499	279	124025	1.97	ppb	99
99) Dibenz[a,h]anthracene	17.884	278	128855	1.94	ppb	92
100) 7,12-Dimethylbenz(a)an...	15.793	256	27703	3.10	ppb	93
101) Benzo[g,h,i]perylene	18.285	276	126095	1.98	ppb	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64048.D
Acq On : 3 Jun 2014 3:11 pm
Operator : olgaa
Sample : ic2718-2
Misc : op75039,E2M2718,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 08:11:03 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:10:07 2014
QLast Update : Wed Jun 04 08:10:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64049.D
Acq On : 3 Jun 2014 3:37 pm
Operator : olgaa
Sample : ic2718-5
Misc : op75039,E2M2718,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 16:28:37 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:26:26 2014
QLast Update : Tue Jun 03 16:27:30 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	946309	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3867660	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	2146203	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	3252871	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	2829195	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2246033	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	946309	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	2146203	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	2829195	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	3252871	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3867660	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	194884	5.19	ppb	0.00
Spiked Amount 50.000			Recovery =	10.38%		
8) Phenol-d5	4.459	99	258258	5.46	ppb	0.00
Spiked Amount 50.000			Recovery =	10.92%		
25) Nitrobenzene-d5	5.138	82	236821	5.38	ppb	0.00
Spiked Amount 50.000			Recovery =	10.76%		
51) 2-Fluorobiphenyl	6.978	172	371520	5.42	ppb	0.00
Spiked Amount 50.000			Recovery =	10.84%		
73) 2,4,6-Tribromophenol	8.995	330	29035	4.80	ppb	0.00
Spiked Amount 50.000			Recovery =	9.60%		
85) Terphenyl-d14	12.578	244	305261	5.15	ppb	0.00
Spiked Amount 50.000			Recovery =	10.30%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.261	88	102992	5.58	ppb	95
3) Pyridine	2.592	79	267284	5.54	ppb	96
4) N-Nitrosodimethylamine	2.560	74	146050	5.46	ppb	94
6) Indene	4.898	116	413161	5.67	ppb	100
7) Cumene	4.101	105	618398	5.69	ppb	99
9) Phenol	4.464	94	323607	5.34	ppb	92
10) Aniline	4.454	93	330280	5.52	ppb	96
11) bis(2-Chloroethyl)ether	4.491	93	214796	5.32	ppb	99
12) 2-Chlorophenol	4.550	128	205454	5.39	ppb	97
13) Decane	4.571	43	161021	5.76	ppb	97
14) 1,3-Dichlorobenzene	4.652	146	225857	5.36	ppb	99
15) 1,4-Dichlorobenzene	4.705	146	227392	5.33	ppb	97
16) Benzyl alcohol	4.807	108	143643	5.61	ppb	98
17) 1,2-Dichlorobenzene	4.828	146	213762	5.41	ppb	96
18) Acetophenone	5.010	105	348826	5.60	ppb	99
19) 2-Methylphenol	4.914	108	204539	5.42	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.903	45	169896	5.56	ppb	96
21) 3&4-Methylphenol	5.037	108	212201	5.32	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64049.D
Acq On : 3 Jun 2014 3:37 pm
Operator : olgaa
Sample : ic2718-5
Misc : op75039,E2M2718,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 16:28:37 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:26:26 2014
QLast Update : Tue Jun 03 16:27:30 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.010	70	160858	5.71	ppb		97
23) Hexachloroethane	5.101	201	62066	5.31	ppb		94
26) Nitrobenzene	5.154	77	257285	5.36	ppb		97
27) Quinoline	6.144	129	444668	6.02	ppb		99
28) Isophorone	5.352	82	420719	5.30	ppb		99
29) 2-Nitrophenol	5.432	139	106329	5.36	ppb		92
30) 2,4-Dimethylphenol	5.481	107	167184	5.20	ppb		97
31) Benzoic acid	5.561	105	116006	5.13	ppb		99
32) bis(2-Chloroethoxy)met...	5.545	93	245547	5.44	ppb		98
33) 2,4-Dichlorophenol	5.673	162	155070	5.35	ppb		99
34) 2,6-Dichlorophenol	5.876	162	151576	5.32	ppb		96
35) 1,3,5-Trichlorobenzene	5.443	180	193152	5.78	ppb		98
36) 1,2,4-Trichlorobenzene	5.732	180	159794	5.43	ppb		99
37) 1,2,3-Trichlorobenzene	5.951	180	180277	5.52	ppb		98
38) Naphthalene	5.807	128	605442	5.38	ppb		100
39) 4-Chloroaniline	5.866	127	233849	5.50	ppb		99
40) 2,3-Dichloroaniline	6.882	161	215621	5.52	ppb		98
41) Caprolactam	6.197	55	76184	5.48	ppb		99
42) Hexachlorobutadiene	5.930	225	82117	5.24	ppb		99
43) 4-Chloro-3-methylphenol	6.406	107	183945	5.12	ppb		98
44) 2-Methylnaphthalene	6.540	141	334574	5.38	ppb		96
45) 1-Methylnaphthalene	6.657	142	443083	5.56	ppb		99
46) Dimethylnaphthalene	7.304	156	392750	5.59	ppb		99
48) Hexachlorocyclopentadiene	6.732	237	127031	10.35	ppb		98
49) 2,4,6-Trichlorophenol	6.893	196	92966	5.23	ppb		95
50) 2,4,5-Trichlorophenol	6.957	196	94519	5.14	ppb		99
52) 2-Chloronaphthalene	7.128	162	343867	5.32	ppb		98
53) Biphenyl	7.101	154	535392	5.67	ppb		99
54) 2-Nitroaniline	7.267	65	112716	5.16	ppb		98
55) Dimethylphthalate	7.508	163	377766	5.27	ppb		99
56) Acenaphthylene	7.663	152	577377	5.40	ppb		99
57) 2,6-Dinitrotoluene	7.588	165	84513	5.36	ppb		94
58) 3-Nitroaniline	7.818	138	105057	5.27	ppb		94
59) Acenaphthene	7.898	153	349069	5.31	ppb		99
60) 2,4-Dinitrophenol	7.973	184	52281	8.88	ppb		96
61) 4-Nitrophenol	8.144	109	56580	5.52	ppb	#	1
62) Dibenzofuran	8.144	168	480182	5.31	ppb		97
63) 2,4-Dinitrotoluene	8.150	165	116349	5.68	ppb		83
64) 2,3,4,6-Tetrachlorophenol	8.347	232	67911	5.25	ppb		98
65) Diethylphthalate	8.503	149	391511	5.30	ppb		98
66) Fluorene	8.631	166	387339	5.46	ppb		98
67) 4-Chlorophenyl-phenyle...	8.647	204	158906	5.48	ppb		98
68) 4-Nitroaniline	8.684	138	104851	5.48	ppb		92
70) 4,6-Dinitro-2-methylph...	8.743	198	46624	5.30	ppb		95
71) n-Nitrosodiphenylamine	8.829	169	259896	5.50	ppb		97
72) 1,2-Diphenylhydrazine	8.877	77	480874	5.51	ppb		98
74) 4-Bromophenyl-phenylether	9.369	248	77502	5.33	ppb		97
75) Hexachlorobenzene	9.460	284	78092	5.18	ppb		95
76) Pentachlorophenol	9.786	266	68087	9.65	ppb		98
77) Phenanthrene	10.064	178	541897	5.34	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64049.D
Acq On : 3 Jun 2014 3:37 pm
Operator : olgaa
Sample : ic2718-5
Misc : op75039,E2M2718,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 16:28:37 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:26:26 2014
QLast Update : Tue Jun 03 16:27:30 2014
Response via : Initial Calibration

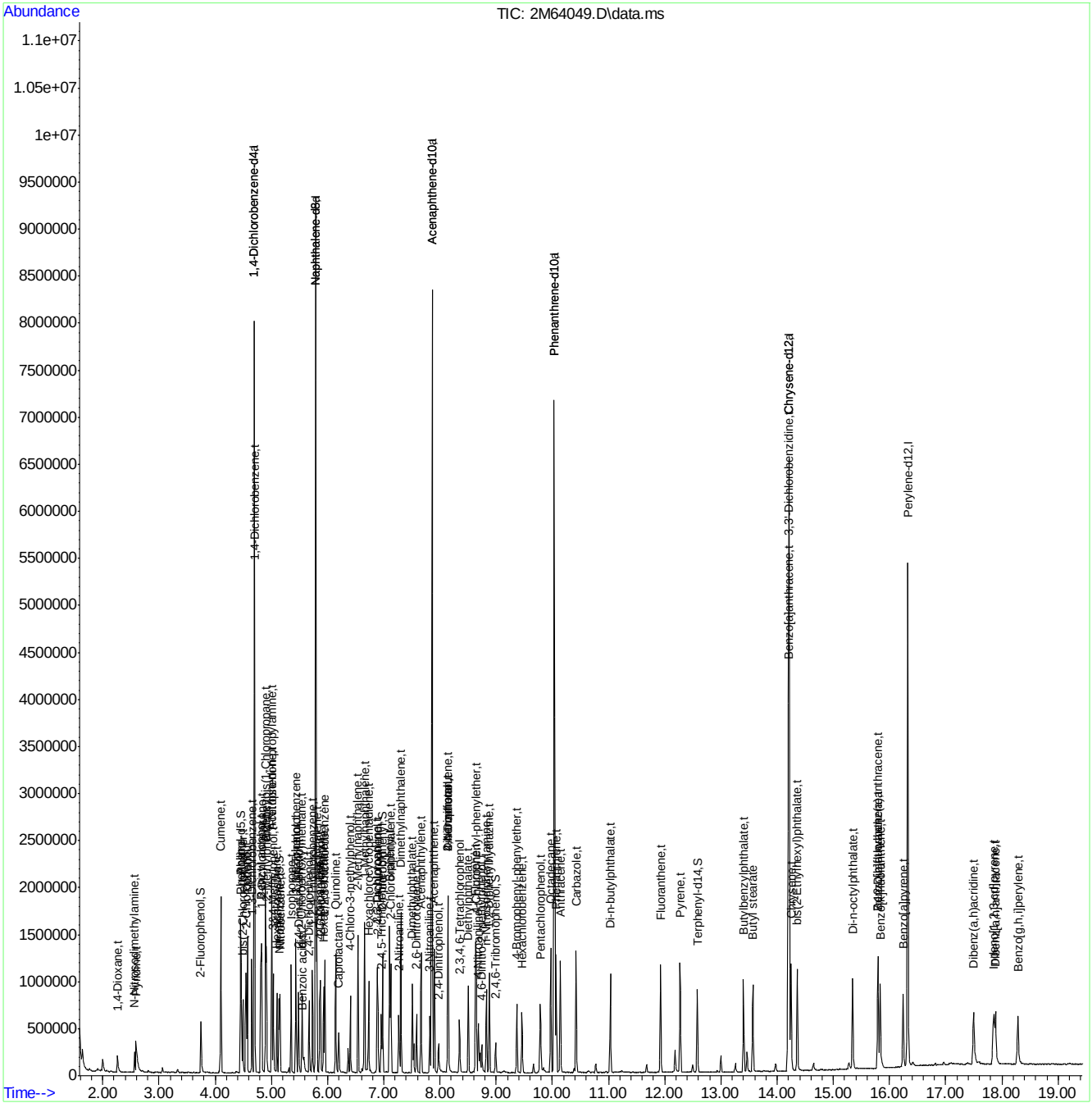
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.145	178	534361	5.40	ppb	99
79) Carbazole	10.423	167	615353	5.68	ppb	99
80) Di-n-butylphthalate	11.032	149	636894	5.34	ppb	99
81) Fluoranthene	11.926	202	506683	5.36	ppb	97
82) Octadecane	9.968	57	263350	6.05	ppb	95
84) Pyrene	12.273	202	529502	5.24	ppb	100
86) Butylbenzylphthalate	13.402	149	277415	5.22	ppb	94
87) Butyl stearate	13.568	56	137092	5.44	ppb	98
88) Benzo[a]anthracene	14.194	228	441642	5.09	ppb	99
89) 3,3'-Dichlorobenzidine	14.199	252	142918	5.21	ppb	98
90) Chrysene	14.247	228	427721	5.10	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.359	149	377672	5.25	ppb	98
93) Di-n-octylphthalate	15.343	149	631994	5.32	ppb	99
94) Benzo[b]fluoranthene	15.798	252	387111	4.98	ppb	97
95) Benzo[k]fluoranthene	15.836	252	392118	5.37	ppb	98
96) Benzo[a]pyrene	16.242	252	339687	5.03	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.852	276	402226	5.01	ppb	98
98) Dibenz(a,h)acridine	17.499	279	333716	5.33	ppb	99
99) Dibenz[a,h]anthracene	17.884	278	336542	5.02	ppb	99
100) 7,12-Dimethylbenz(a)an...	15.793	256	89770	3.70	ppb	97
101) Benzo[g,h,i]perylene	18.285	276	327996	5.16	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64049.D
Acq On : 3 Jun 2014 3:37 pm
Operator : olgaa
Sample : ic2718-5
Misc : op75039,E2M2718,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 16:28:37 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:26:26 2014
QLast Update : Tue Jun 03 16:27:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64050.D
Acq On : 3 Jun 2014 4:03 pm
Operator : olgaa
Sample : icc2718-50
Misc : op75039,E2M2718,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 16:31:02 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:29:03 2014
QLast Update : Tue Jun 03 16:30:41 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	672442	40.00	ppb	0.00
24) Naphthalene-d8	5.791	136	2731704	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1556097	40.00	ppb	0.00
69) Phenanthrene-d10	10.038	188	2337125	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	1973901	40.00	ppb	0.00
92) Perylene-d12	16.328	264	1637863	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	672442	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1556097	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	1973901	40.00	ppb	0.00
110) Phenanthrene-d10a	10.038	188	2337125	40.00	ppb	0.00
113) Naphthalene-d8a	5.791	136	2731704	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.742	112	1309070	48.68	ppb	0.00
Spiked Amount 50.000			Recovery = 97.36%			
8) Phenol-d5	4.459	99	1563774	45.72	ppb	0.00
Spiked Amount 50.000			Recovery = 91.44%			
25) Nitrobenzene-d5	5.138	82	1507890	47.80	ppb	0.00
Spiked Amount 50.000			Recovery = 95.60%			
51) 2-Fluorobiphenyl	6.984	172	2350387	46.51	ppb	0.00
Spiked Amount 50.000			Recovery = 93.02%			
73) 2,4,6-Tribromophenol	9.000	330	230120	53.36	ppb	0.00
Spiked Amount 50.000			Recovery = 106.72%			
85) Terphenyl-d14	12.584	244	2077771	49.96	ppb	0.00
Spiked Amount 50.000			Recovery = 99.92%			
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
112) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.255	88	596880	44.45	ppb	98
3) Pyridine	2.582	79	1552903	44.32	ppb	98
4) N-Nitrosodimethylamine	2.550	74	921354	47.63	ppb	99
6) Indene	4.898	116	2216253	41.67	ppb	99
7) Cumene	4.101	105	3381777	42.60	ppb	99
9) Phenol	4.470	94	1984717	45.48	ppb	94
10) Aniline	4.454	93	1876322	43.23	ppb	99
11) bis(2-Chloroethyl)ether	4.496	93	1345975	46.31	ppb	94
12) 2-Chlorophenol	4.550	128	1267731	46.05	ppb	98
13) Decane	4.571	43	821811	40.17	ppb	99
14) 1,3-Dichlorobenzene	4.652	146	1407173	46.35	ppb	99
15) 1,4-Dichlorobenzene	4.710	146	1421032	46.24	ppb	99
16) Benzyl alcohol	4.812	108	875460	46.94	ppb	93
17) 1,2-Dichlorobenzene	4.828	146	1312795	46.00	ppb	99
18) Acetophenone	5.010	105	1847462	40.75	ppb	99
19) 2-Methylphenol	4.919	108	1248097	45.79	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.903	45	963078	43.38	ppb	98
21) 3&4-Methylphenol	5.037	108	1360754	47.37	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64050.D
Acq On : 3 Jun 2014 4:03 pm
Operator : olgaa
Sample : icc2718-50
Misc : op75039,E2M2718,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 16:31:02 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:29:03 2014
QLast Update : Tue Jun 03 16:30:41 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.015	70	885275	43.00	ppb		98
23) Hexachloroethane	5.101	201	395376	47.04	ppb		100
26) Nitrobenzene	5.154	77	1626433	47.33	ppb		98
27) Quinoline	6.155	129	2581966	47.53	ppb		100
28) Isophorone	5.358	82	2716963	47.86	ppb		99
29) 2-Nitrophenol	5.432	139	676720	47.58	ppb		98
30) 2,4-Dimethylphenol	5.481	107	1307543	57.12	ppb		96
31) Benzoic acid	5.614	105	979830	60.99	ppb		99
32) bis(2-Chloroethoxy)met...	5.545	93	1531040	47.22	ppb		99
33) 2,4-Dichlorophenol	5.673	162	982948	47.37	ppb		98
34) 2,6-Dichlorophenol	5.882	162	956570	46.92	ppb		96
35) 1,3,5-Trichlorobenzene	5.443	180	1042399	42.81	ppb		99
36) 1,2,4-Trichlorobenzene	5.732	180	1002365	47.43	ppb		100
37) 1,2,3-Trichlorobenzene	5.957	180	1009279	42.86	ppb		99
38) Naphthalene	5.807	128	3736019	46.32	ppb		99
39) 4-Chloroaniline	5.866	127	1466095	47.86	ppb		99
40) 2,3-Dichloroaniline	6.882	161	1205016	42.77	ppb		100
41) Caprolactam	6.240	55	455923	45.57	ppb		96
42) Hexachlorobutadiene	5.935	225	521193	46.67	ppb		98
43) 4-Chloro-3-methylphenol	6.411	107	1220279	47.85	ppb	#	69
44) 2-Methylnaphthalene	6.545	141	2104801	47.21	ppb		97
45) 1-Methylnaphthalene	6.657	142	2435087	42.30	ppb		99
46) Dimethylnaphthalene	7.310	156	2185517	43.03	ppb		98
48) Hexachlorocyclopentadiene	6.732	237	1043630	116.49	ppb		99
49) 2,4,6-Trichlorophenol	6.898	196	621504	47.76	ppb		99
50) 2,4,5-Trichlorophenol	6.957	196	654607	48.80	ppb		97
52) 2-Chloronaphthalene	7.133	162	2234435	47.07	ppb		99
53) Biphenyl	7.107	154	2973193	42.29	ppb		99
54) 2-Nitroaniline	7.278	65	783049	49.12	ppb		98
55) Dimethylphthalate	7.513	163	2413369	45.92	ppb		100
56) Acenaphthylene	7.668	152	3734439	47.40	ppb		99
57) 2,6-Dinitrotoluene	7.593	165	585134	50.42	ppb		96
58) 3-Nitroaniline	7.829	138	715987	48.98	ppb		97
59) Acenaphthene	7.904	153	2240631	46.44	ppb		99
60) 2,4-Dinitrophenol	7.978	184	645062	154.54	ppb	#	74
61) 4-Nitrophenol	8.144	109	394653	52.06	ppb	#	1
62) Dibenzofuran	8.144	168	2919990	43.99	ppb		99
63) 2,4-Dinitrotoluene	8.155	165	771053	50.55	ppb		91
64) 2,3,4,6-Tetrachlorophenol	8.347	232	493174	52.10	ppb		99
65) Diethylphthalate	8.513	149	2516008	46.40	ppb		99
66) Fluorene	8.636	166	2423329	46.24	ppb		100
67) 4-Chlorophenyl-phenyle...	8.647	204	994859	46.42	ppb		100
68) 4-Nitroaniline	8.706	138	731071	51.71	ppb		98
70) 4,6-Dinitro-2-methylph...	8.754	198	431095	67.41	ppb		97
71) n-Nitrosodiphenylamine	8.834	169	1657425	47.88	ppb		100
72) 1,2-Diphenylhydrazine	8.882	77	3180923	49.74	ppb		98
74) 4-Bromophenyl-phenylether	9.374	248	503463	47.54	ppb		99
75) Hexachlorobenzene	9.465	284	532604	48.82	ppb		99
76) Pentachlorophenol	9.792	266	634974	126.11	ppb		98
77) Phenanthrene	10.070	178	3414321	46.23	ppb		99

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64050.D
Acq On : 3 Jun 2014 4:03 pm
Operator : olgaa
Sample : icc2718-50
Misc : op75039,E2M2718,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 16:31:02 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:29:03 2014
QLast Update : Tue Jun 03 16:30:41 2014
Response via : Initial Calibration

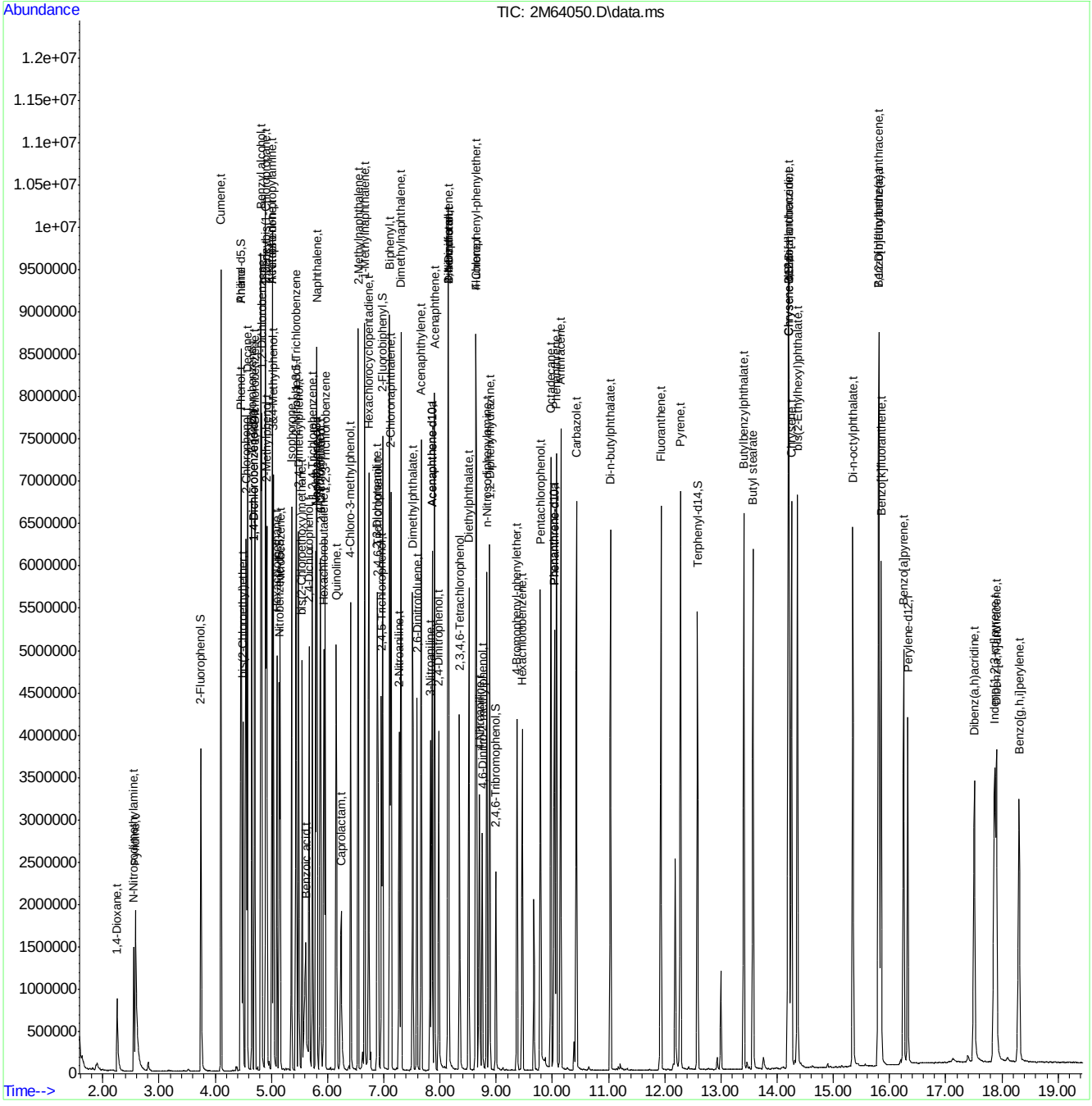
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.150	178	3517928	48.71	ppb	99
79) Carbazole	10.428	167	3480971	43.56	ppb	100
80) Di-n-butylphthalate	11.038	149	4292313	49.42	ppb	99
81) Fluoranthene	11.931	202	3329048	48.35	ppb	99
82) Octadecane	9.973	57	1425232	43.75	ppb	99
84) Pyrene	12.279	202	3523973	49.52	ppb	99
86) Butylbenzylphthalate	13.407	149	1893050	50.59	ppb	98
87) Butyl stearate	13.573	56	937037	52.39	ppb	93
88) Benzo[a]anthracene	14.199	228	2880964	47.44	ppb	99
89) 3,3'-Dichlorobenzidine	14.204	252	1004204	52.05	ppb	98
90) Chrysene	14.258	228	2840884	48.34	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.365	149	2580180	50.92	ppb	98
93) Di-n-octylphthalate	15.349	149	4471201	50.97	ppb	99
94) Benzo[b]fluoranthene	15.814	252	2685343	47.41	ppb	97
95) Benzo[k]fluoranthene	15.852	252	2644103	48.95	ppb	99
96) Benzo[a]pyrene	16.253	252	2395579	48.62	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.868	276	2869312	49.03	ppb	95
98) Dibenz(a,h)acridine	17.510	279	2087099	45.13	ppb	98
99) Dibenz[a,h]anthracene	17.900	278	2404215	49.12	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.809	256	1244069	74.21	ppb	98
101) Benzo[g,h,i]perylene	18.307	276	2333539	50.01	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64050.D
Acq On : 3 Jun 2014 4:03 pm
Operator : olgaa
Sample : icc2718-50
Misc : op75039,E2M2718,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 16:31:02 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:29:03 2014
QLast Update : Tue Jun 03 16:30:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64051.D
Acq On : 3 Jun 2014 4:30 pm
Operator : olgaa
Sample : ic2718-10
Misc : op75039,E2M2718,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 17:00:38 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:41:14 2014
QLast Update : Tue Jun 03 16:41:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	869609	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3519842	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1972643	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	3031307	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	2652696	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2064911	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	869609	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1972643	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	2652696	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	3031307	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3519842	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.742	112	347688	10.04	ppb	0.00
Spiked Amount 50.000			Recovery = 20.08%			
8) Phenol-d5	4.454	99	448183	10.28	ppb	0.00
Spiked Amount 50.000			Recovery = 20.56%			
25) Nitrobenzene-d5	5.138	82	411488	10.20	ppb	0.00
Spiked Amount 50.000			Recovery = 20.40%			
51) 2-Fluorobiphenyl	6.978	172	648259	10.24	ppb	0.00
Spiked Amount 50.000			Recovery = 20.48%			
73) 2,4,6-Tribromophenol	8.995	330	55670	9.84	ppb	0.00
Spiked Amount 50.000			Recovery = 19.68%			
85) Terphenyl-d14	12.578	244	545316	9.76	ppb	0.00
Spiked Amount 50.000			Recovery = 19.52%			
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.261	88	186172	10.92	ppb	99
3) Pyridine	2.587	79	458349	10.31	ppb	99
4) N-Nitrosodimethylamine	2.555	74	254316	10.25	ppb	99
6) Indene	4.898	116	723785	10.82	ppb	99
7) Cumene	4.101	105	1076474	10.75	ppb	98
9) Phenol	4.464	94	560421	10.08	ppb	89
10) Aniline	4.454	93	548009	9.99	ppb	98
11) bis(2-Chloroethyl)ether	4.491	93	380643	10.25	ppb	96
12) 2-Chlorophenol	4.550	128	363033	10.33	ppb	100
13) Decane	4.571	43	275586	10.77	ppb	96
14) 1,3-Dichlorobenzene	4.651	146	390623	10.07	ppb	98
15) 1,4-Dichlorobenzene	4.710	146	394067	10.04	ppb	100
16) Benzyl alcohol	4.807	108	250523	10.49	ppb	97
17) 1,2-Dichlorobenzene	4.828	146	371764	10.21	ppb	99
18) Acetophenone	5.010	105	610459	10.74	ppb	99
19) 2-Methylphenol	4.914	108	356483	10.26	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.903	45	291625	10.39	ppb	97
21) 3&4-Methylphenol	5.037	108	375863	10.21	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64051.D
Acq On : 3 Jun 2014 4:30 pm
Operator : olgaa
Sample : ic2718-10
Misc : op75039,E2M2718,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 17:00:38 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:41:14 2014
QLast Update : Tue Jun 03 16:41:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.010	70	274656	10.56	ppb		97
23) Hexachloroethane	5.101	201	108980	10.13	ppb		96
26) Nitrobenzene	5.154	77	447161	10.19	ppb		95
27) Quinoline	6.144	129	782800	10.48	ppb		99
28) Isophorone	5.352	82	755317	10.40	ppb		99
29) 2-Nitrophenol	5.432	139	189478	10.42	ppb		92
30) 2,4-Dimethylphenol	5.481	107	310011	10.27	ppb		94
31) Benzoic acid	5.571	105	243808	11.36	ppb		97
32) bis(2-Chloroethoxy)met...	5.545	93	421007	10.17	ppb		98
33) 2,4-Dichlorophenol	5.668	162	270667	10.21	ppb		97
34) 2,6-Dichlorophenol	5.876	162	263931	10.15	ppb		98
35) 1,3,5-Trichlorobenzene	5.443	180	334841	10.94	ppb		99
36) 1,2,4-Trichlorobenzene	5.732	180	275777	10.22	ppb		98
37) 1,2,3-Trichlorobenzene	5.951	180	312281	10.54	ppb		98
38) Naphthalene	5.807	128	1056758	10.29	ppb		99
39) 4-Chloroaniline	5.866	127	410351	10.47	ppb		97
40) 2,3-Dichloroaniline	6.882	161	374847	10.58	ppb		98
41) Caprolactam	6.208	55	137862	10.85	ppb		98
42) Hexachlorobutadiene	5.930	225	142562	10.02	ppb		98
43) 4-Chloro-3-methylphenol	6.406	107	331989	10.18	ppb	#	64
44) 2-Methylnaphthalene	6.540	141	585476	10.29	ppb		99
45) 1-Methylnaphthalene	6.657	142	765819	10.60	ppb		99
46) Dimethylnaphthalene	7.304	156	681836	10.67	ppb		98
48) Hexachlorocyclopentadiene	6.732	237	253655	21.74	ppb		99
49) 2,4,6-Trichlorophenol	6.893	196	165683	10.12	ppb		99
50) 2,4,5-Trichlorophenol	6.951	196	177975	10.51	ppb		98
52) 2-Chloronaphthalene	7.128	162	607488	10.19	ppb		100
53) Biphenyl	7.106	154	932781	10.74	ppb		99
54) 2-Nitroaniline	7.267	65	207083	10.28	ppb		92
55) Dimethylphthalate	7.508	163	662098	10.07	ppb		99
56) Acenaphthylene	7.663	152	1017609	10.28	ppb		98
57) 2,6-Dinitrotoluene	7.588	165	150900	10.24	ppb		96
58) 3-Nitroaniline	7.818	138	193763	10.49	ppb		99
59) Acenaphthene	7.903	153	622761	10.30	ppb		99
60) 2,4-Dinitrophenol	7.973	184	125318	21.71	ppb	#	78
61) 4-Nitrophenol	8.144	109	103384	10.68	ppb		90
62) Dibenzofuran	8.144	168	837373	10.15	ppb		99
63) 2,4-Dinitrotoluene	8.149	165	208578	10.77	ppb		91
64) 2,3,4,6-Tetrachlorophenol	8.347	232	125499	10.39	ppb		99
65) Diethylphthalate	8.508	149	689501	10.15	ppb		99
66) Fluorene	8.631	166	694896	10.59	ppb		100
67) 4-Chlorophenyl-phenyle...	8.647	204	276975	10.32	ppb		99
68) 4-Nitroaniline	8.690	138	190374	10.56	ppb		100
70) 4,6-Dinitro-2-methylph...	8.743	198	98887	11.27	ppb		97
71) n-Nitrosodiphenylamine	8.829	169	461017	10.34	ppb		98
72) 1,2-Diphenylhydrazine	8.877	77	870025	10.50	ppb		99
74) 4-Bromophenyl-phenylether	9.369	248	135504	9.95	ppb		96
75) Hexachlorobenzene	9.460	284	139725	9.91	ppb		93
76) Pentachlorophenol	9.786	266	139396	20.45	ppb		95
77) Phenanthrene	10.064	178	951437	10.06	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64051.D
Acq On : 3 Jun 2014 4:30 pm
Operator : olgaa
Sample : ic2718-10
Misc : op75039,E2M2718,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 17:00:38 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:41:14 2014
QLast Update : Tue Jun 03 16:41:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.145	178	957088	10.26	ppb	99
79) Carbazole	10.423	167	1089187	10.74	ppb	99
80) Di-n-butylphthalate	11.032	149	1157172	10.29	ppb	99
81) Fluoranthene	11.926	202	908151	10.22	ppb	98
82) Octadecane	9.973	57	463047	11.19	ppb	99
84) Pyrene	12.273	202	958491	10.04	ppb	100
86) Butylbenzylphthalate	13.402	149	508074	10.08	ppb	99
87) Butyl stearate	13.568	56	254331	10.50	ppb	95
88) Benzo[a]anthracene	14.193	228	788771	9.75	ppb	99
89) 3,3'-Dichlorobenzidine	14.199	252	260009	9.96	ppb	97
90) Chrysene	14.247	228	766799	9.76	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.359	149	705380	10.33	ppb	98
93) Di-n-octylphthalate	15.343	149	1177769	10.62	ppb	99
94) Benzo[b]fluoranthene	15.798	252	716014	10.11	ppb	97
95) Benzo[k]fluoranthene	15.841	252	706881	10.42	ppb	99
96) Benzo[a]pyrene	16.242	252	620228	10.03	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.852	276	740637	10.07	ppb	94
98) Dibenz(a,h)acridine	17.499	279	612806	10.68	ppb	99
99) Dibenz[a,h]anthracene	17.889	278	605904	9.85	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.798	256	218891	9.58	ppb	99
101) Benzo[g,h,i]perylene	18.285	276	604097	10.27	ppb	98

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

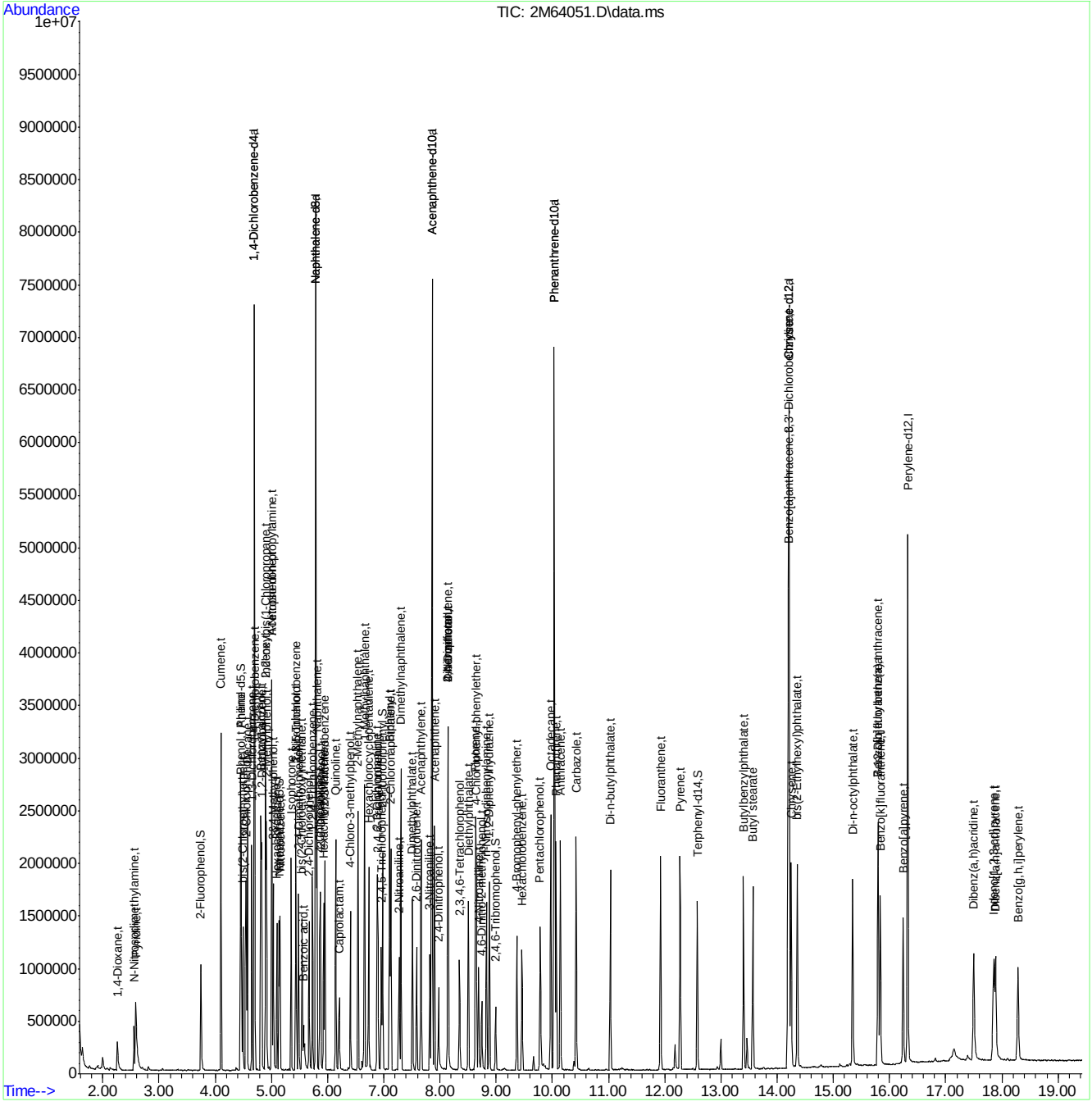
9.6.7

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64051.D
Acq On : 3 Jun 2014 4:30 pm
Operator : olgaa
Sample : ic2718-10
Misc : op75039,E2M2718,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 17:00:38 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue Jun 03 16:41:14 2014
QLast Update : Tue Jun 03 16:41:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64052.D
Acq On : 3 Jun 2014 4:56 pm
Operator : olgaa
Sample : ic2718-80
Misc : op75039,E2M2718,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 08:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:06:38 2014
QLast Update : Wed Jun 04 08:06:56 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.700	152	860004	40.00	ppb	0.00
24) Naphthalene-d8	5.791	136	3592160	40.00	ppb	0.00
47) Acenaphthene-d10	7.866	164	2046280	40.00	ppb	0.00
69) Phenanthrene-d10	10.038	188	3157068	40.00	ppb	0.00
83) Chrysene-d12	14.226	240	2635270	40.00	ppb	0.00
92) Perylene-d12	16.333	264	2140768	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.700	152	860004	40.00	ppb	0.00
104) Acenaphthene-d10a	7.866	164	2046280	40.00	ppb	0.00
107) Chrysene-d12a	14.226	240	2635270	40.00	ppb	0.00
110) Phenanthrene-d10a	10.038	188	3157068	40.00	ppb	0.00
113) Naphthalene-d8a	5.791	136	3592160	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	2590685	76.13	ppb	0.00
Spiked Amount 50.000			Recovery =	152.26%		
8) Phenol-d5	4.464	99	2887356	68.11	ppb	0.00
Spiked Amount 50.000			Recovery =	136.22%		
25) Nitrobenzene-d5	5.144	82	2989143	73.26	ppb	0.00
Spiked Amount 50.000			Recovery =	146.52%		
51) 2-Fluorobiphenyl	6.989	172	4650461	71.62	ppb	0.00
Spiked Amount 50.000			Recovery =	143.24%		
73) 2,4,6-Tribromophenol	9.005	330	500891	84.53	ppb	0.00
Spiked Amount 50.000			Recovery =	169.06%		
85) Terphenyl-d14	12.589	244	4354220	78.86	ppb	0.00
Spiked Amount 50.000			Recovery =	157.72%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.250	88	1337420	78.52	ppb	100
3) Pyridine	2.576	79	3533956	80.03	ppb	100
4) N-Nitrosodimethylamine	2.550	74	1874396	76.56	ppb	100
6) Indene	4.898	116	4543934	69.22	ppb	100
7) Cumene	4.101	105	7073964	71.72	ppb	100
9) Phenol	4.475	94	3709585	68.76	ppb	100
10) Aniline	4.454	93	3184317	60.72	ppb	100
11) bis(2-Chloroethyl)ether	4.496	93	2682843	73.64	ppb	100
12) 2-Chlorophenol	4.555	128	2417178	70.43	ppb	100
13) Decane	4.571	43	1676007	67.02	ppb	100
14) 1,3-Dichlorobenzene	4.657	146	2700232	71.41	ppb	100
15) 1,4-Dichlorobenzene	4.710	146	2672094	70.03	ppb	100
16) Benzyl alcohol	4.817	108	1558650	67.07	ppb	100
17) 1,2-Dichlorobenzene	4.833	146	2421592	68.43	ppb	100
18) Acetophenone	5.015	105	3925931	70.32	ppb	100
19) 2-Methylphenol	4.919	108	2513044	73.67	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.908	45	1787983	65.68	ppb	100
21) 3&4-Methylphenol	5.042	108	2707776	74.82	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64052.D
Acq On : 3 Jun 2014 4:56 pm
Operator : olgaa
Sample : ic2718-80
Misc : op75039,E2M2718,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 08:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:06:38 2014
QLast Update : Wed Jun 04 08:06:56 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.026	70	1624016	64.39	ppb	100
23) Hexachloroethane	5.101	201	780945	74.03	ppb	100
26) Nitrobenzene	5.160	77	3113613	70.51	ppb	100
27) Quinoline	6.181	129	6004183	78.46	ppb	100
28) Isophorone	5.368	82	5266194	71.69	ppb	100
29) 2-Nitrophenol	5.438	139	1283160	69.98	ppb	100
30) 2,4-Dimethylphenol	5.491	107	2596131	83.42	ppb	100
31) Benzoic acid	5.657	105	2098356	91.98	ppb	100
32) bis(2-Chloroethoxy)met...	5.550	93	3029824	72.51	ppb	100
33) 2,4-Dichlorophenol	5.673	162	1950454	72.82	ppb	100
34) 2,6-Dichlorophenol	5.887	162	1842840	70.48	ppb	100
35) 1,3,5-Trichlorobenzene	5.449	180	2183587	70.17	ppb	100
36) 1,2,4-Trichlorobenzene	5.737	180	1966936	72.17	ppb	100
37) 1,2,3-Trichlorobenzene	5.962	180	2221083	73.72	ppb	100
38) Naphthalene	5.812	128	7243370	70.07	ppb	100
39) 4-Chloroaniline	5.876	127	2708527	68.64	ppb	100
40) 2,3-Dichloroaniline	6.887	161	2660310	73.78	ppb	100
41) Caprolactam	6.267	55	1063480	80.92	ppb	100
42) Hexachlorobutadiene	5.935	225	1037939	72.42	ppb	100
43) 4-Chloro-3-methylphenol	6.422	107	2469055	84.52	ppb	100
44) 2-Methylnaphthalene	6.550	141	4040323	70.46	ppb	100
45) 1-Methylnaphthalene	6.663	142	5226823	71.35	ppb	100
46) Dimethylnaphthalene	7.315	156	4750870	73.03	ppb	100
48) Hexachlorocyclopentadiene	6.738	237	2255001	180.62	ppb	100
49) 2,4,6-Trichlorophenol	6.903	196	1270729	75.32	ppb	100
50) 2,4,5-Trichlorophenol	6.968	196	1364068	77.44	ppb	100
52) 2-Chloronaphthalene	7.139	162	4381537	71.73	ppb	100
53) Biphenyl	7.117	154	6439943	71.79	ppb	100
54) 2-Nitroaniline	7.288	65	1615053	77.33	ppb	100
55) Dimethylphthalate	7.524	163	4998229	74.02	ppb	100
56) Acenaphthylene	7.674	152	7437970	73.04	ppb	100
57) 2,6-Dinitrotoluene	7.604	165	1196147	78.25	ppb	100
58) 3-Nitroaniline	7.839	138	1464682	76.41	ppb	100
59) Acenaphthene	7.914	153	4422249	71.32	ppb	100
60) 2,4-Dinitrophenol	7.994	184	1474514	228.42	ppb	100
61) 4-Nitrophenol	8.160	109	763594	75.89	ppb	100
62) Dibenzofuran	8.155	168	5618296	67.05	ppb	100
63) 2,4-Dinitrotoluene	8.166	165	1525520	75.67	ppb	100
64) 2,3,4,6-Tetrachlorophenol	8.358	232	1051562	82.99	ppb	100
65) Diethylphthalate	8.524	149	5099025	73.11	ppb	100
66) Fluorene	8.642	166	4650227	69.08	ppb	100
67) 4-Chlorophenyl-phenyle...	8.652	204	1967534	71.41	ppb	100
68) 4-Nitroaniline	8.727	138	1489844	79.16	ppb	100
70) 4,6-Dinitro-2-methylph...	8.770	198	954575	99.09	ppb	100
71) n-Nitrosodiphenylamine	8.845	169	3437496	74.41	ppb	100
72) 1,2-Diphenylhydrazine	8.893	77	6138164	71.66	ppb	100
74) 4-Bromophenyl-phenylether	9.380	248	1071842	76.13	ppb	100
75) Hexachlorobenzene	9.471	284	1149698	78.61	ppb	100
76) Pentachlorophenol	9.797	266	1433820	195.06	ppb	100
77) Phenanthrene	10.080	178	6827235	70.43	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64052.D
Acq On : 3 Jun 2014 4:56 pm
Operator : olgaa
Sample : ic2718-80
Misc : op75039,E2M2718,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 08:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:06:38 2014
QLast Update : Wed Jun 04 08:06:56 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.161	178	7009424	72.81	ppb	100
79) Carbazole	10.439	167	7903524	74.74	ppb	100
80) Di-n-butylphthalate	11.043	149	8630154	74.16	ppb	100
81) Fluoranthene	11.942	202	6805540	74.11	ppb	100
82) Octadecane	9.979	57	2872079	67.05	ppb	100
84) Pyrene	12.289	202	7126508	75.67	ppb	100
86) Butylbenzylphthalate	13.413	149	3823004	76.73	ppb	100
87) Butyl stearate	13.578	56	1701215	71.27	ppb	100
88) Benzo[a]anthracene	14.204	228	5873378	74.10	ppb	100
89) 3,3'-Dichlorobenzidine	14.215	252	2030480	78.55	ppb	100
90) Chrysene	14.268	228	5955056	76.99	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.370	149	5199583	76.72	ppb	100
93) Di-n-octylphthalate	15.354	149	9172748	79.17	ppb	100
94) Benzo[b]fluoranthene	15.836	252	5810857	79.16	ppb	100
95) Benzo[k]fluoranthene	15.868	252	5555553	78.68	ppb	100
96) Benzo[a]pyrene	16.263	252	5065204	79.08	ppb	100
97) Indeno[1,2,3-cd]pyrene	17.889	276	6078718	79.69	ppb	100
98) Dibenz(a,h)acridine	17.531	279	5058297	83.68	ppb	100
99) Dibenz[a,h]anthracene	17.922	278	5156682	80.89	ppb	100
100) 7,12-Dimethylbenz(a)an...	15.825	256	3003171	118.76	ppb	100
101) Benzo[g,h,i]perylene	18.333	276	4905126	80.10	ppb	100

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

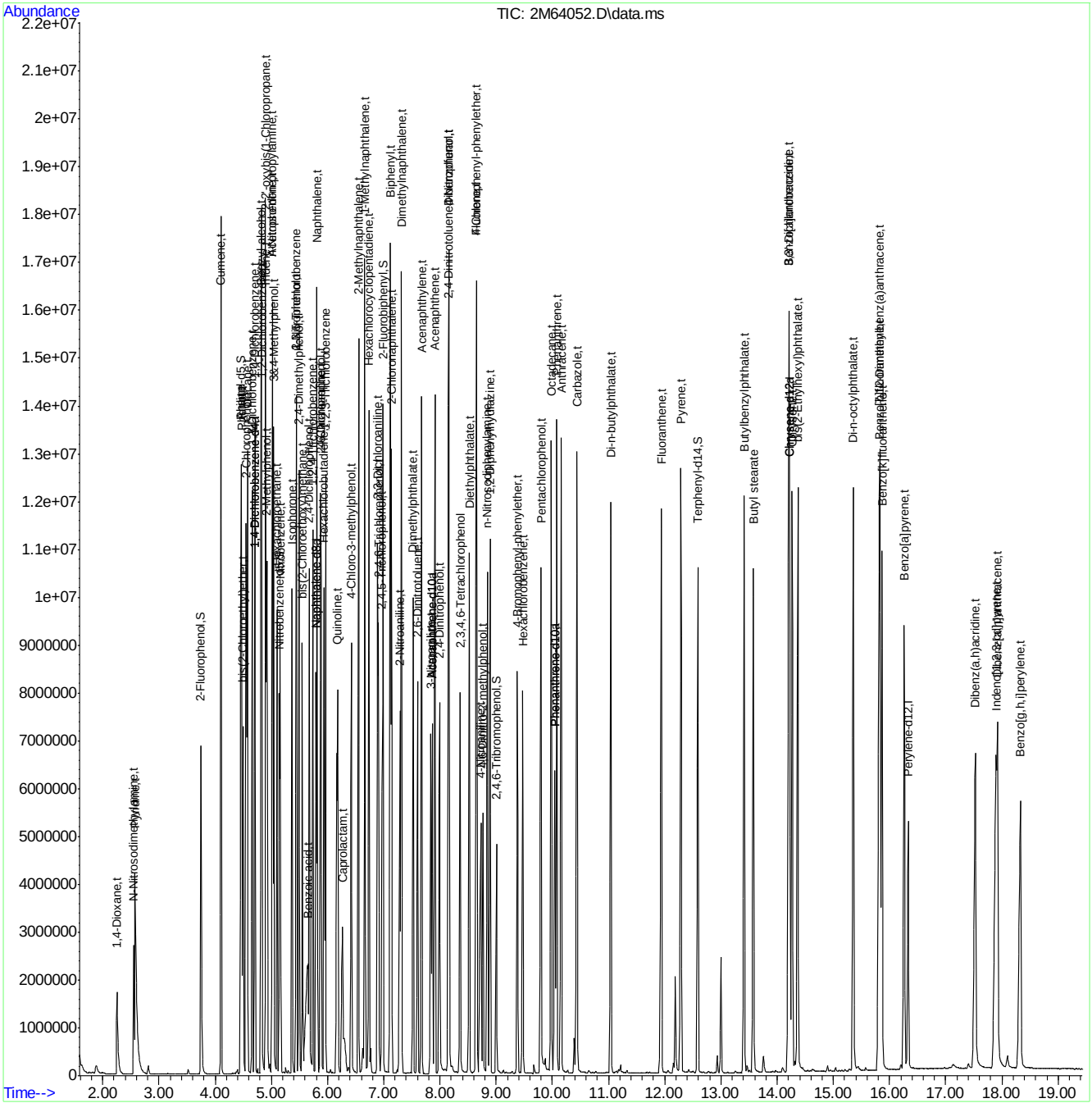
9.6.8

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64052.D
Acq On : 3 Jun 2014 4:56 pm
Operator : olgaa
Sample : ic2718-80
Misc : op75039,E2M2718,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 08:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:06:38 2014
QLast Update : Wed Jun 04 08:06:56 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64053.D
Acq On : 3 Jun 2014 5:23 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:44:41 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	710012	40.00	ppb		0.00
24) Naphthalene-d8	5.785	136	2844288	40.00	ppb		0.00
47) Acenaphthene-d10	7.855	164	1586148	40.00	ppb		0.00
69) Phenanthrene-d10	10.032	188	2384119	40.00	ppb		0.00
83) Chrysene-d12	14.210	240	2000162	40.00	ppb		0.00
92) Perylene-d12	16.322	264	1573433	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	710012	40.00	ppb		0.00
104) Acenaphthene-d10a	7.855	164	1586148	40.00	ppb		0.00
107) Chrysene-d12a	14.210	240	2000162	40.00	ppb		0.00
110) Phenanthrene-d10a	10.032	188	2384119	40.00	ppb		0.00
113) Naphthalene-d8a	5.785	136	2844288	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
112) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.464	94	1907332	42.82	ppb		97
12) 2-Chlorophenol	4.550	128	1315997	46.44	ppb		96
19) 2-Methylphenol	4.914	108	1317736	46.79	ppb		100
21) 3&4-Methylphenol	5.037	108	1374120	45.99	ppb		99
29) 2-Nitrophenol	5.432	139	728277	50.16	ppb		79
30) 2,4-Dimethylphenol	5.481	107	1427172	57.91	ppb		97
31) Benzoic acid	5.614	105	1012498	56.05	ppb		96
33) 2,4-Dichlorophenol	5.668	162	1018017	48.00	ppb		99
34) 2,6-Dichlorophenol	5.876	162	1007737	48.68	ppb		97
43) 4-Chloro-3-methylphenol	6.401	107	1232513	47.08	ppb		98
49) 2,4,6-Trichlorophenol	6.893	196	632693	48.38	ppb		98
50) 2,4,5-Trichlorophenol	6.951	196	677747	49.64	ppb		97
60) 2,4-Dinitrophenol	7.973	184	257478	40.96	ppb		80
61) 4-Nitrophenol	8.139	109	395461	50.71	ppb	#	9
64) 2,3,4,6-Tetrachlorophenol	8.347	232	469666	47.82	ppb		95
70) 4,6-Dinitro-2-methylph...	8.743	198	391541	50.46	ppb		87
76) Pentachlorophenol	9.786	266	291984	50.20	ppb		99

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64053.D
Acq On : 3 Jun 2014 5:23 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:44:41 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

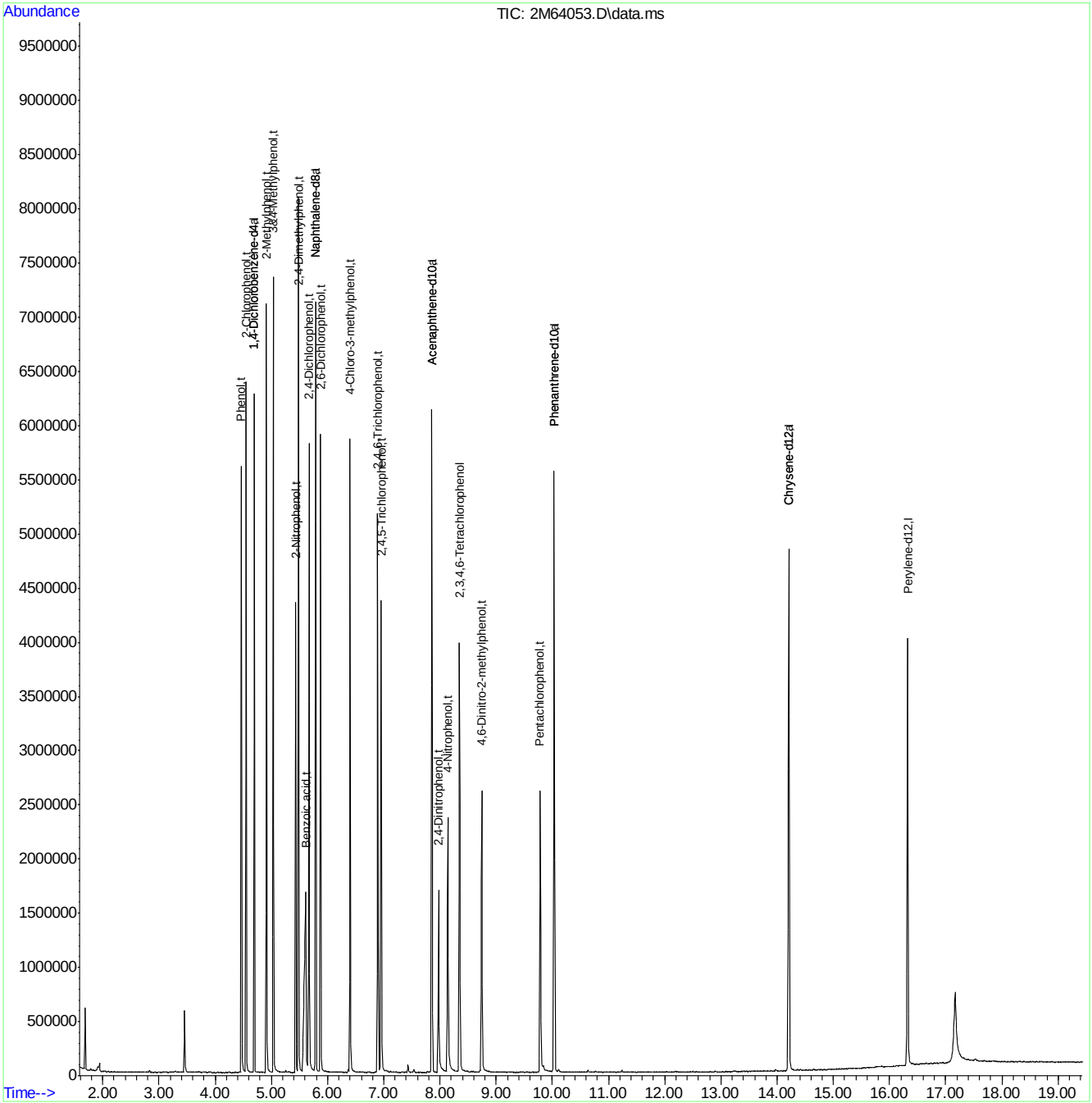
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64053.D
Acq On : 3 Jun 2014 5:23 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:44:41 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration



M2M2718.M Wed Jun 04 12:44:45 2014 MS2M Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64054.D
Acq On : 3 Jun 2014 5:49 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 12:53:37 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	796557	40.00	ppb	0.00
24) Naphthalene-d8	5.786	136	3254824	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1801551	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2660037	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	2116666	40.00	ppb	0.00
92) Perylene-d12	16.328	264	1683558	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	796557	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1801551	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	2116666	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2660037	40.00	ppb	0.00
113) Naphthalene-d8a	5.786	136	3254824	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.592	79	1825053	44.62	ppb	99
4) N-Nitrosodimethylamine	2.566	74	1046056	46.13	ppb	100
11) bis(2-Chloroethyl)ether	4.491	93	1588335	47.07	ppb	96
14) 1,3-Dichlorobenzene	4.652	146	1516417	43.29	ppb	99
15) 1,4-Dichlorobenzene	4.710	146	1534191	43.41	ppb	99
16) Benzyl alcohol	4.812	108	1058039	49.15	ppb	94
17) 1,2-Dichlorobenzene	4.828	146	1456665	44.44	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.903	45	1194875	47.39	ppb	96
22) n-Nitroso-di-n-propyla...	5.010	70	1116111	47.78	ppb	97
23) Hexachloroethane	5.101	201	441636	45.20	ppb	96
26) Nitrobenzene	5.154	77	1733375	43.32	ppb	99
28) Isophorone	5.352	82	2924202	43.93	ppb	98
32) bis(2-Chloroethoxy)met...	5.545	93	1818274	48.03	ppb	100
36) 1,2,4-Trichlorobenzene	5.732	180	1092924	44.26	ppb	99
38) Naphthalene	5.807	128	4130624	44.10	ppb	100
42) Hexachlorobutadiene	5.930	225	568279	43.76	ppb	100
44) 2-Methylnaphthalene	6.545	141	2250252	43.31	ppb	98
48) Hexachlorocyclopentadiene	6.732	237	489665	44.55	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64054.D
Acq On : 3 Jun 2014 5:49 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 12:53:37 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

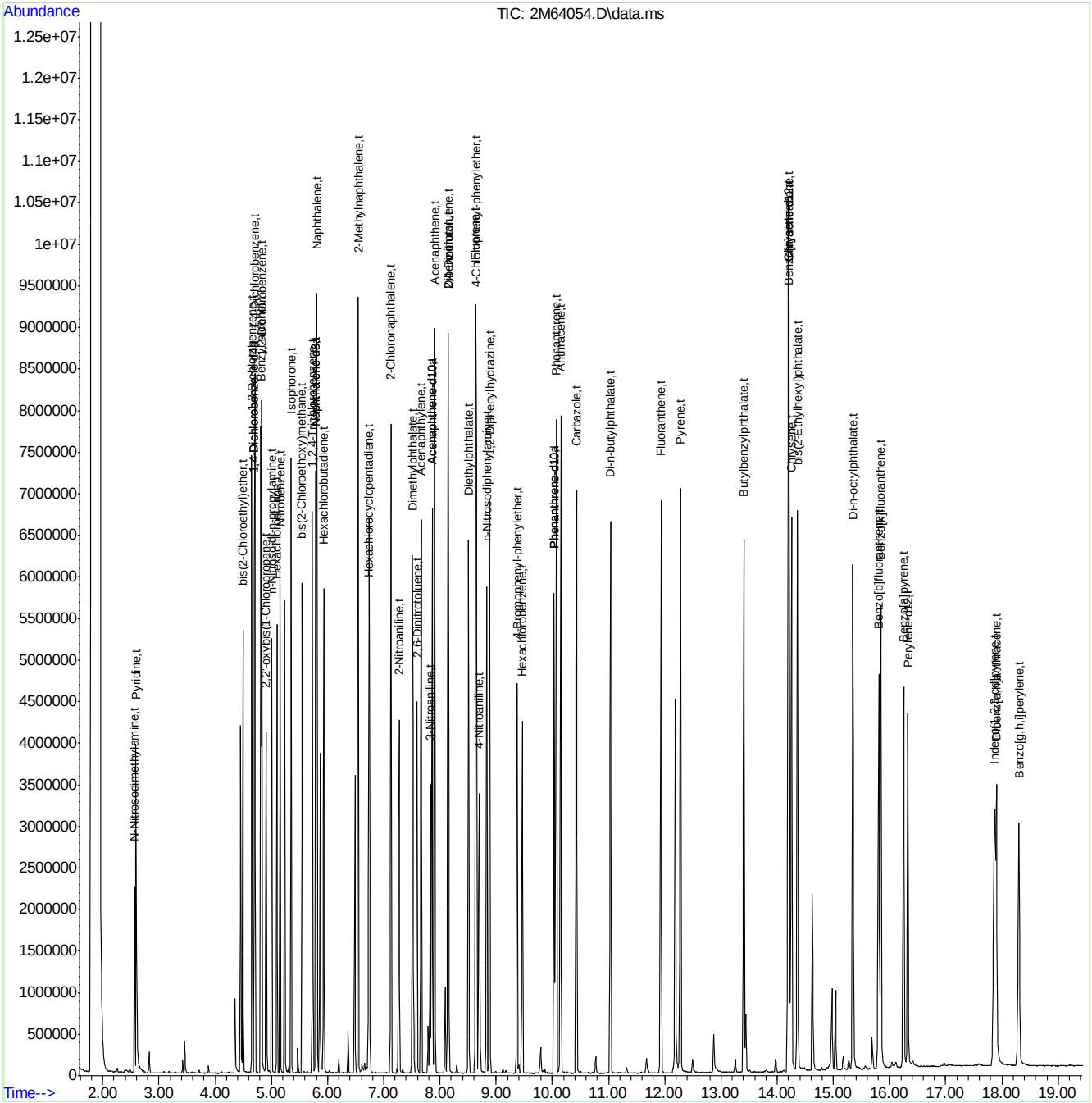
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) 2-Chloronaphthalene	7.128	162	2333588	43.39	ppb	99
54) 2-Nitroaniline	7.272	65	820560	44.63	ppb	96
55) Dimethylphthalate	7.513	163	2667735	44.87	ppb	99
56) Acenaphthylene	7.668	152	3492019	38.95	ppb	100
57) 2,6-Dinitrotoluene	7.593	165	601625	44.70	ppb	99
58) 3-Nitroaniline	7.829	138	658960	39.05	ppb	99
59) Acenaphthene	7.904	153	2482472	45.47	ppb	100
62) Dibenzofuran	8.144	168	3255564	44.13	ppb	86
63) 2,4-Dinitrotoluene	8.155	165	779545	43.92	ppb	96
65) Diethylphthalate	8.508	149	2711168	44.15	ppb	99
66) Fluorene	8.636	166	2649833	44.71	ppb	99
67) 4-Chlorophenyl-phenyle...	8.647	204	1106946	45.64	ppb	97
68) 4-Nitroaniline	8.701	138	751844	45.38	ppb	98
71) n-Nitrosodiphenylamine	8.834	169	1813549	46.59	ppb	99
72) 1,2-Diphenylhydrazine	8.882	77	3376773	46.79	ppb	97
74) 4-Bromophenyl-phenylether	9.374	248	558591	47.09	ppb	96
75) Hexachlorobenzene	9.465	284	556141	45.13	ppb	96
77) Phenanthrene	10.070	178	3560051	43.59	ppb	100
78) Anthracene	10.150	178	3667191	45.21	ppb	100
79) Carbazole	10.428	167	3582805	40.21	ppb	99
80) Di-n-butylphthalate	11.038	149	4543831	46.34	ppb	100
81) Fluoranthene	11.931	202	3371151	43.57	ppb	96
84) Pyrene	12.279	202	3509906	46.40	ppb	99
86) Butylbenzylphthalate	13.407	149	1892067	47.28	ppb	98
88) Benzo[a]anthracene	14.199	228	2782846	43.71	ppb	99
90) Chrysene	14.258	228	2892289	46.56	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.365	149	2600862	47.78	ppb	98
93) Di-n-octylphthalate	15.349	149	4395805	48.24	ppb	100
94) Benzo[b]fluoranthene	15.809	252	2405440	41.67	ppb	98
95) Benzo[k]fluoranthene	15.846	252	2520063	45.38	ppb	99
96) Benzo[a]pyrene	16.253	252	2278180	45.24	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.868	276	2564993	42.76	ppb	97
99) Dibenz[a,h]anthracene	17.900	278	2178407	43.45	ppb	96
101) Benzo[g,h,i]perylene	18.307	276	2169379	45.04	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64054.D
Acq On : 3 Jun 2014 5:49 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 12:53:37 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64055.D
Acq On : 3 Jun 2014 6:15 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 04 12:57:53 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	722838	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	2980654	40.00	ppb	0.00
47) Acenaphthene-d10	7.855	164	1635901	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2451298	40.00	ppb	0.00
83) Chrysene-d12	14.209	240	2027247	40.00	ppb	0.00
92) Perylene-d12	16.322	264	1638776	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	722838	40.00	ppb	0.00
104) Acenaphthene-d10a	7.855	164	1635901	40.00	ppb	0.00
107) Chrysene-d12a	14.209	240	2027247	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2451298	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	2980654	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.271	88	616787	43.08	ppb	100
6) Indene	4.897	116	2438523	44.19	ppb	100
7) Cumene	4.100	105	3444949	41.55	ppb	98
13) Decane	4.571	43	836524	39.80	ppb	93
18) Acetophenone	5.010	105	2008165	42.80	ppb	99
27) Quinoline	6.144	129	2626158	41.36	ppb	99
40) 2,3-Dichloroaniline	6.882	161	1074618	35.92	ppb	98
41) Caprolactam	6.208	55	448022	41.09	ppb	99
45) 1-Methylnaphthalene	6.657	142	2454652	40.38	ppb	99
46) Dimethylnaphthalene	7.304	156	2198499	40.73	ppb	99
53) Biphenyl	7.106	154	3002818	41.87	ppb	99
82) Octadecane	9.973	57	1445629	43.47	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.798	256	1061105	41.57	ppb	97

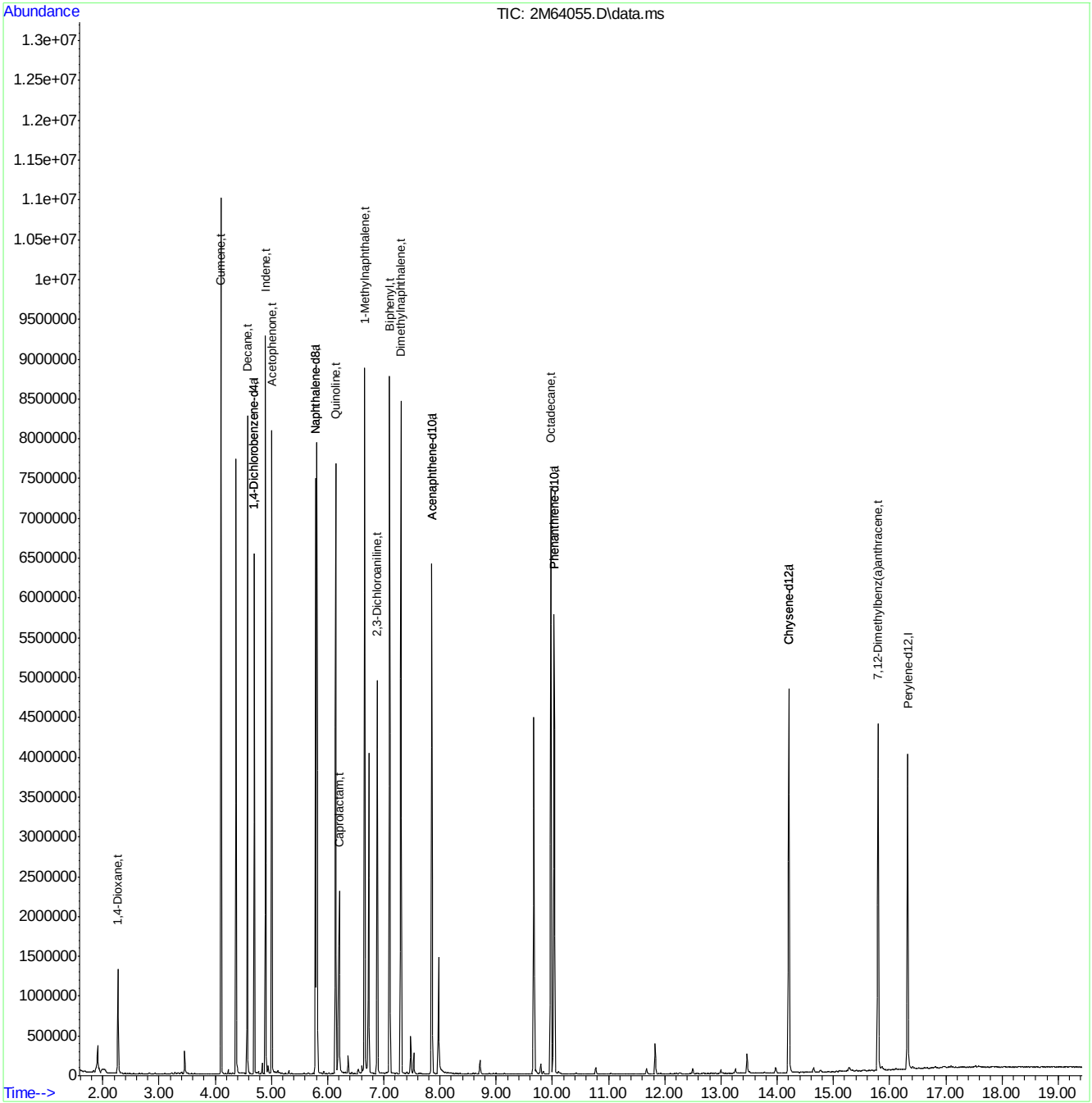
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64055.D
Acq On : 3 Jun 2014 6:15 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 04 12:57:53 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64056.D
Acq On : 3 Jun 2014 6:42 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 12:59:54 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	832200	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3399853	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1876888	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2779652	40.00	ppb	0.00
83) Chrysene-d12	14.209	240	2298195	40.00	ppb	0.00
92) Perylene-d12	16.322	264	1837343	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	832200	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1876888	40.00	ppb	0.00
107) Chrysene-d12a	14.209	240	2298195	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2779652	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3399853	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	1469359	44.62	ppb	0.00
Spiked Amount 50.000			Recovery = 89.24%			
8) Phenol-d5	4.459	99	1885266	45.96	ppb	0.00
Spiked Amount 50.000			Recovery = 91.92%			
25) Nitrobenzene-d5	5.138	82	1736256	44.96	ppb	0.00
Spiked Amount 50.000			Recovery = 89.92%			
51) 2-Fluorobiphenyl	6.983	172	2636992	44.28	ppb	0.00
Spiked Amount 50.000			Recovery = 88.56%			
73) 2,4,6-Tribromophenol	8.995	330	227671	43.64	ppb	0.00
Spiked Amount 50.000			Recovery = 87.28%			
85) Terphenyl-d14	12.583	244	2207052	45.84	ppb	0.00
Spiked Amount 50.000			Recovery = 91.68%			
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

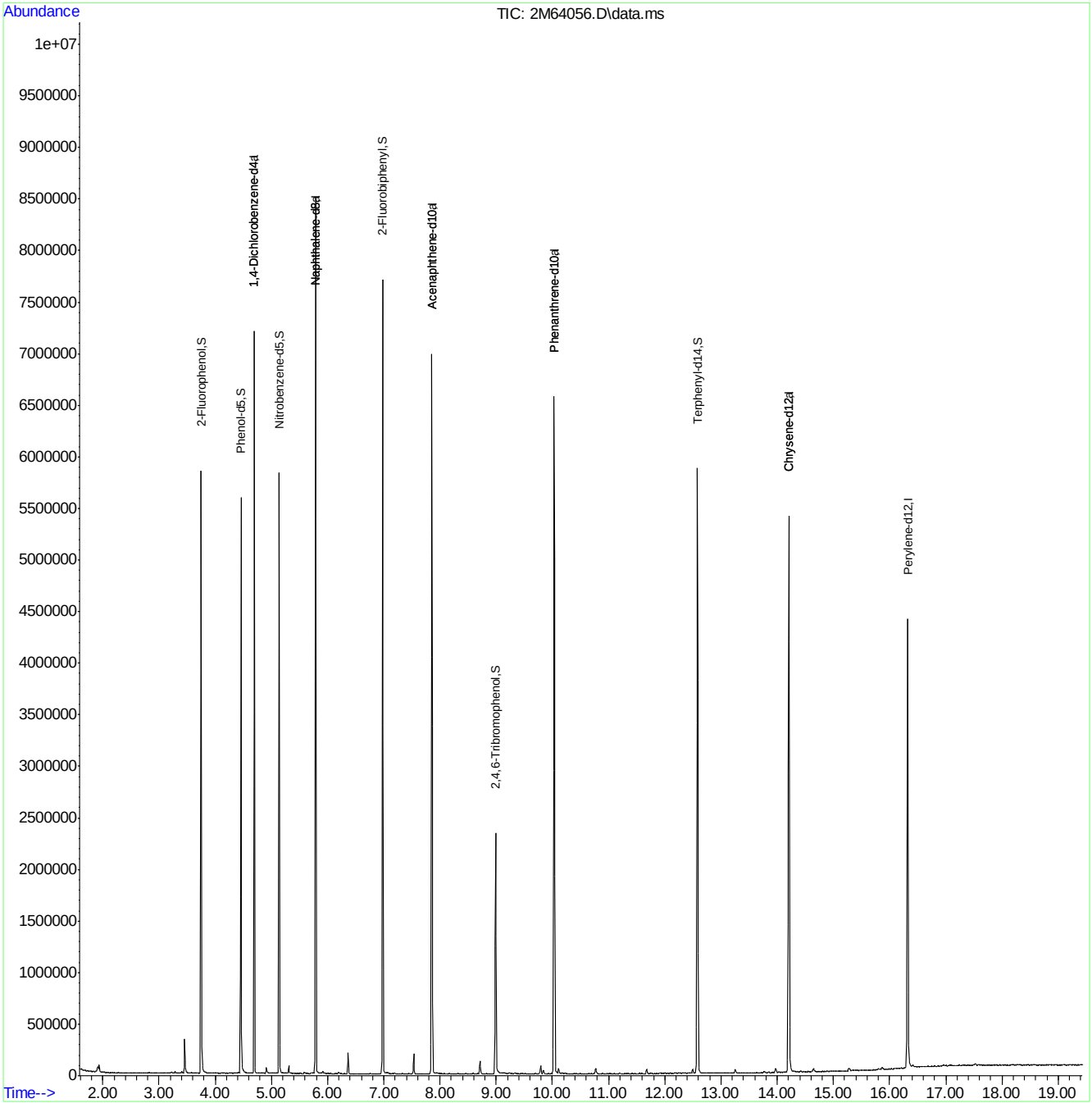
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64056.D
Acq On : 3 Jun 2014 6:42 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 12:59:54 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64057.D
Acq On : 3 Jun 2014 7:08 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 04 13:01:58 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

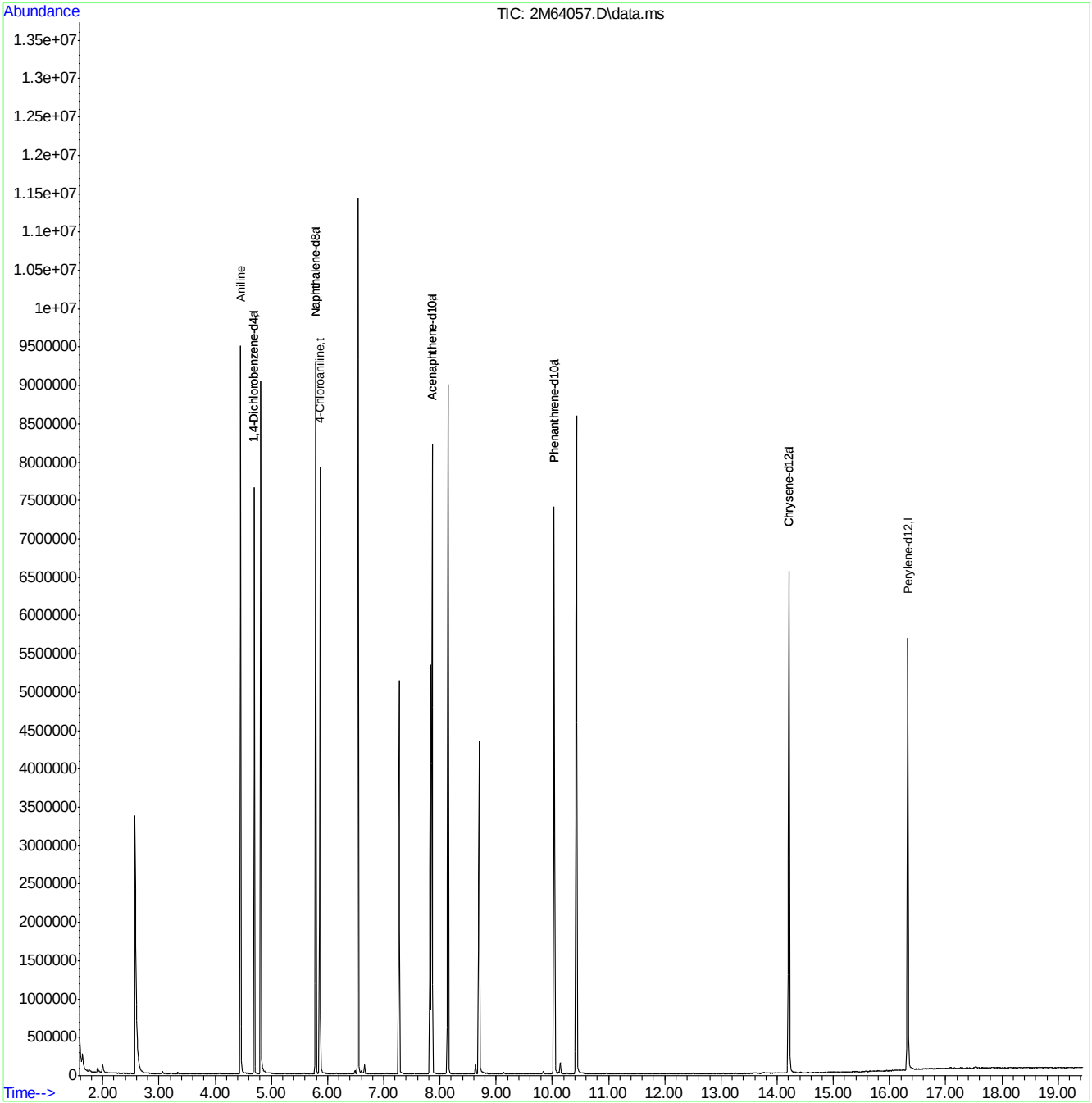
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	920871	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3778380	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	2156978	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	3297871	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	2912140	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2391623	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	920871	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	2156978	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	2912140	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	3297871	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3778380	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%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.454	93	3206190	57.09	ppb	91
39) 4-Chloroaniline	5.866	127	2152750	51.87	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64057.D
Acq On : 3 Jun 2014 7:08 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 04 13:01:58 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64058.D
Acq On : 3 Jun 2014 7:35 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 04 13:04:46 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration

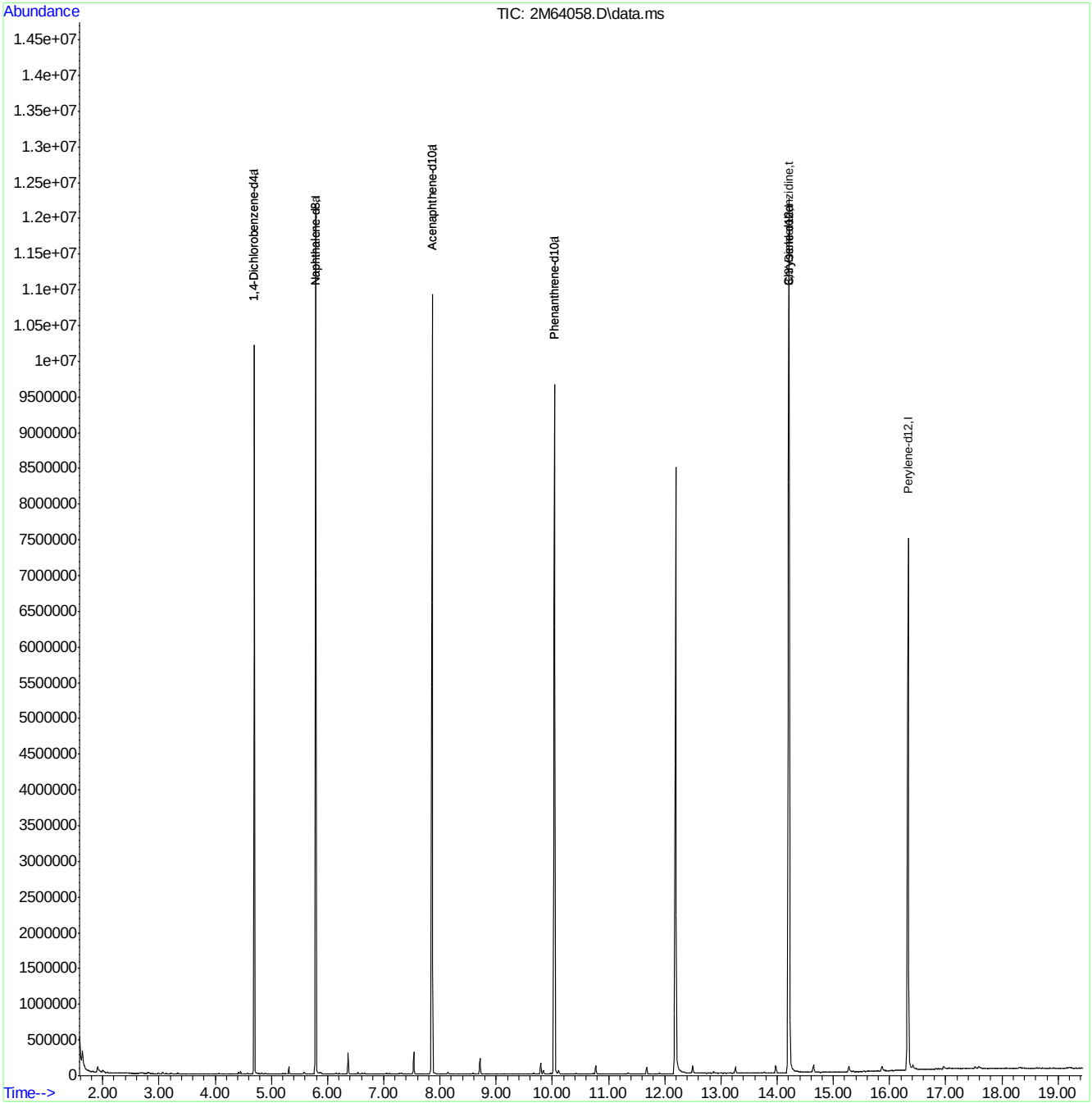
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	1262256	40.00	ppb	0.00
24) Naphthalene-d8	5.786	136	5178607	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	2903609	40.00	ppb	0.00
69) Phenanthrene-d10	10.038	188	4461029	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	3905656	40.00	ppb	0.00
92) Perylene-d12	16.333	264	3454530	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	1262256	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	2903609	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	3905656	40.00	ppb	0.00
110) Phenanthrene-d10a	10.038	188	4461029	40.00	ppb	0.00
113) Naphthalene-d8a	5.786	136	5178607	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.204	252	1805303	47.12	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2718\
Data File : 2M64058.D
Acq On : 3 Jun 2014 7:35 pm
Operator : olgaa
Sample : icv2718-50
Misc : op75039,E2M2718,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 04 13:04:46 2014
Quant Method : C:\msdchem\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 08:11:40 2014
QLast Update : Wed Jun 04 08:11:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64065.D
Acq On : 4 Jun 2014 9:42 am
Operator : olgaa
Sample : ic2719-100
Misc : op75039,E2M2719,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 11:48:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:45:45 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration

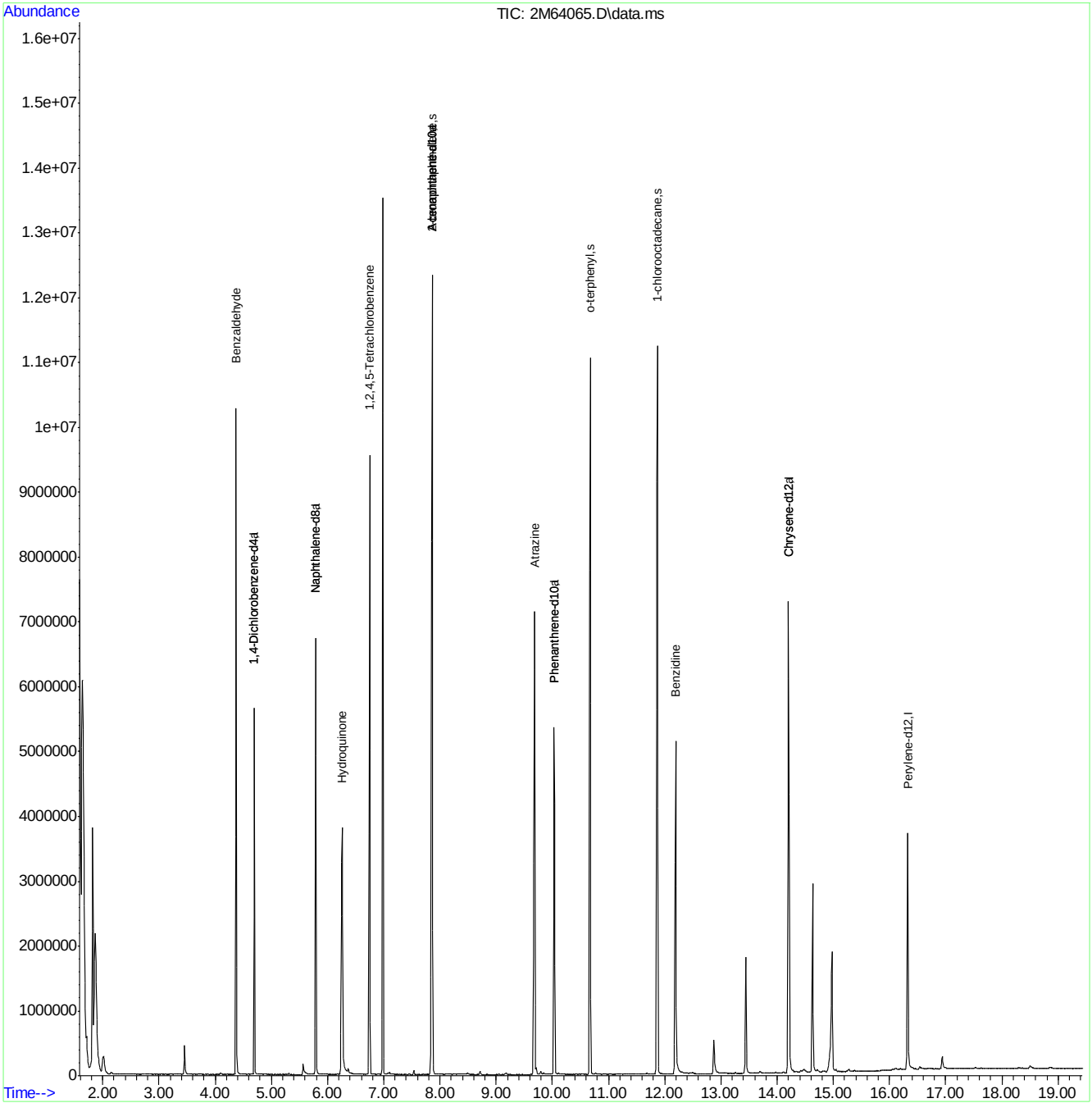
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	665924	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	2728188	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1391748	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2271955	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	1873663	40.00	ppb	0.00
92) Perylene-d12	16.328	264	1541357	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	665924	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1391748	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	1873663	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2271955	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	2728188	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%		
106) 2-bromonaphthalene	7.855	127	2306978	99.89	ppb	0.00
109) 1-chlorooctadecane	11.867	57	1720738	100.12	ppb	0.00
Spiked Amount 50.000			Recovery =	200.24%		
112) o-terphenyl	10.674	230	2872991	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.368	105	1740731	100.31	ppb	100
105) 1,2,4,5-Tetrachloroben...	6.748	216	1531478	100.00	ppb	100
108) Benzidine	12.193	184	2647195	100.00	ppb	100
111) Atrazine	9.685	215	580006	100.00	ppb	100
114) Hydroquinone	6.261	110	2822795	100.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64065.D
Acq On : 4 Jun 2014 9:42 am
Operator : olgaa
Sample : ic2719-100
Misc : op75039,E2M2719,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 11:48:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:45:45 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64066.D
Acq On : 4 Jun 2014 10:08 am
Operator : olgaa
Sample : ic2719-80
Misc : op75039,E2M2719,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 11:48:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration

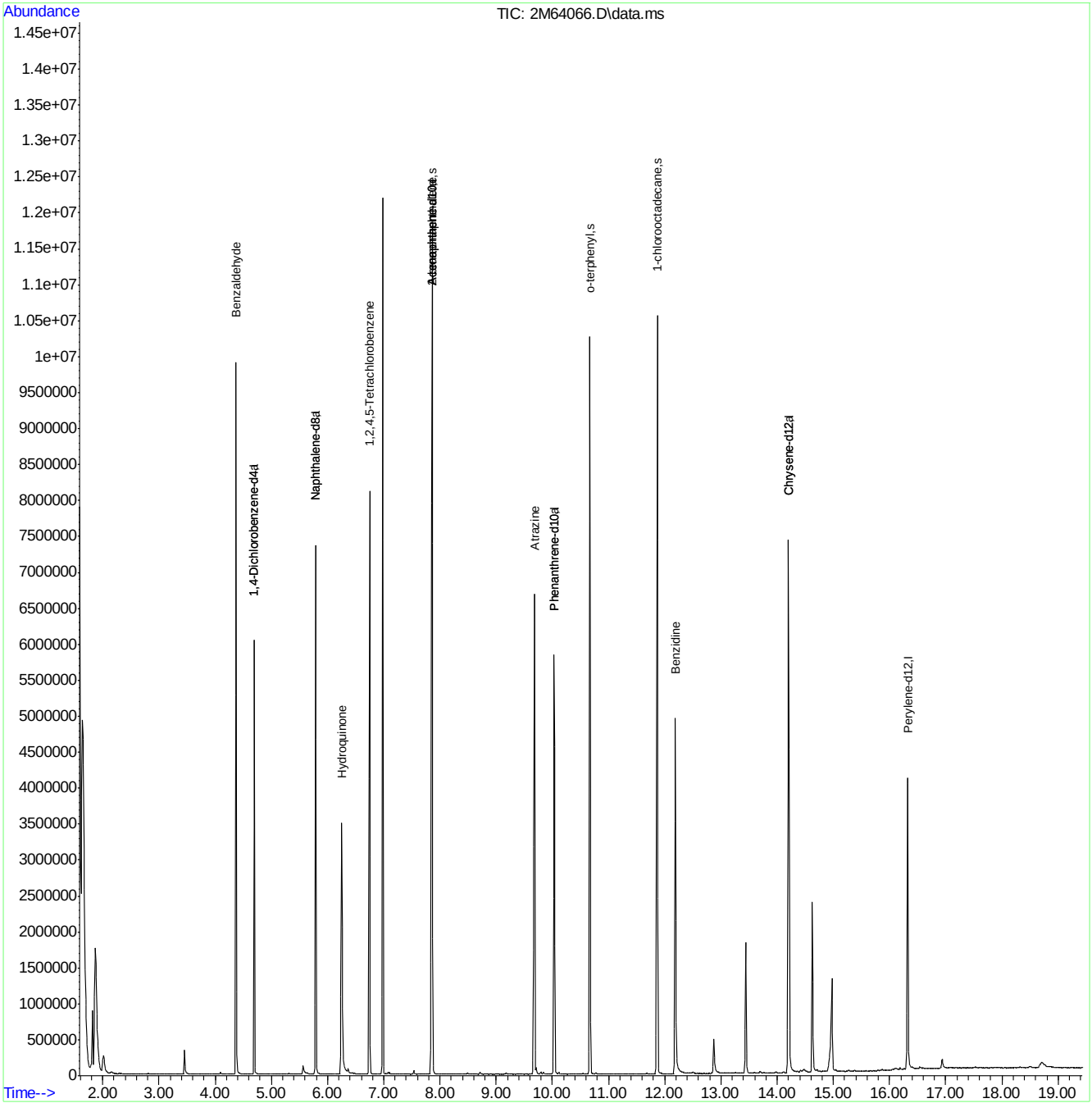
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	721723	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	2892864	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1496406	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2424659	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	2025451	40.00	ppb	0.00
92) Perylene-d12	16.328	264	1692836	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	721723	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1496406	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	2025451	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2424659	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	2892864	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%		
106) 2-bromonaphthalene	7.855	127	2035942	81.99	ppb	0.00
109) 1-chlorooctadecane	11.867	57	1526515	82.16	ppb	0.00
Spiked Amount 50.000			Recovery =	164.32%		
112) o-terphenyl	10.669	230	2539177	82.81	ppb	0.00
Spiked Amount 50.000			Recovery =	165.62%		
Target Compounds						Qvalue
103) Benzaldehyde	4.368	105	1625941	86.45	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.748	216	1346706	81.78	ppb	98
108) Benzidine	12.188	184	2496341	87.23	ppb	99
111) Atrazine	9.685	215	510835	82.53	ppb	95
114) Hydroquinone	6.251	110	2436789	81.41	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64066.D
Acq On : 4 Jun 2014 10:08 am
Operator : olgaa
Sample : ic2719-80
Misc : op75039,E2M2719,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 11:48:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration



9.6.16
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JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64067.D
Acq On : 4 Jun 2014 10:34 am
Operator : olgaa
Sample : icc2719-50
Misc : op75039,E2M2719,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 11:49:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration

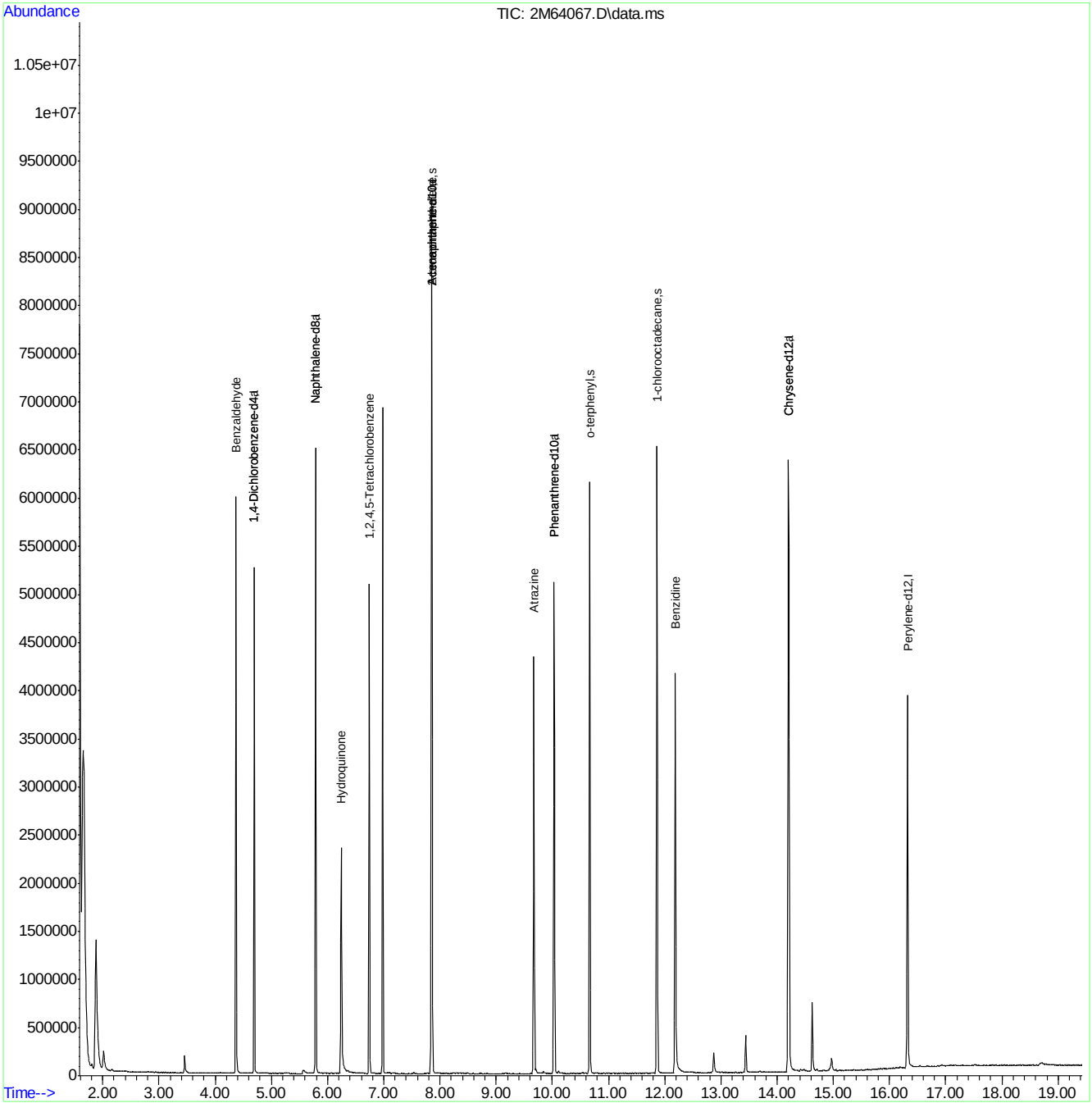
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	644061	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	2611900	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1381197	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2202895	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	1860802	40.00	ppb	0.00
92) Perylene-d12	16.322	264	1563893	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	644061	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1381197	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	1860802	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2202895	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	2611900	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%		
106) 2-bromonaphthalene	7.850	127	1161717	50.69	ppb	0.00
109) 1-chlorooctadecane	11.861	57	926180	54.26	ppb	0.00
Spiked Amount 50.000			Recovery =	108.52%		
112) o-terphenyl	10.669	230	1434548	51.50	ppb	0.00
Spiked Amount 50.000			Recovery =	103.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.368	105	984874	58.68	ppb	99
105) 1,2,4,5-Tetrachloroben...	6.743	216	758371	49.90	ppb	99
108) Benzidine	12.188	184	1949257	74.14	ppb	100
111) Atrazine	9.674	215	289885	51.55	ppb	95
114) Hydroquinone	6.245	110	1342480	49.68	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64067.D
Acq On : 4 Jun 2014 10:34 am
Operator : olgaa
Sample : icc2719-50
Misc : op75039,E2M2719,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 11:49:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64068.D
Acq On : 4 Jun 2014 11:01 am
Operator : olgaa
Sample : ic2719-25
Misc : op75039,E2M2719,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 11:50:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration

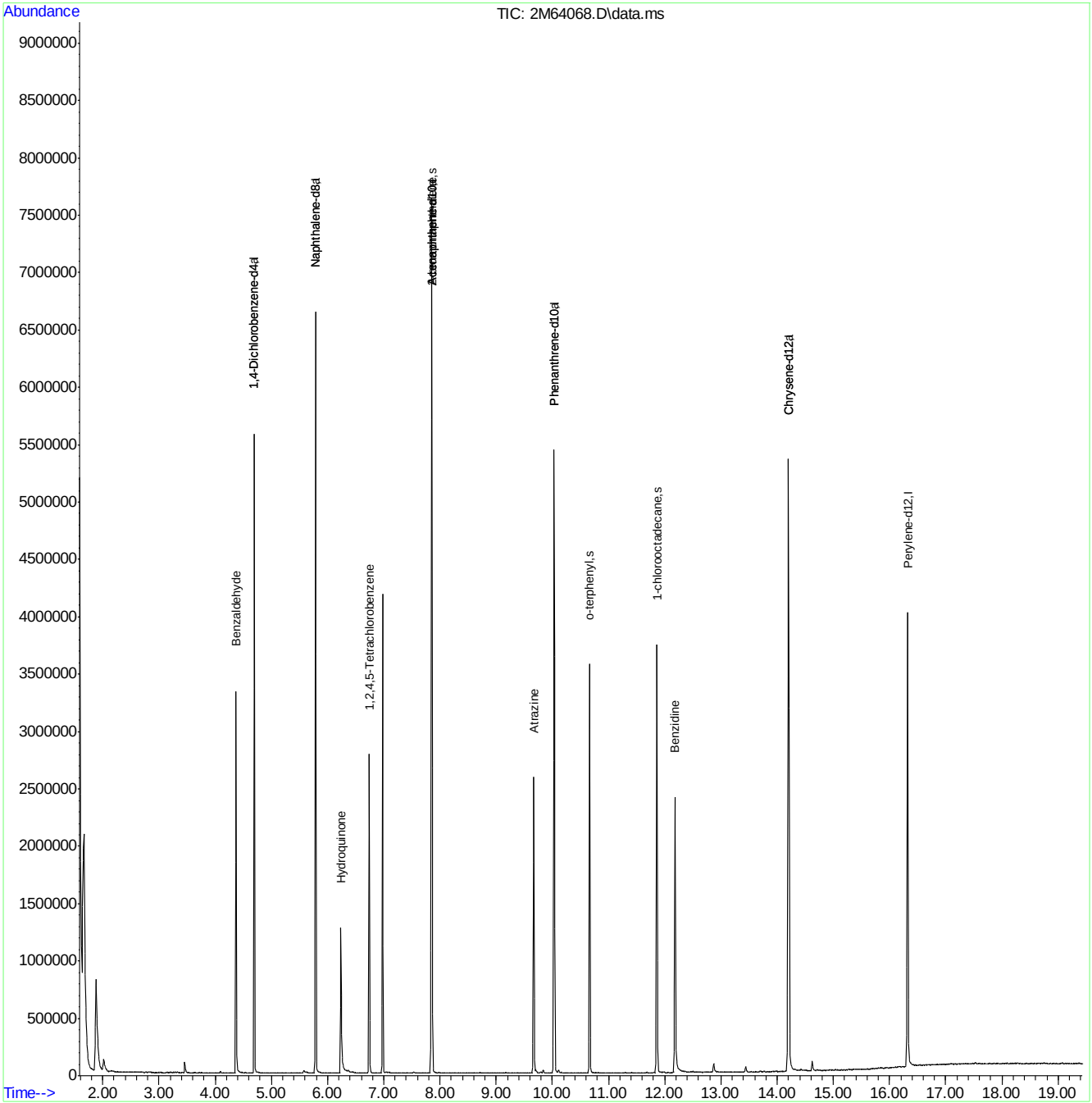
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	663154	40.00	ppb	0.00
24) Naphthalene-d8	5.786	136	2674542	40.00	ppb	0.00
47) Acenaphthene-d10	7.856	164	1464123	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2268643	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	1953205	40.00	ppb	0.00
92) Perylene-d12	16.322	264	1623828	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	663154	40.00	ppb	0.00
104) Acenaphthene-d10a	7.856	164	1464123	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	1953205	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2268643	40.00	ppb	0.00
113) Naphthalene-d8a	5.786	136	2674542	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%		
106) 2-bromonaphthalene	7.850	127	635170	26.14	ppb	0.00
109) 1-chlorooctadecane	11.862	57	507423	28.32	ppb	0.00
Spiked Amount 50.000			Recovery =	56.64%		
112) o-terphenyl	10.664	230	779054	27.16	ppb	-0.01
Spiked Amount 50.000			Recovery =	54.32%		
Target Compounds						Qvalue
103) Benzaldehyde	4.368	105	539420	31.21	ppb	99
105) 1,2,4,5-Tetrachloroben...	6.743	216	417733	25.93	ppb	100
108) Benzidine	12.183	184	1166383	42.27	ppb	99
111) Atrazine	9.669	215	154485	26.67	ppb	95
114) Hydroquinone	6.235	110	685552	24.77	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64068.D
Acq On : 4 Jun 2014 11:01 am
Operator : olgaa
Sample : ic2719-25
Misc : op75039,E2M2719,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 11:50:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64069.D
Acq On : 4 Jun 2014 11:30 am
Operator : olgaa
Sample : ic2719-10
Misc : op75039,E2M2719,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 11:51:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration

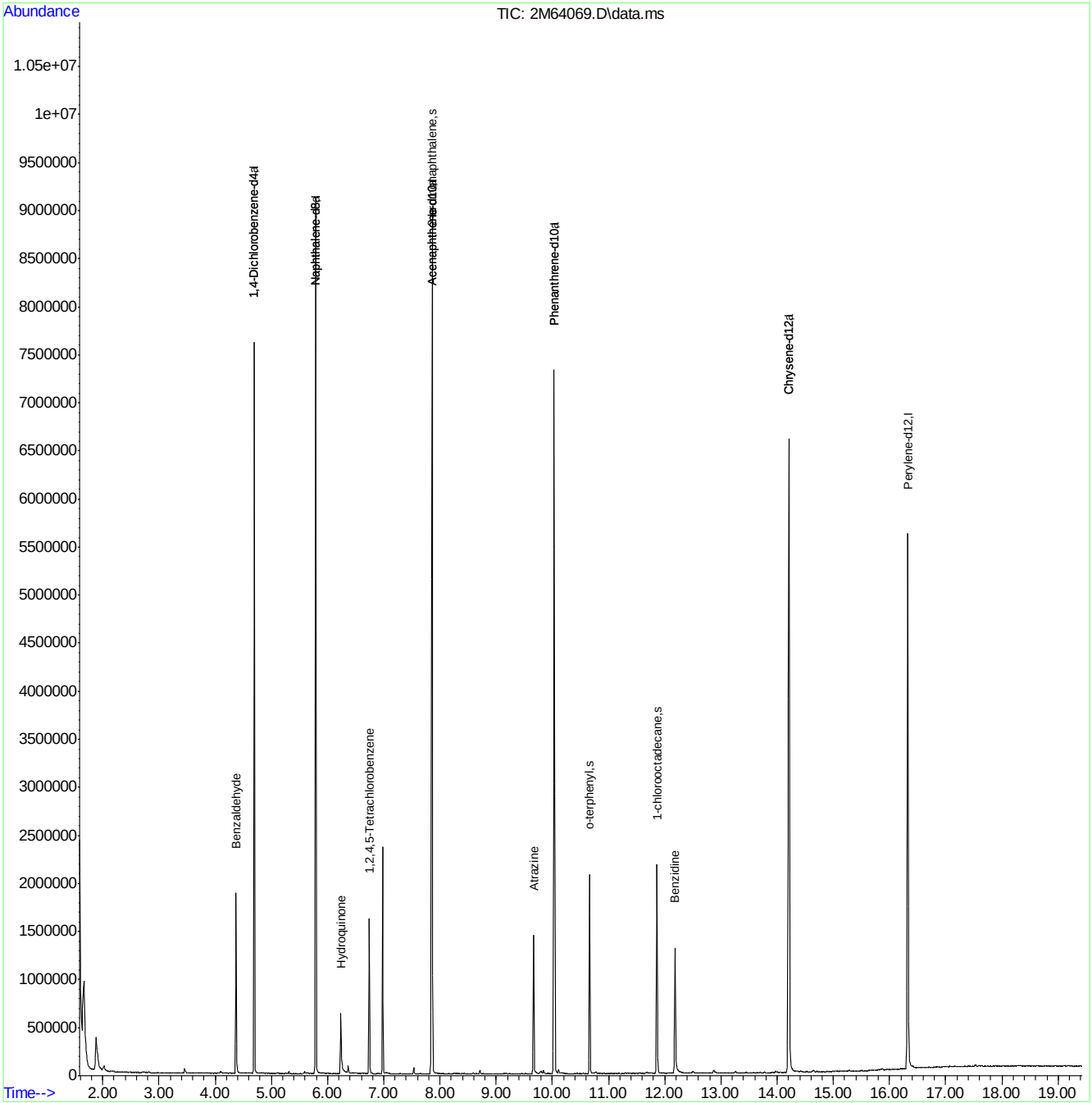
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	949870	40.00	ppb	0.00
24) Naphthalene-d8	5.786	136	3825519	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	2104872	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	3257989	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	2804655	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2362447	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	949870	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	2104872	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	2804655	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	3257989	40.00	ppb	0.00
113) Naphthalene-d8a	5.786	136	3825519	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%			
106) 2-bromonaphthalene	7.850	127	357458	10.23	ppb	0.00
109) 1-chlorooctadecane	11.862	57	289181	11.24	ppb	0.00
Spiked Amount 50.000			Recovery = 22.48%			
112) o-terphenyl	10.664	230	441362	10.71	ppb	-0.01
Spiked Amount 50.000			Recovery = 21.42%			
Target Compounds						Qvalue
103) Benzaldehyde	4.368	105	309677	12.51	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.743	216	240463	10.38	ppb	99
108) Benzidine	12.183	184	645186	16.28	ppb	98
111) Atrazine	9.669	215	88752	10.67	ppb	97
114) Hydroquinone	6.235	110	350509	8.86	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64069.D
Acq On : 4 Jun 2014 11:30 am
Operator : olgaa
Sample : ic2719-10
Misc : op75039,E2M2719,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 11:51:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 11:47:30 2014
QLast Update : Wed Jun 04 11:47:30 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64070.D
Acq On : 4 Jun 2014 11:57 am
Operator : olgaa
Sample : ic2719-5
Misc : op75039,E2M2719,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 04 14:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:41:32 2014
QLast Update : Wed Jun 04 14:41:32 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	822251	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3312519	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1832719	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2780561	40.00	ppb	0.00
83) Chrysene-d12	14.209	240	2367444	40.00	ppb	0.00
92) Perylene-d12	16.328	264	1979787	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	822251	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1832719	40.00	ppb	0.00
107) Chrysene-d12a	14.209	240	2367444	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2780561	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3312519	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%		
106) 2-bromonaphthalene	7.850	127	157535	5.07	ppb	0.00
109) 1-chlorooctadecane	11.861	57	120364	5.16	ppb	0.00
Spiked Amount 50.000			Recovery =	10.32%		
112) o-terphenyl	10.663	230	189829	5.17	ppb	0.00
Spiked Amount 50.000			Recovery =	10.34%		
Target Compounds						Qvalue
103) Benzaldehyde	4.368	105	132389	5.37	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.743	216	103823	5.05	ppb	99
108) Benzidine	12.182	184	254731	5.52	ppb	99
111) Atrazine	9.663	215	35753	4.85	ppb	95
114) Hydroquinone	6.240	110	125620	3.75	ppb	98

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

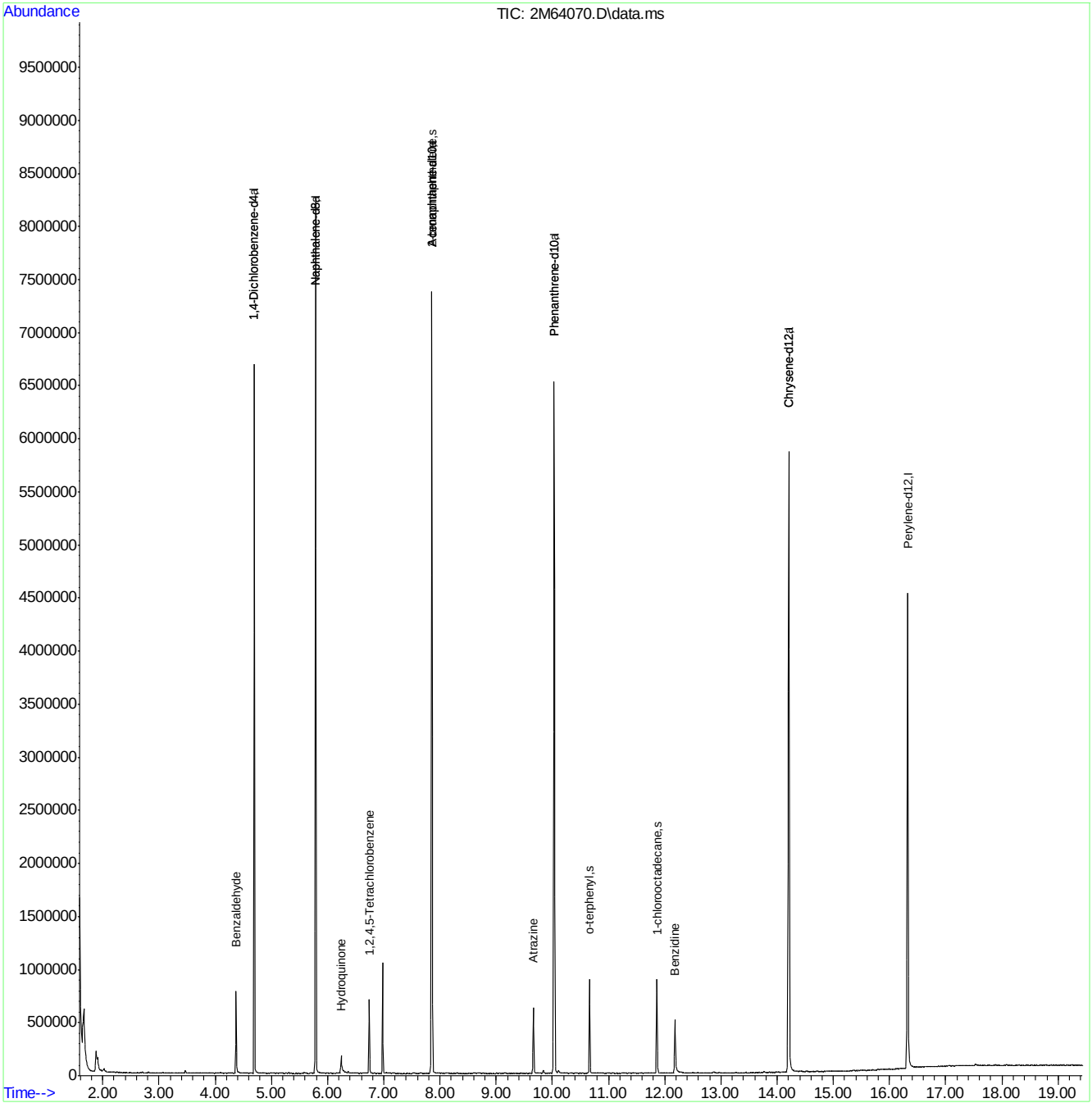
9.6.20

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64070.D
Acq On : 4 Jun 2014 11:57 am
Operator : olgaa
Sample : ic2719-5
Misc : op75039,E2M2719,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 04 14:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:41:32 2014
QLast Update : Wed Jun 04 14:41:32 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64071.D
Acq On : 4 Jun 2014 12:23 pm
Operator : olgaa
Sample : ic2719-2
Misc : op75039,E2M2719,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 04 14:43:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:41:32 2014
QLast Update : Wed Jun 04 14:41:32 2014
Response via : Initial Calibration

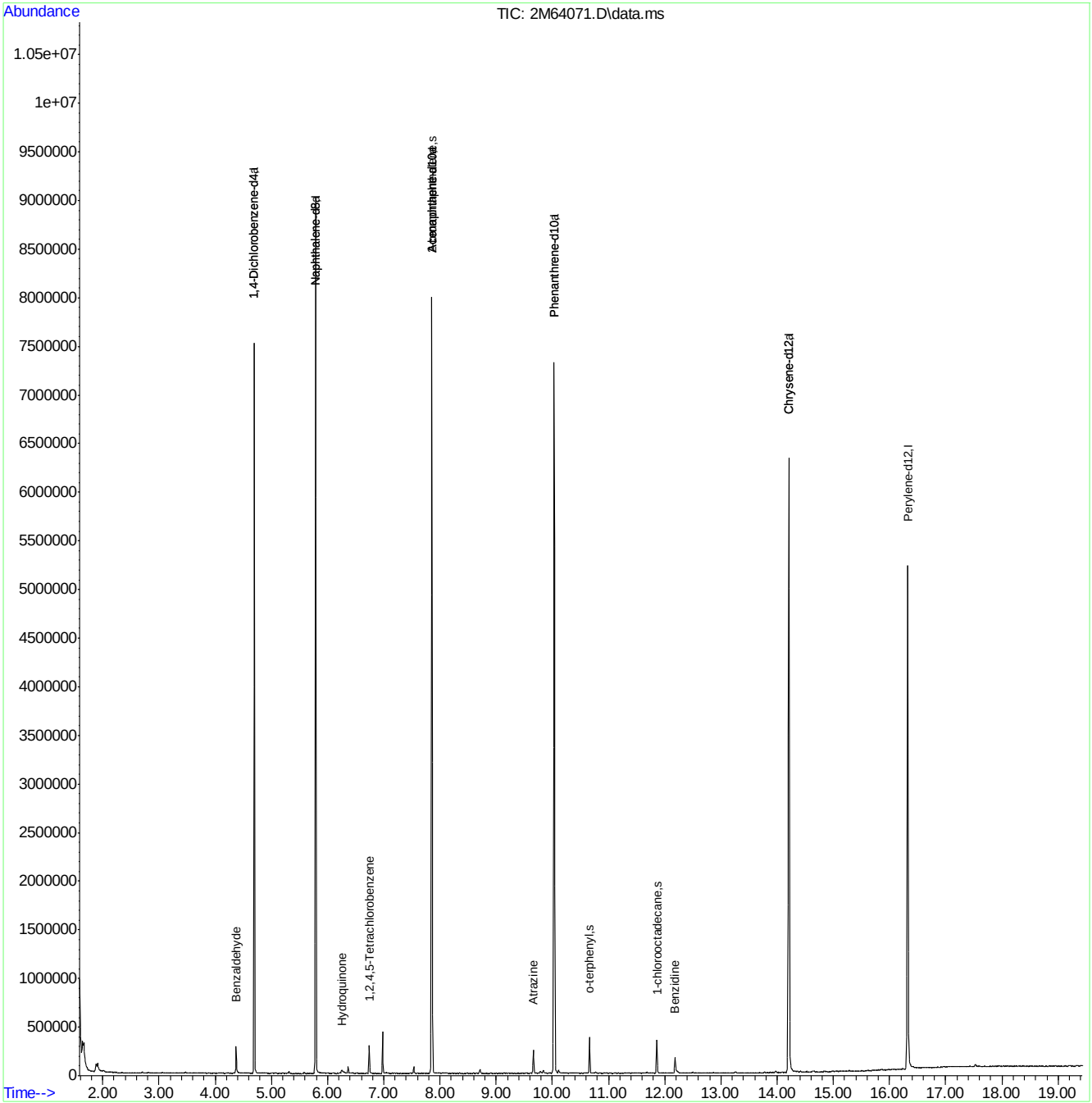
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	913287	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3681431	40.00	ppb	0.00
47) Acenaphthene-d10	7.855	164	2025101	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	3056091	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	2655464	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2240062	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	913287	40.00	ppb	0.00
104) Acenaphthene-d10a	7.855	164	2025101	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	2655464	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	3056091	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3681431	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%		
106) 2-bromonaphthalene	7.850	127	67688	1.97	ppb	0.00
109) 1-chlorooctadecane	11.862	57	47444	1.81	ppb	0.00
Spiked Amount 50.000			Recovery =	3.62%		
112) o-terphenyl	10.663	230	79320	1.96	ppb	0.00
Spiked Amount 50.000			Recovery =	3.92%		
Target Compounds						Qvalue
103) Benzaldehyde	4.373	105	57555	2.10	ppb	99
105) 1,2,4,5-Tetrachloroben...	6.743	216	45174	1.99	ppb	98
108) Benzidine	12.182	184	95583	1.85	ppb	99
111) Atrazine	9.663	215	15344	1.89	ppb	94
114) Hydroquinone	6.251	110	38425	1.03	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64071.D
Acq On : 4 Jun 2014 12:23 pm
Operator : olgaa
Sample : ic2719-2
Misc : op75039,E2M2719,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 04 14:43:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:41:32 2014
QLast Update : Wed Jun 04 14:41:32 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64072.D
Acq On : 4 Jun 2014 12:50 pm
Operator : olgaa
Sample : ic2719-1
Misc : op75039,E2M2719,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 14:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:41:32 2014
QLast Update : Wed Jun 04 14:41:32 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	954571	40.00	ppb	0.00
24) Naphthalene-d8	5.786	136	3837390	40.00	ppb	0.00
47) Acenaphthene-d10	7.855	164	2129828	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	3225279	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	2793753	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2326475	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	954571	40.00	ppb	0.00
104) Acenaphthene-d10a	7.855	164	2129828	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	2793753	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	3225279	40.00	ppb	0.00
113) Naphthalene-d8a	5.786	136	3837390	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%		
106) 2-bromonaphthalene	7.850	127	37010	1.03	ppb	0.00
109) 1-chlorooctadecane	11.856	57	25160	0.91	ppb	0.00
Spiked Amount 50.000			Recovery =	1.82%		
112) o-terphenyl	10.663	230	42839	1.01	ppb	0.00
Spiked Amount 50.000			Recovery =	2.02%		
Target Compounds						Qvalue
103) Benzaldehyde	4.373	105	31497	1.10	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.743	216	22537	0.94	ppb	94
108) Benzidine	12.182	184	41540	0.76	ppb	98
111) Atrazine	9.663	215	8059	0.94	ppb	84
114) Hydroquinone	6.262	110	16157	0.42	ppb	82

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

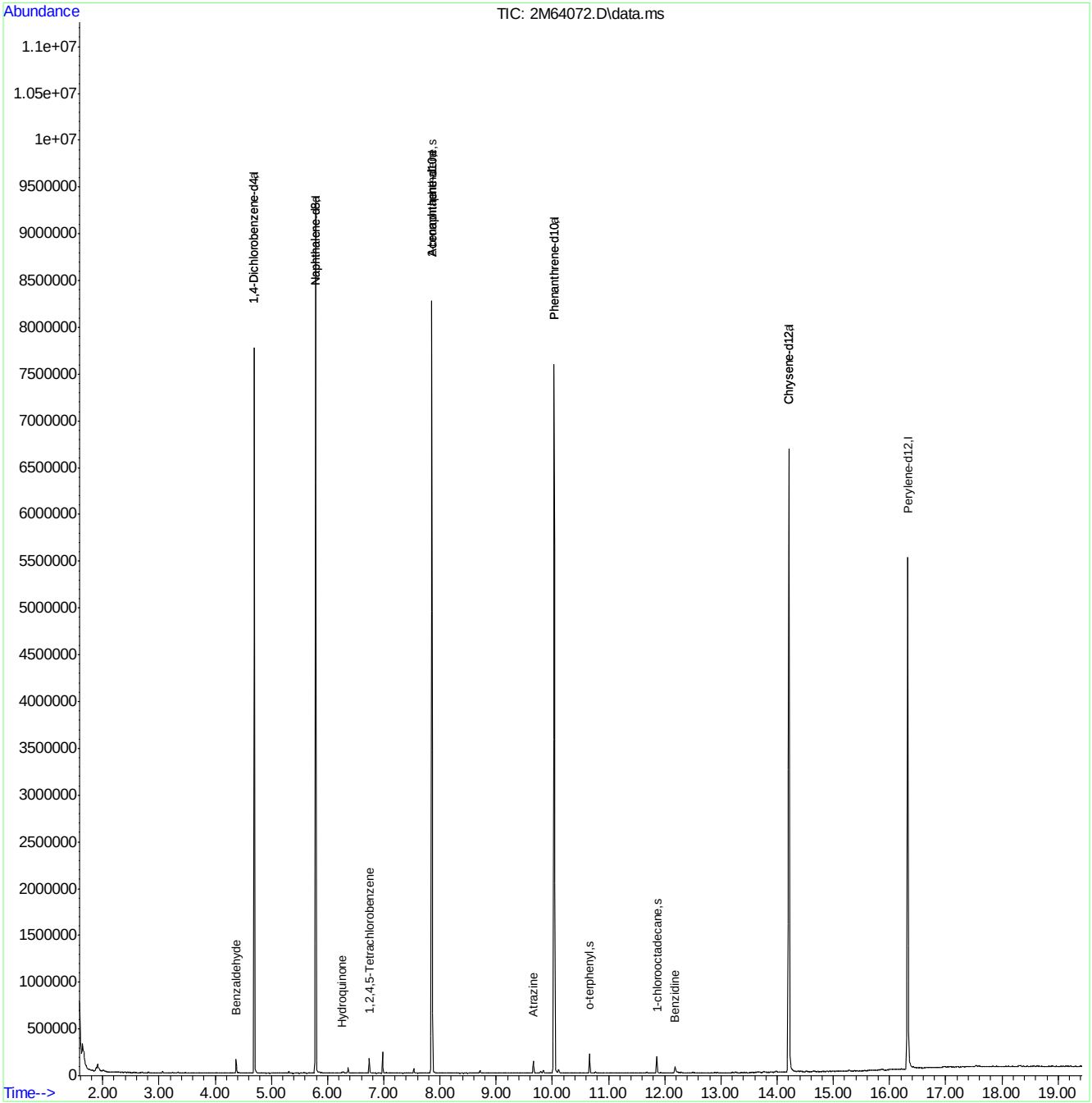
9.6.22

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64072.D
Acq On : 4 Jun 2014 12:50 pm
Operator : olgaa
Sample : ic2719-1
Misc : op75039,E2M2719,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 14:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:41:32 2014
QLast Update : Wed Jun 04 14:41:32 2014
Response via : Initial Calibration



M2M2718.M Wed Jun 04 16:37:09 2014 MS2M Page: 2

9.6.22

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64073.D
Acq On : 4 Jun 2014 1:16 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 14:54:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

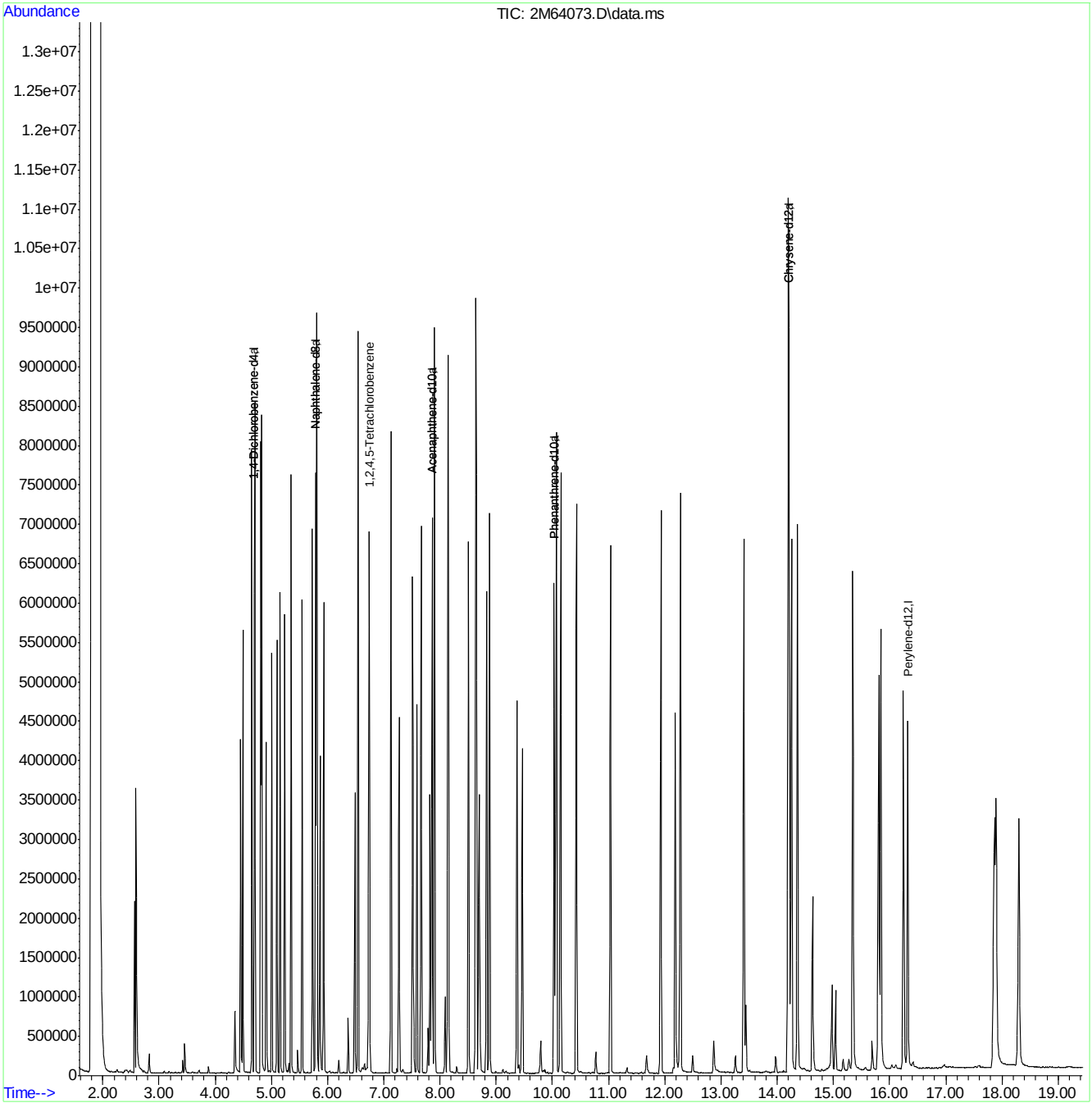
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	819636	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3320139	40.00	ppb	0.00
47) Acenaphthene-d10	7.861	164	1846740	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2729860	40.00	ppb	0.00
83) Chrysene-d12	14.215	240	2176467	40.00	ppb	0.00
92) Perylene-d12	16.328	264	1779051	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	819636	40.00	ppb	0.00
104) Acenaphthene-d10a	7.861	164	1846740	40.00	ppb	0.00
107) Chrysene-d12a	14.215	240	2176467	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2729860	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3320139	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
105) 1,2,4,5-Tetrachloroben...	6.748	216	1016004	49.38	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64073.D
Acq On : 4 Jun 2014 1:16 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 14:54:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



M2M2718.M Wed Jun 04 16:33:21 2014 MS2M Page: 2

9.6.23

9

ACCUTEST LABORATORIES
JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64074.D
Acq On : 4 Jun 2014 1:43 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 14:56:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

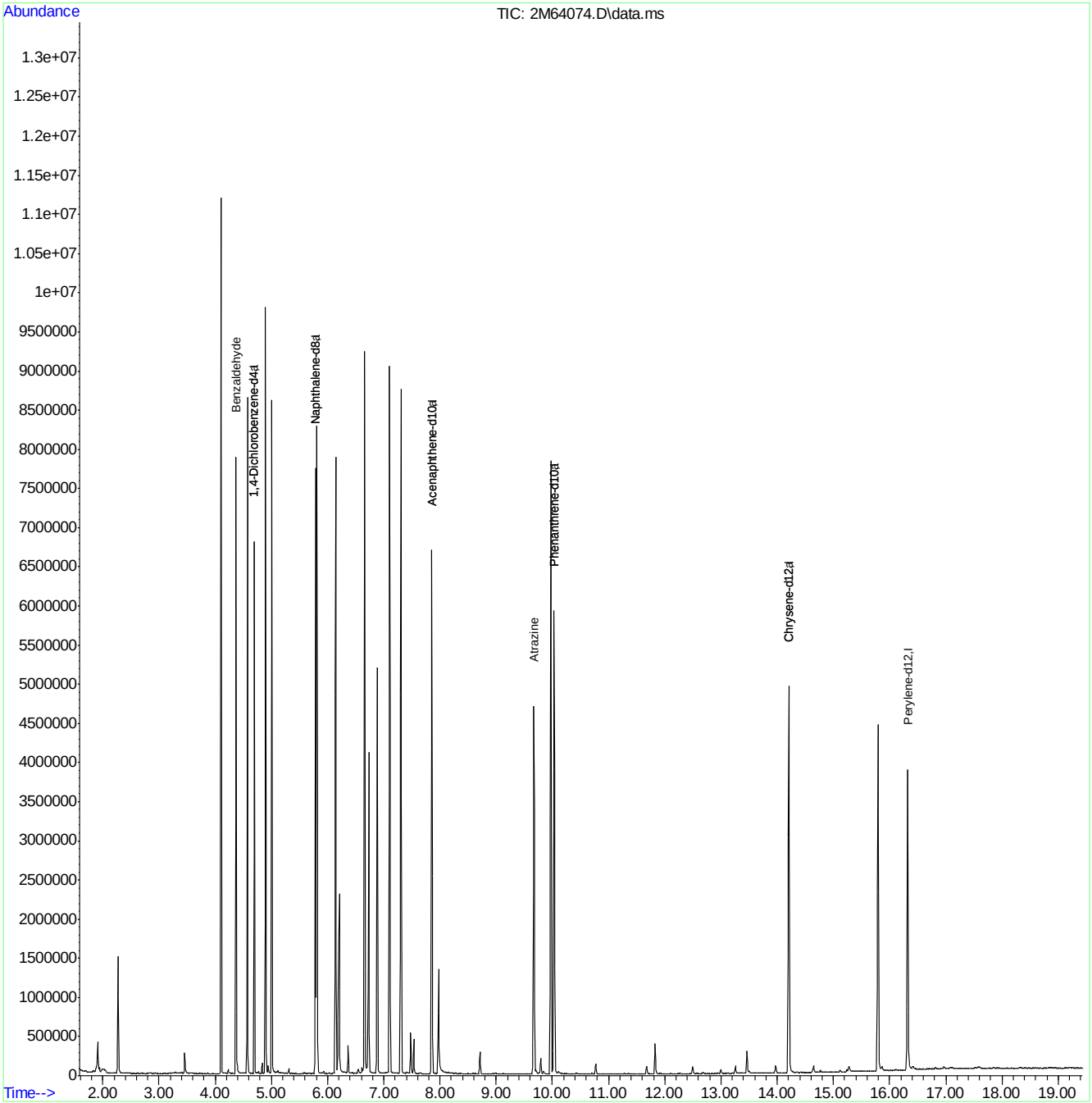
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	756452	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3101414	40.00	ppb	0.00
47) Acenaphthene-d10	7.855	164	1688641	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2517282	40.00	ppb	0.00
83) Chrysene-d12	14.209	240	2091448	40.00	ppb	0.00
92) Perylene-d12	16.322	264	1675218	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	756452	40.00	ppb	0.00
104) Acenaphthene-d10a	7.855	164	1688641	40.00	ppb	0.00
107) Chrysene-d12a	14.209	240	2091448	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2517282	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3101414	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.368	105	1202422	51.54	ppb	99
111) Atrazine	9.674	215	315103	48.04	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64074.D
Acq On : 4 Jun 2014 1:43 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 14:56:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64075.D
Acq On : 4 Jun 2014 2:09 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 04 14:58:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

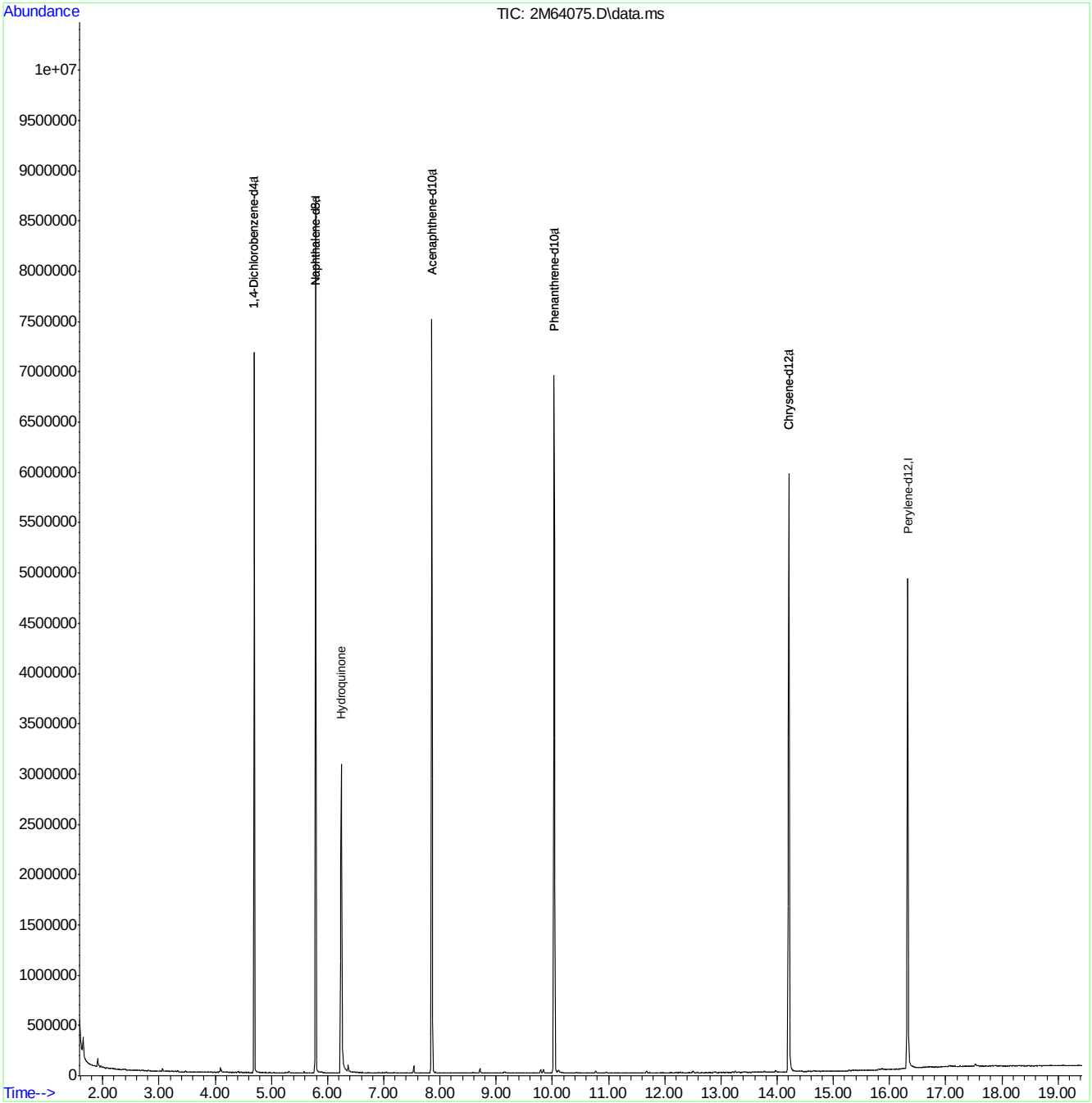
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	868096	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	3530951	40.00	ppb	0.00
47) Acenaphthene-d10	7.855	164	1960358	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	2979674	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	2614489	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2139016	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	868096	40.00	ppb	0.00
104) Acenaphthene-d10a	7.855	164	1960358	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	2614489	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	2979674	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	3530951	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
114) Hydroquinone	6.245	110	1927609	56.32	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64075.D
Acq On : 4 Jun 2014 2:09 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 04 14:58:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



M2M2718.M Wed Jun 04 16:33:44 2014 MS2M

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64076.D
Acq On : 4 Jun 2014 2:36 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 15:01:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

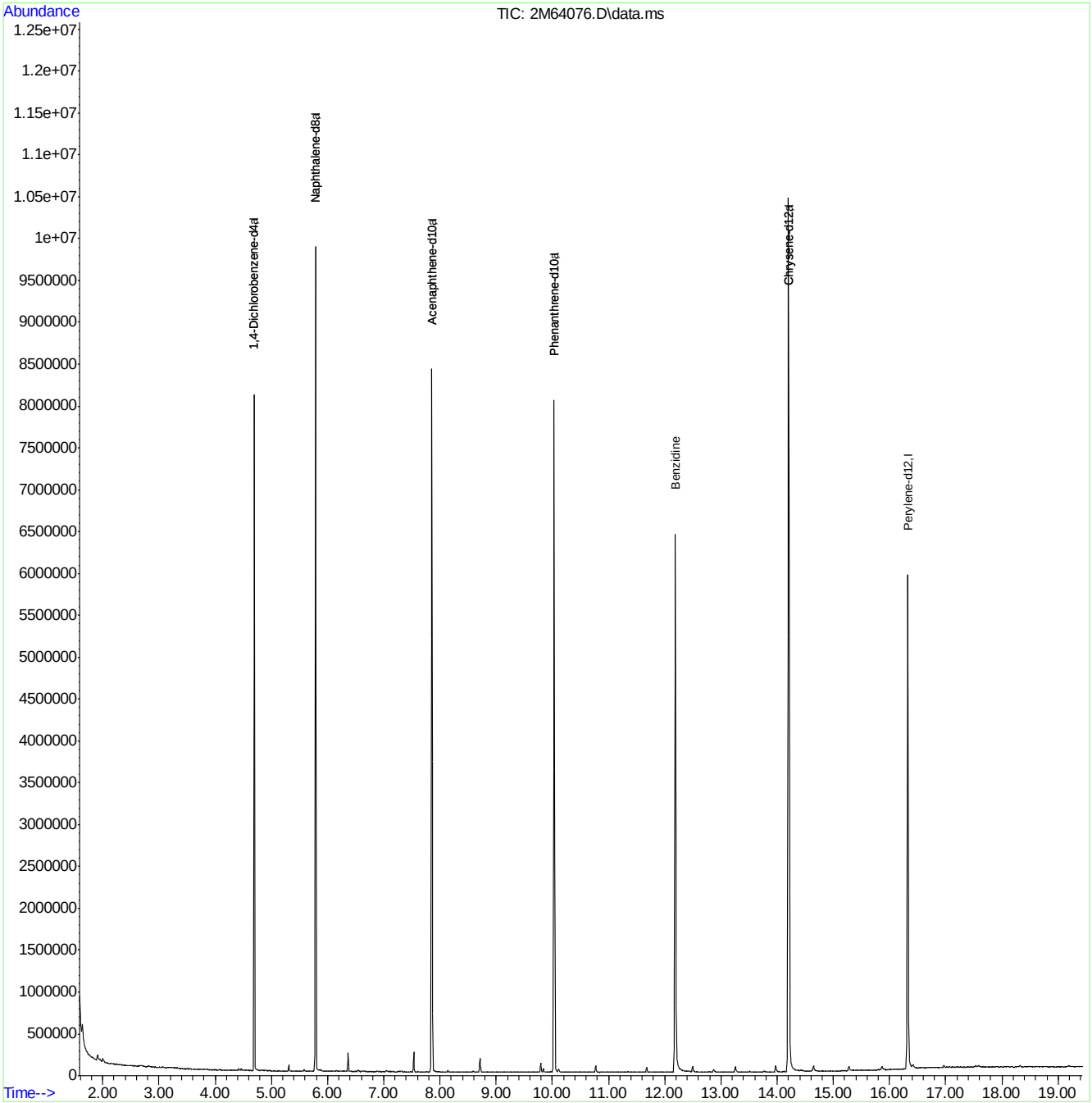
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.694	152	998674	40.00	ppb	0.00
24) Naphthalene-d8	5.785	136	4069357	40.00	ppb	0.00
47) Acenaphthene-d10	7.855	164	2251163	40.00	ppb	0.00
69) Phenanthrene-d10	10.032	188	3459730	40.00	ppb	0.00
83) Chrysene-d12	14.210	240	3021491	40.00	ppb	0.00
92) Perylene-d12	16.328	264	2619947	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.694	152	998674	40.00	ppb	0.00
104) Acenaphthene-d10a	7.855	164	2251163	40.00	ppb	0.00
107) Chrysene-d12a	14.210	240	3021491	40.00	ppb	0.00
110) Phenanthrene-d10a	10.032	188	3459730	40.00	ppb	0.00
113) Naphthalene-d8a	5.785	136	4069357	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%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	12.188	184	3235782	54.76	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2719\
Data File : 2M64076.D
Acq On : 4 Jun 2014 2:36 pm
Operator : olgaa
Sample : icv2719-50
Misc : op75039,E2M2719,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 15:01:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



M2M2718.M Wed Jun 04 16:33:55 2014 MS2M Page: 2

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64174.D
Acq On : 7 Jun 2014 10:42 am
Operator : harpreek
Sample : cc2718-25
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 11:10:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.652	152	554771	40.00	ppb	-0.04
24) Naphthalene-d8	5.737	136	2316308	40.00	ppb	-0.05
47) Acenaphthene-d10	7.797	164	1341478	40.00	ppb	-0.06
69) Phenanthrene-d10	9.968	188	2003514	40.00	ppb	-0.07
83) Chrysene-d12	14.151	240	1562725	40.00	ppb	-0.06
92) Perylene-d12	16.263	264	1157061	40.00	ppb	-0.06
102) 1,4-Dichlorobenzene-d4a	4.652	152	554771	40.00	ppb	-0.04
104) Acenaphthene-d10a	7.797	164	1341478	40.00	ppb	-0.06
106) Chrysene-d12a	14.151	240	1562725	40.00	ppb	-0.06
108) Phenanthrene-d10a	9.968	188	2003514	40.00	ppb	-0.06
110) Naphthalene-d8a	5.737	136	2316308	40.00	ppb	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.705	112	554574	25.26	ppb	-0.04
Spiked Amount 50.000			Recovery =	50.52%		
8) Phenol-d5	4.422	99	729490	26.68	ppb	-0.04
Spiked Amount 50.000			Recovery =	53.36%		
25) Nitrobenzene-d5	5.095	82	697205	26.50	ppb	-0.04
Spiked Amount 50.000			Recovery =	53.00%		
51) 2-Fluorobiphenyl	6.925	172	1038218	24.39	ppb	-0.06
Spiked Amount 50.000			Recovery =	48.78%		
73) 2,4,6-Tribromophenol	8.930	330	88891	23.64	ppb	-0.07
Spiked Amount 50.000			Recovery =	47.28%		
85) Terphenyl-d14	12.514	244	838126	25.60	ppb	-0.07
Spiked Amount 50.000			Recovery =	51.20%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.197	88	240033	21.85	ppb	91
3) Pyridine	2.539	79	661019	23.20	ppb	98
4) N-Nitrosodimethylamine	2.501	74	399989	25.33	ppb	99
6) Indene	4.855	116	1013407	23.93	ppb	99
7) Cumene	4.058	105	1518718	23.87	ppb	97
9) Phenol	4.432	94	892761	25.65	ppb	89
10) Aniline	4.416	93	776068	22.94	ppb	98
11) bis(2-Chloroethyl)ether	4.454	93	620446	26.40	ppb	97
12) 2-Chlorophenol	4.512	128	556502	25.14	ppb	93
13) Decane	4.529	43	377889	23.43	ppb	90
14) 1,3-Dichlorobenzene	4.614	146	613984	25.17	ppb	99
15) 1,4-Dichlorobenzene	4.668	146	626127	25.44	ppb	99
16) Benzyl alcohol	4.769	108	378327	25.24	ppb	93
17) 1,2-Dichlorobenzene	4.785	146	580869	25.45	ppb	99
18) Acetophenone	4.967	105	875802	24.32	ppb	94
19) 2-Methylphenol	4.876	108	561908	25.54	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.860	45	435628	24.81	ppb	97
21) 3&4-Methylphenol	4.999	108	597385	25.59	ppb	99
22) n-Nitroso-di-n-propyla...	4.967	70	450482	27.69	ppb	95
23) Hexachloroethane	5.053	201	169122	24.85	ppb	87
26) Nitrobenzene	5.112	77	764873	26.86	ppb	98
27) Quinoline	6.101	129	1135903	23.02	ppb	98
28) Isophorone	5.309	82	1258710	26.57	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64174.D
Acq On : 7 Jun 2014 10:42 am
Operator : harpreek
Sample : cc2718-25
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 11:10:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.390	139	306319	25.91	ppb		77
30) 2,4-Dimethylphenol	5.438	107	574726	28.64	ppb		93
31) Benzoic acid	5.545	105	305757	20.78	ppb		92
32) bis(2-Chloroethoxy)met...	5.502	93	702994	26.09	ppb		99
33) 2,4-Dichlorophenol	5.630	162	420995	24.37	ppb		99
34) 2,6-Dichlorophenol	5.828	162	416338	24.69	ppb		97
35) 1,3,5-Trichlorobenzene	5.395	180	459295	22.89	ppb		95
36) 1,2,4-Trichlorobenzene	5.684	180	429943	24.46	ppb		97
37) 1,2,3-Trichlorobenzene	5.903	180	428443	22.05	ppb		96
38) Naphthalene	5.759	128	1681346	25.23	ppb		99
39) 4-Chloroaniline	5.818	127	620480	24.38	ppb		94
40) 2,3-Dichloroaniline	6.828	161	528578	22.73	ppb		98
41) Caprolactam	6.176	55	210175	24.80	ppb		98
42) Hexachlorobutadiene	5.882	225	228352	24.71	ppb		97
43) 4-Chloro-3-methylphenol	6.358	107	557003	26.12	ppb		97
44) 2-Methylnaphthalene	6.486	141	944874	25.55	ppb		96
45) 1-Methylnaphthalene	6.604	142	1106321	23.42	ppb		97
46) Dimethylnaphthalene	7.246	156	989265	23.58	ppb		95
48) Hexachlorocyclopentadiene	6.673	237	375102	45.83	ppb		96
49) 2,4,6-Trichlorophenol	6.839	196	267940	24.23	ppb		97
50) 2,4,5-Trichlorophenol	6.903	196	275894	23.89	ppb		97
52) 2-Chloronaphthalene	7.069	162	995438	24.86	ppb		97
53) Biphenyl	7.048	154	1339535	22.78	ppb		99
54) 2-Nitroaniline	7.219	65	389205	28.43	ppb		94
55) Dimethylphthalate	7.454	163	1091640	24.66	ppb		100
56) Acenaphthylene	7.604	152	1665061	24.94	ppb		99
57) 2,6-Dinitrotoluene	7.534	165	253668	25.31	ppb		91
58) 3-Nitroaniline	7.764	138	307687	24.48	ppb		93
59) Acenaphthene	7.839	153	1017079	25.02	ppb		100
60) 2,4-Dinitrophenol	7.925	184	198479	37.34	ppb	#	60
61) 4-Nitrophenol	8.101	109	202660	30.72	ppb		98
62) Dibenzofuran	8.080	168	1387577	25.26	ppb		91
63) 2,4-Dinitrotoluene	8.101	165	354434	26.82	ppb		94
64) 2,3,4,6-Tetrachlorophenol	8.289	232	202634	24.39	ppb		88
65) Diethylphthalate	8.444	149	1173424	25.66	ppb		98
66) Fluorene	8.572	166	1117834	25.33	ppb		98
67) 4-Chlorophenyl-phenyle...	8.583	204	439357	24.33	ppb		93
68) 4-Nitroaniline	8.636	138	322332	26.13	ppb		88
70) 4,6-Dinitro-2-methylph...	8.695	198	150908	23.14	ppb		83
71) n-Nitrosodiphenylamine	8.765	169	734446	25.05	ppb		96
72) 1,2-Diphenylhydrazine	8.818	77	1534002	28.22	ppb		94
74) 4-Bromophenyl-phenylether	9.305	248	212064	23.73	ppb	#	80
75) Hexachlorobenzene	9.401	284	217461	23.43	ppb		83
76) Pentachlorophenol	9.722	266	233694	47.81	ppb		98
77) Phenanthrene	10.006	178	1512226	24.58	ppb		99
78) Anthracene	10.080	178	1551875	25.40	ppb		99
79) Carbazole	10.364	167	1541885	22.98	ppb		98
80) Di-n-butylphthalate	10.968	149	1958897	26.52	ppb		98
81) Fluoranthene	11.862	202	1428462	24.51	ppb		95
82) Octadecane	9.904	57	697369	25.66	ppb		96

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64174.D
Acq On : 7 Jun 2014 10:42 am
Operator : harpreek
Sample : cc2718-25
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 11:10:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.215	202	1508031	27.00	ppb	100
86) Butylbenzylphthalate	13.338	149	862024	29.17	ppb	89
87) Butyl stearate	13.504	56	450421	31.82	ppb	88
88) Benzo[a]anthracene	14.135	228	1197162	25.47	ppb	98
89) 3,3'-Dichlorobenzidine	14.140	252	400369	26.12	ppb	97
90) Chrysene	14.188	228	1152744	25.13	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.295	149	1141521	28.40	ppb	98
93) Di-n-octylphthalate	15.279	149	1887472	30.14	ppb	99
94) Benzo[b]fluoranthene	15.745	252	1062017	26.77	ppb	96
95) Benzo[k]fluoranthene	15.782	252	920382	24.12	ppb	97
96) Benzo[a]pyrene	16.183	252	847333	24.48	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.782	276	994690	24.13	ppb	97
98) Dibenz(a,h)acridine	17.429	279	713215	21.83	ppb	99
99) Dibenz[a,h]anthracene	17.809	278	826457	23.99	ppb	94
100) 7,12-Dimethylbenz(a)an...	15.739	256	440822	25.92	ppb	92
101) Benzo[g,h,i]perylene	18.216	276	772535	23.34	ppb	97

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

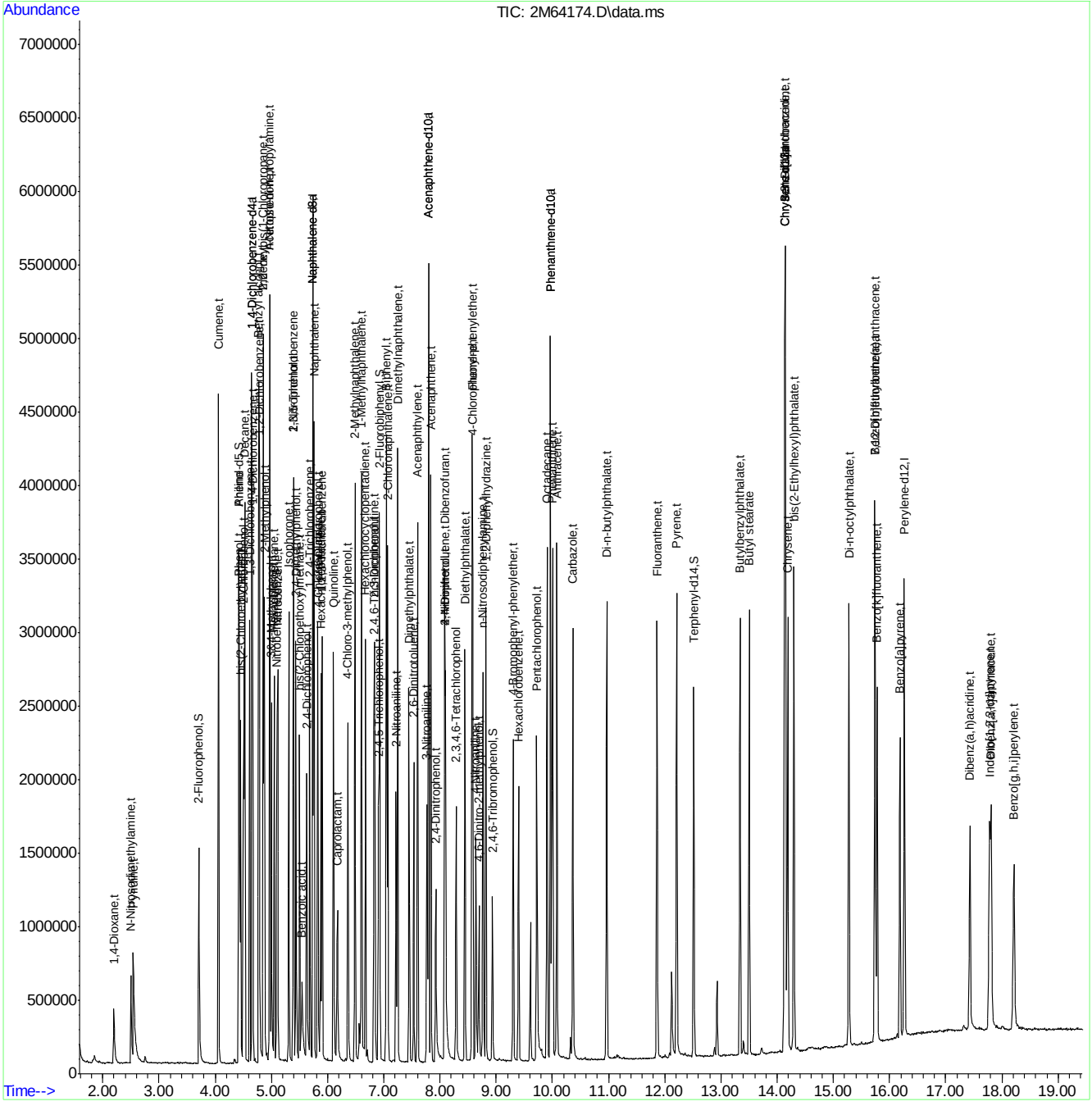
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64174.D
Acq On : 7 Jun 2014 10:42 am
Operator : harpreek
Sample : cc2718-25
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 11:10:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64175.D
Acq On : 7 Jun 2014 11:13 am
Operator : harpreek
Sample : cc2719-25
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 11:33:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration

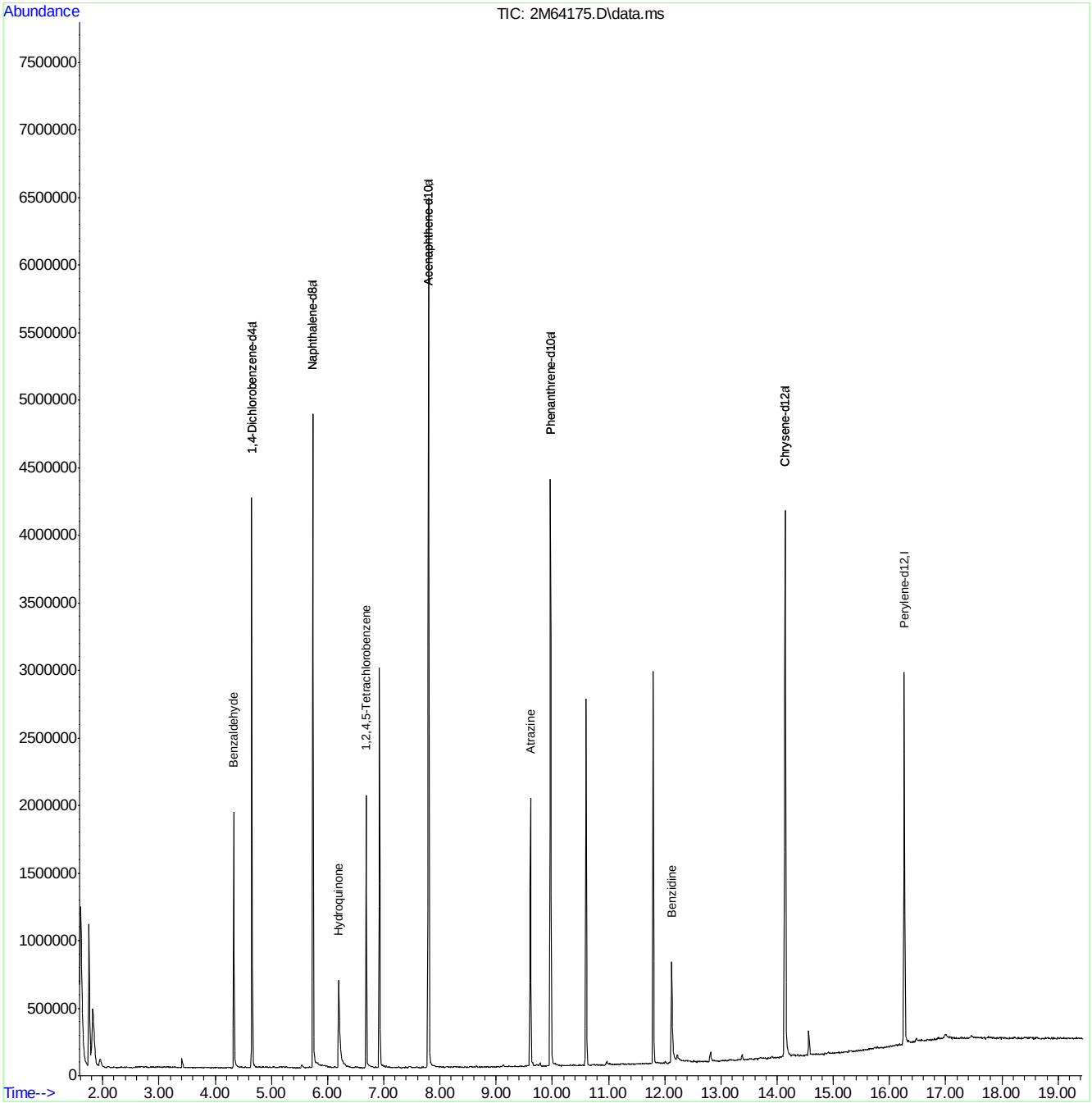
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.651	152	502722	40.00	ppb	-0.04
24) Naphthalene-d8	5.737	136	1941865	40.00	ppb	-0.05
47) Acenaphthene-d10	7.796	164	1177757	40.00	ppb	-0.06
69) Phenanthrene-d10	9.968	188	1757214	40.00	ppb	-0.07
83) Chrysene-d12	14.145	240	1361733	40.00	ppb	-0.07
92) Perylene-d12	16.263	264	1013475	40.00	ppb	-0.06
102) 1,4-Dichlorobenzene-d4a	4.651	152	502722	40.00	ppb	-0.04
104) Acenaphthene-d10a	7.796	164	1177757	40.00	ppb	-0.06
106) Chrysene-d12a	14.145	240	1361733	40.00	ppb	-0.06
108) Phenanthrene-d10a	9.968	188	1757214	40.00	ppb	-0.06
110) Naphthalene-d8a	5.737	136	1941865	40.00	ppb	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.331	105	351992	22.70	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.689	216	291828	22.24	ppb	99
107) Benzidine	12.124	184	451687	16.96	ppb	98
109) Atrazine	9.610	215	111754	24.41	ppb	93
111) Hydroquinone	6.197	110	511801	27.19	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2723\
Data File : 2M64175.D
Acq On : 7 Jun 2014 11:13 am
Operator : harpreek
Sample : cc2719-25
Misc : op75065,E2M2723,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 11:33:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2718.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed Jun 04 14:51:44 2014
QLast Update : Wed Jun 04 14:51:44 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/16/14 12:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64366.D
Acq On : 12 Jun 2014 5:08 pm
Operator : saumilp
Sample : IC2729-100
Misc : op75065,E2M2729
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 09:55:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 12 09:28:37 2014
QLast Update : Thu Jun 12 09:28:37 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	253818	40.00	ppb	-0.03
24) Naphthalene-d8	5.882	136	1067014	40.00	ppb	-0.03
47) Acenaphthene-d10	7.962	164	590929	40.00	ppb	-0.04
69) Phenanthrene-d10	10.139	188	925405	40.00	ppb	-0.04
83) Chrysene-d12	14.322	240	793582	40.00	ppb	-0.04
92) Perylene-d12	16.424	264	677377	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	4.769	152	253818	40.00	ppb	-0.03
104) Acenaphthene-d10a	7.962	164	590929	40.00	ppb	-0.04
107) Chrysene-d12a	14.322	240	793582	40.00	ppb	-0.04
110) Phenanthrene-d10a	10.139	188	925405	40.00	ppb	-0.04
113) Naphthalene-d8a	5.882	136	1067014	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.780	112	926916	97.49	ppb	-0.02
Spiked Amount 50.000			Recovery =	194.98%		
8) Phenol-d5	4.496	99	1140587	92.89	ppb	-0.02
Spiked Amount 50.000			Recovery =	185.78%		
25) Nitrobenzene-d5	5.218	82	1007233	96.53	ppb	-0.03
Spiked Amount 50.000			Recovery =	193.06%		
51) 2-Fluorobiphenyl	7.085	172	1745304	88.17	ppb	-0.04
Spiked Amount 50.000			Recovery =	176.34%		
73) 2,4,6-Tribromophenol	9.096	330	222078	104.68	ppb	-0.04
Spiked Amount 50.000			Recovery =	209.36%		
85) Terphenyl-d14	12.696	244	1715451	99.06	ppb	-0.04
Spiked Amount 50.000			Recovery =	198.12%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.330	88	471907	96.89	ppb	96
3) Pyridine	2.640	79	1138513	97.99	ppb	99
4) N-Nitrosodimethylamine	2.614	74	646304	98.69	ppb	96
6) Indene	4.978	116	1275570	74.02	ppb	99
7) Cumene	4.170	105	2260005	88.93	ppb	98
9) Phenol	4.507	94	1213706	83.52	ppb	84
10) Aniline	4.518	93	1426811	83.35	ppb	99
11) bis(2-Chloroethyl)ether	4.566	93	875305	89.07	ppb	98
12) 2-Chlorophenol	4.614	128	934205	87.89	ppb	98
13) Decane	4.646	43	532153	75.43	ppb	97
14) 1,3-Dichlorobenzene	4.726	146	1013367	89.14	ppb	100
15) 1,4-Dichlorobenzene	4.785	146	998057	86.47	ppb	98
16) Benzyl alcohol	4.882	108	675699	94.01	ppb	97
17) 1,2-Dichlorobenzene	4.908	146	924561	86.45	ppb	98
18) Acetophenone	5.095	105	1035738	72.88	ppb	87
19) 2-Methylphenol	4.967	108	769869	78.91	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.983	45	662319	73.11	ppb	95
21) 3&4-Methylphenol	5.095	108	695241	72.10	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64366.D
Acq On : 12 Jun 2014 5:08 pm
Operator : saumilp
Sample : IC2729-100
Misc : op75065,E2M2729
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 09:55:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 12 09:28:37 2014
QLast Update : Thu Jun 12 09:28:37 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.101	70	472433	76.71	ppb	98
23) Hexachloroethane	5.186	201	306157	103.73	ppb	90
26) Nitrobenzene	5.240	77	1023561	91.50	ppb	99
27) Quinoline	6.256	129	2023776	95.55	ppb	100
28) Isophorone	5.448	82	1825297	91.31	ppb	98
29) 2-Nitrophenol	5.518	139	523403	95.38	ppb	91
30) 2,4-Dimethylphenol	5.555	107	974300	92.17	ppb	97
31) Benzoic acid	5.689	105	881103m	109.87	ppb	
32) bis(2-Chloroethoxy)met...	5.636	93	1002072	86.89	ppb	99
33) 2,4-Dichlorophenol	5.743	162	736747	98.22	ppb	97
34) 2,6-Dichlorophenol	5.967	162	694270	91.51	ppb	98
35) 1,3,5-Trichlorobenzene	5.529	180	776103	89.03	ppb	99
36) 1,2,4-Trichlorobenzene	5.823	180	764754	92.16	ppb	97
37) 1,2,3-Trichlorobenzene	6.048	180	754183	90.89	ppb	99
38) Naphthalene	5.903	128	2655688	84.48	ppb	99
39) 4-Chloroaniline	5.957	127	1111164	82.62	ppb	98
40) 2,3-Dichloroaniline	6.978	161	833708	87.58	ppb	99
41) Caprolactam	6.352	55	385338	102.04	ppb	96
42) Hexachlorobutadiene	6.031	225	366571	91.28	ppb	97
43) 4-Chloro-3-methylphenol	6.475	107	891078	101.72	ppb	99
44) 2-Methylnaphthalene	6.641	141	1501909	86.22	ppb	97
45) 1-Methylnaphthalene	6.759	142	1733671	84.55	ppb	98
46) Dimethylnaphthalene	7.411	156	1576355	86.91	ppb	98
48) Hexachlorocyclopentadiene	6.839	237	850810	213.11	ppb	99
49) 2,4,6-Trichlorophenol	6.984	196	472303	100.08	ppb	98
50) 2,4,5-Trichlorophenol	7.032	196	544528	107.26	ppb	99
52) 2-Chloronaphthalene	7.235	162	1618830	84.91	ppb	99
53) Biphenyl	7.214	154	2087488	81.83	ppb	99
54) 2-Nitroaniline	7.369	65	528110	100.94	ppb	98
55) Dimethylphthalate	7.620	163	1788194	91.69	ppb	99
56) Acenaphthylene	7.770	152	2698620	88.73	ppb	100
57) 2,6-Dinitrotoluene	7.695	165	455263	105.22	ppb	96
58) 3-Nitroaniline	7.920	138	579565	101.55	ppb	99
59) Acenaphthene	8.010	153	1611533	84.26	ppb	95
60) 2,4-Dinitrophenol	8.064	184	548412	197.61	ppb	90
61) 4-Nitrophenol	8.176	109	311506	112.10	ppb	90
62) Dibenzofuran	8.257	168	2136261	82.71	ppb	99
63) 2,4-Dinitrotoluene	8.251	165	559934	96.38	ppb	93
64) 2,3,4,6-Tetrachlorophenol	8.438	232	413421	105.01	ppb	95
65) Diethylphthalate	8.626	149	1790790	90.99	ppb	99
66) Fluorene	8.743	166	1757437	85.52	ppb	99
67) 4-Chlorophenyl-phenyle...	8.759	204	783602	91.97	ppb	96
68) 4-Nitroaniline	8.802	138	584659	100.89	ppb	94
70) 4,6-Dinitro-2-methylph...	8.840	198	363890	110.48	ppb	98
71) n-Nitrosodiphenylamine	8.941	169	1262785	87.81	ppb	99
72) 1,2-Diphenylhydrazine	8.995	77	1983428	86.45	ppb	98
74) 4-Bromophenyl-phenylether	9.487	248	418513	93.56	ppb	98
75) Hexachlorobenzene	9.567	284	497287	96.94	ppb	92
76) Pentachlorophenol	9.877	266	636303	204.50	ppb	99
77) Phenanthrene	10.182	178	2535709	83.87	ppb	100

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64366.D
Acq On : 12 Jun 2014 5:08 pm
Operator : saumilp
Sample : IC2729-100
Misc : op75065,E2M2729
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 09:55:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 12 09:28:37 2014
QLast Update : Thu Jun 12 09:28:37 2014
Response via : Initial Calibration

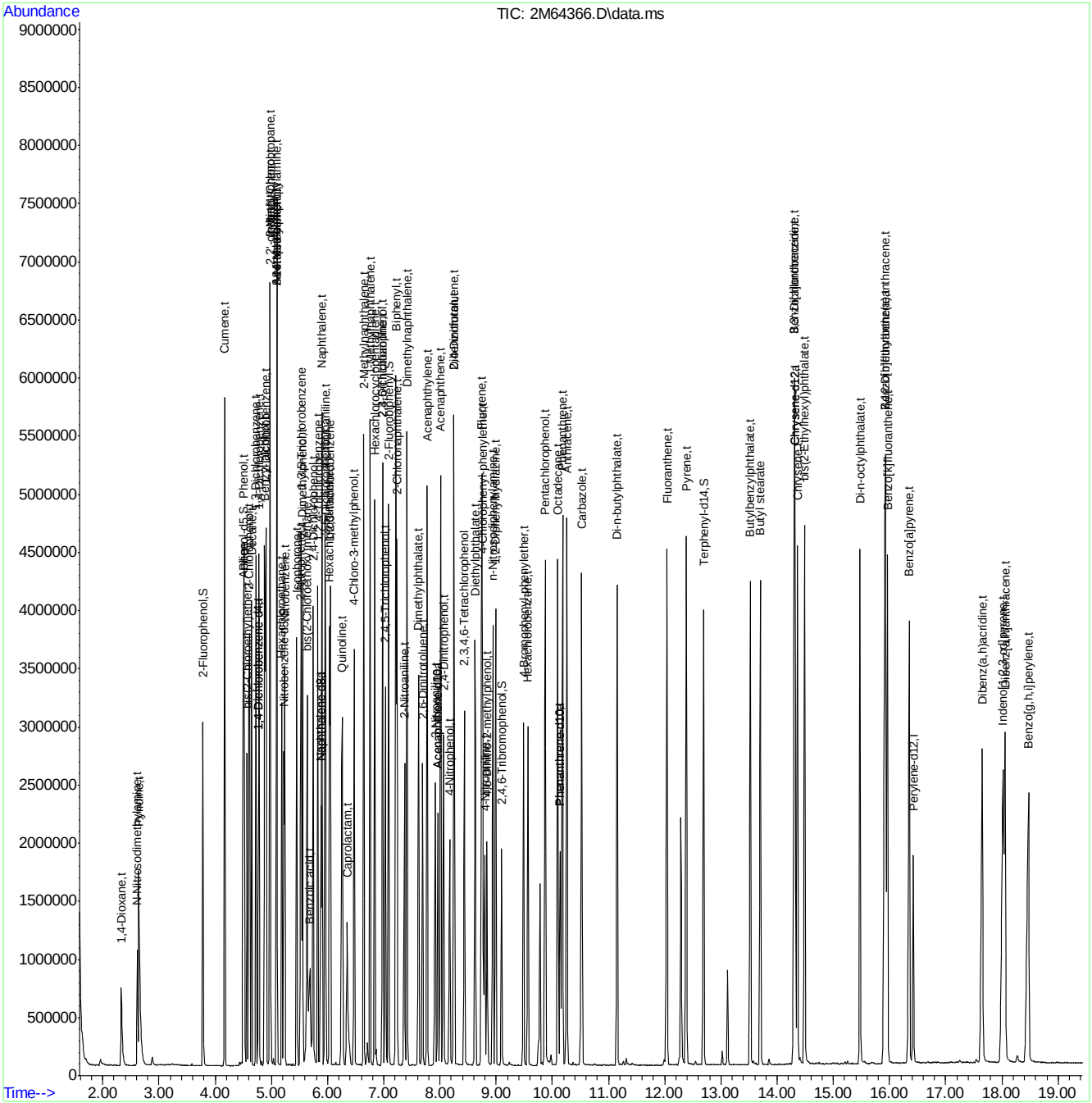
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.257	178	2614587	87.05	ppb	99
79) Carbazole	10.524	167	2572771	86.74	ppb	99
80) Di-n-butylphthalate	11.150	149	3012798	93.61	ppb	99
81) Fluoranthene	12.038	202	2604101	94.67	ppb	95
82) Octadecane	10.096	57	978548	80.08	ppb	97
84) Pyrene	12.386	202	2724442	98.11	ppb	99
86) Butylbenzylphthalate	13.525	149	1355404	106.23	ppb	97
87) Butyl stearate	13.701	56	661461	94.01	ppb	87
88) Benzo[a]anthracene	14.306	228	2255228	87.59	ppb	98
89) 3,3'-Dichlorobenzidine	14.311	252	830116	107.25	ppb	98
90) Chrysene	14.365	228	2253286	86.52	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.488	149	1864864	107.84	ppb	99
93) Di-n-octylphthalate	15.472	149	3231415	121.98	ppb	99
94) Benzo[b]fluoranthene	15.916	252	2548988	108.15	ppb	96
95) Benzo[k]fluoranthene	15.964	252	2158145	89.75	ppb	97
96) Benzo[a]pyrene	16.354	252	2147483	106.50	ppb	96
97) Indeno[1,2,3-cd]pyrene	18.018	276	2185117	107.05	ppb	97
98) Dibenz(a,h)acridine	17.649	279	1885778	107.59	ppb	100
99) Dibenz[a,h]anthracene	18.061	278	2176417	104.61	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.926	256	1146112	114.64	ppb	96
101) Benzo[g,h,i]perylene	18.472	276	2018211	99.62	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64366.D
Acq On : 12 Jun 2014 5:08 pm
Operator : saumilp
Sample : IC2729-100
Misc : op75065,E2M2729
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 09:55:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 12 09:28:37 2014
QLast Update : Thu Jun 12 09:28:37 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

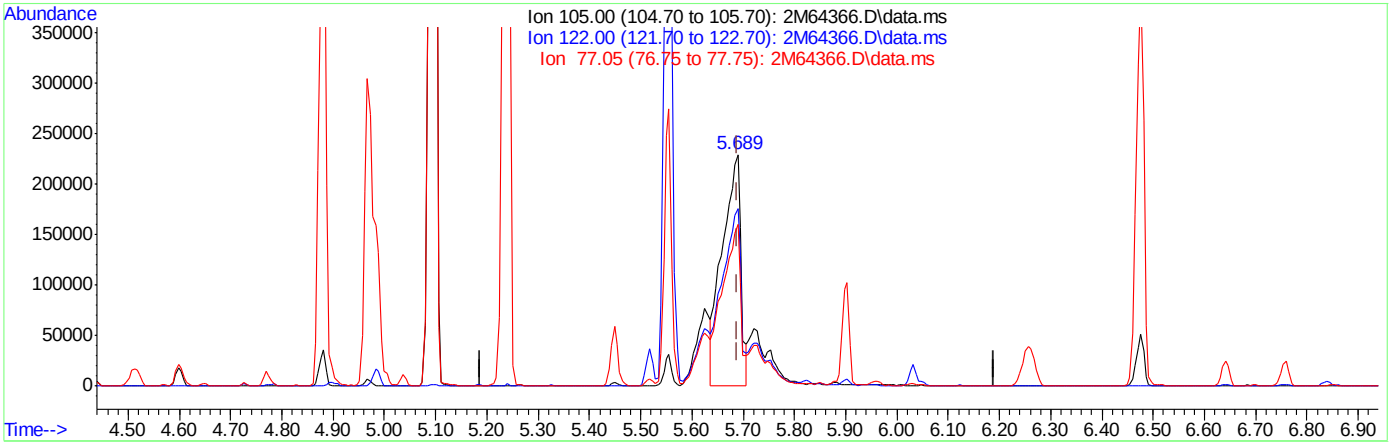
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64366.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 17:08	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

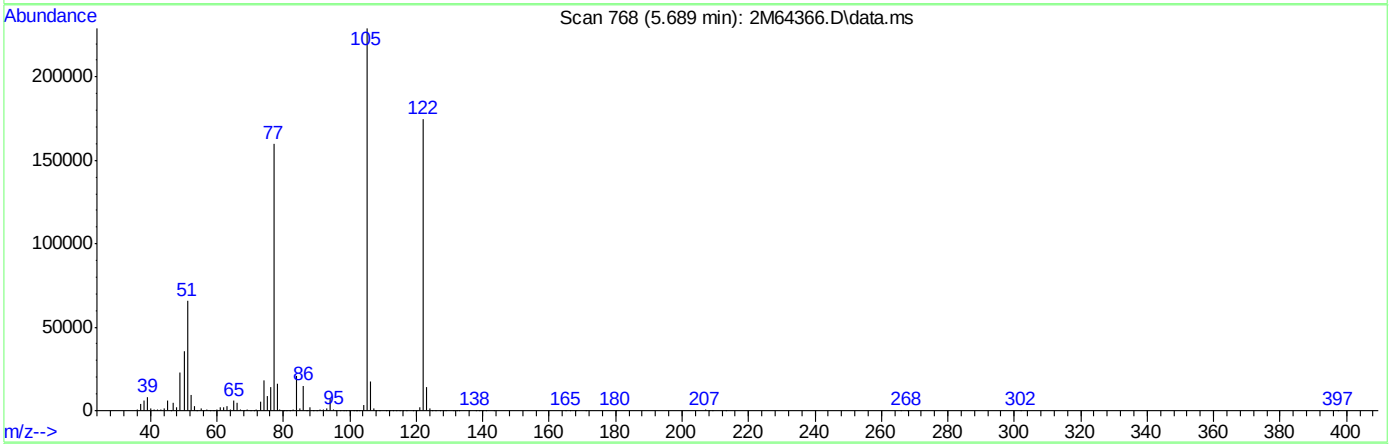
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.69	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64366.D
Acq On : 12 Jun 2014 5:08 pm
Operator : saumilp
Sample : IC2729-100
Misc : op75065,E2M2729
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 17:28:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 12 09:28:37 2014
QLast Update : Thu Jun 12 09:28:37 2014
Response via : Initial Calibration





TIC: 2M64366.D\data.ms

(31) Benzoic acid (t)

5.689min (+0.000) 71.86ppb

response 576289

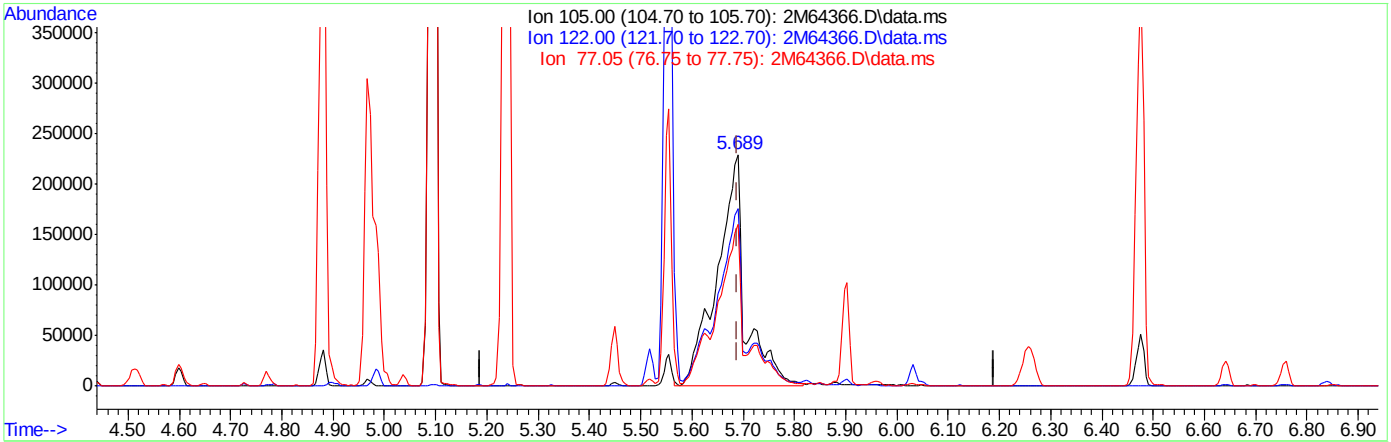
Ion	Exp%	Act%
105.00	100	100
122.00	78.20	75.83
77.05	68.90	69.28
0.00	0.00	0.00

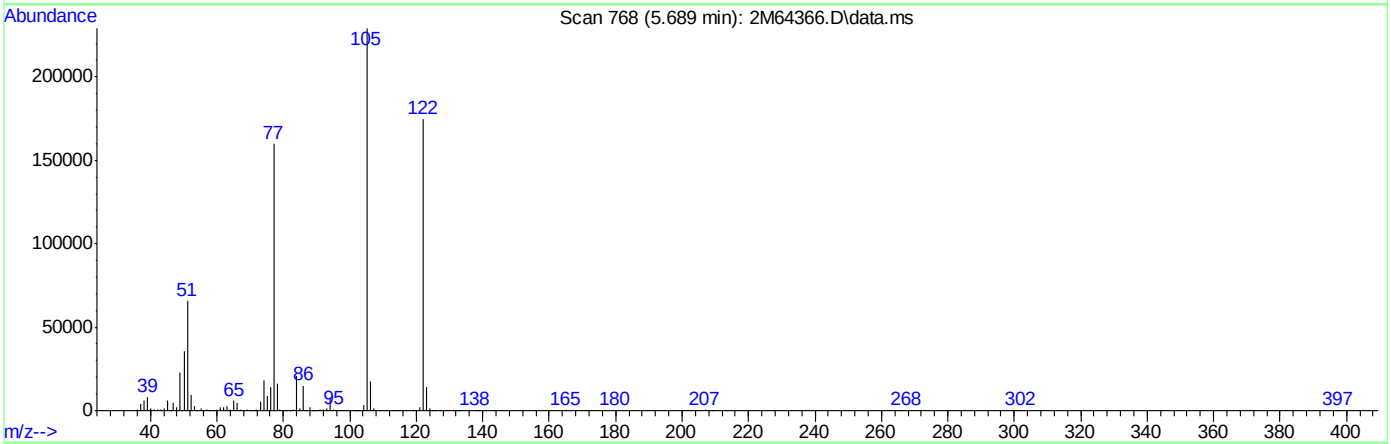
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64366.D
Acq On : 12 Jun 2014 5:08 pm
Operator : saumilp
Sample : IC2729-100
Misc : op75065,E2M2729
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 09:55:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 12 09:28:37 2014
QLast Update : Thu Jun 12 09:28:37 2014
Response via : Initial Calibration





TIC: 2M64366.D\data.ms

(31) Benzoic acid (t)

5.689min (+0.000) 109.87ppb m

response 881103

Ion	Exp%	Act%
105.00	100	100
122.00	78.20	76.40
77.05	68.90	69.75
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/16/14 12:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64367.D
Acq On : 12 Jun 2014 5:35 pm
Operator : saumilp
Sample : IC2729-80
Misc : op75065,E2M2729
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 09:58:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:57:11 2014
QLast Update : Fri Jun 13 09:57:11 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	256501	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1068722	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	595819	40.00	ppb	0.00
69) Phenanthrene-d10	10.139	188	928271	40.00	ppb	0.00
83) Chrysene-d12	14.322	240	792735	40.00	ppb	0.00
92) Perylene-d12	16.424	264	662731	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	256501	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	595819	40.00	ppb	0.00
107) Chrysene-d12a	14.322	240	792735	40.00	ppb	0.00
110) Phenanthrene-d10a	10.139	188	928271	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1068722	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.780	112	780034	83.27	ppb	0.00
Spiked Amount 50.000			Recovery =	166.54%		
8) Phenol-d5	4.491	99	976433	84.71	ppb	0.00
Spiked Amount 50.000			Recovery =	169.42%		
25) Nitrobenzene-d5	5.218	82	842041	83.47	ppb	0.00
Spiked Amount 50.000			Recovery =	166.94%		
51) 2-Fluorobiphenyl	7.085	172	1471163	83.60	ppb	0.00
Spiked Amount 50.000			Recovery =	167.20%		
73) 2,4,6-Tribromophenol	9.096	330	180646	81.09	ppb	0.00
Spiked Amount 50.000			Recovery =	162.18%		
85) Terphenyl-d14	12.691	244	1407530	82.14	ppb	0.00
Spiked Amount 50.000			Recovery =	164.28%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.330	88	390152	81.81	ppb	98
3) Pyridine	2.640	79	950070	82.58	ppb	99
4) N-Nitrosodimethylamine	2.614	74	537416	82.28	ppb	96
6) Indene	4.972	116	1159084	89.92	ppb	99
7) Cumene	4.170	105	1941692	85.02	ppb	98
9) Phenol	4.507	94	1077850	87.88	ppb	84
10) Aniline	4.518	93	1249381	86.65	ppb	99
11) bis(2-Chloroethyl)ether	4.566	93	734782	83.07	ppb	98
12) 2-Chlorophenol	4.614	128	797414	84.46	ppb	98
13) Decane	4.646	43	478708	89.02	ppb	99
14) 1,3-Dichlorobenzene	4.726	146	854539	83.44	ppb	99
15) 1,4-Dichlorobenzene	4.780	146	859833	85.25	ppb	100
16) Benzyl alcohol	4.876	108	583036	85.38	ppb	94
17) 1,2-Dichlorobenzene	4.903	146	787267	84.26	ppb	97
18) Acetophenone	5.095	105	926689	88.54	ppb	97
19) 2-Methylphenol	4.967	108	695187	89.35	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.983	45	599544	89.58	ppb	99
21) 3&4-Methylphenol	5.090	108	631671	89.91	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64367.D
Acq On : 12 Jun 2014 5:35 pm
Operator : saumilp
Sample : IC2729-80
Misc : op75065,E2M2729
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 09:58:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:57:11 2014
QLast Update : Fri Jun 13 09:57:11 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.095	70	411883	86.27	ppb	98
23) Hexachloroethane	5.181	201	261214	84.43	ppb	100
26) Nitrobenzene	5.235	77	875877	85.43	ppb	95
27) Quinoline	6.251	129	1682660	83.01	ppb	100
28) Isophorone	5.443	82	1546596	84.60	ppb	96
29) 2-Nitrophenol	5.518	139	448863	85.62	ppb	90
30) 2,4-Dimethylphenol	5.550	107	824489	84.49	ppb	97
31) Benzoic acid	5.678	105	722921m	81.92	ppb	
32) bis(2-Chloroethoxy)met...	5.636	93	844237	84.11	ppb	99
33) 2,4-Dichlorophenol	5.743	162	622484	84.36	ppb	97
34) 2,6-Dichlorophenol	5.962	162	596322	85.75	ppb	98
35) 1,3,5-Trichlorobenzene	5.529	180	665172	85.57	ppb	99
36) 1,2,4-Trichlorobenzene	5.823	180	643890	84.06	ppb	99
37) 1,2,3-Trichlorobenzene	6.048	180	640295	84.76	ppb	99
38) Naphthalene	5.898	128	2274233	85.50	ppb	99
39) 4-Chloroaniline	5.951	127	963706	86.59	ppb	99
40) 2,3-Dichloroaniline	6.973	161	716592	85.82	ppb	100
41) Caprolactam	6.342	55	322329	83.51	ppb	98
42) Hexachlorobutadiene	6.031	225	310843	84.66	ppb	98
43) 4-Chloro-3-methylphenol	6.470	107	750156	84.05	ppb	97
44) 2-Methylnaphthalene	6.641	141	1269595	84.40	ppb	98
45) 1-Methylnaphthalene	6.759	142	1480143	85.24	ppb	97
46) Dimethylnaphthalene	7.411	156	1331965	84.36	ppb	99
48) Hexachlorocyclopentadiene	6.839	237	709466	165.41	ppb	99
49) 2,4,6-Trichlorophenol	6.984	196	398665	83.72	ppb	98
50) 2,4,5-Trichlorophenol	7.026	196	444604	80.98	ppb	98
52) 2-Chloronaphthalene	7.230	162	1396339	85.55	ppb	99
53) Biphenyl	7.208	154	1782585	84.69	ppb	99
54) 2-Nitroaniline	7.363	65	440589	82.74	ppb	96
55) Dimethylphthalate	7.620	163	1512403	83.88	ppb	99
56) Acenaphthylene	7.770	152	2291368	84.21	ppb	100
57) 2,6-Dinitrotoluene	7.690	165	380301	82.85	ppb	98
58) 3-Nitroaniline	7.914	138	480243	82.18	ppb	100
59) Acenaphthene	8.010	153	1369705	84.30	ppb	96
60) 2,4-Dinitrophenol	8.059	184	451562	163.33	ppb	89
61) 4-Nitrophenol	8.171	109	256312	81.61	ppb	91
62) Dibenzofuran	8.251	168	1836778	85.28	ppb	99
63) 2,4-Dinitrotoluene	8.246	165	479897	85.00	ppb	93
64) 2,3,4,6-Tetrachlorophenol	8.433	232	339286	81.39	ppb	98
65) Diethylphthalate	8.626	149	1502263	83.20	ppb	98
66) Fluorene	8.743	166	1503851	84.87	ppb	100
67) 4-Chlorophenyl-phenyle...	8.759	204	661727	83.75	ppb	94
68) 4-Nitroaniline	8.791	138	489070	82.96	ppb	94
70) 4,6-Dinitro-2-methylph...	8.834	198	298770	81.85	ppb	98
71) n-Nitrosodiphenylamine	8.936	169	1061732	83.82	ppb	99
72) 1,2-Diphenylhydrazine	8.989	77	1676754	84.28	ppb	95
74) 4-Bromophenyl-phenylether	9.487	248	349084	83.15	ppb	99
75) Hexachlorobenzene	9.567	284	408206	81.83	ppb	93
76) Pentachlorophenol	9.872	266	529907	166.04	ppb	99
77) Phenanthrene	10.177	178	2148773	84.48	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64367.D
Acq On : 12 Jun 2014 5:35 pm
Operator : saumilp
Sample : IC2729-80
Misc : op75065,E2M2729
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 09:58:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:57:11 2014
QLast Update : Fri Jun 13 09:57:11 2014
Response via : Initial Calibration

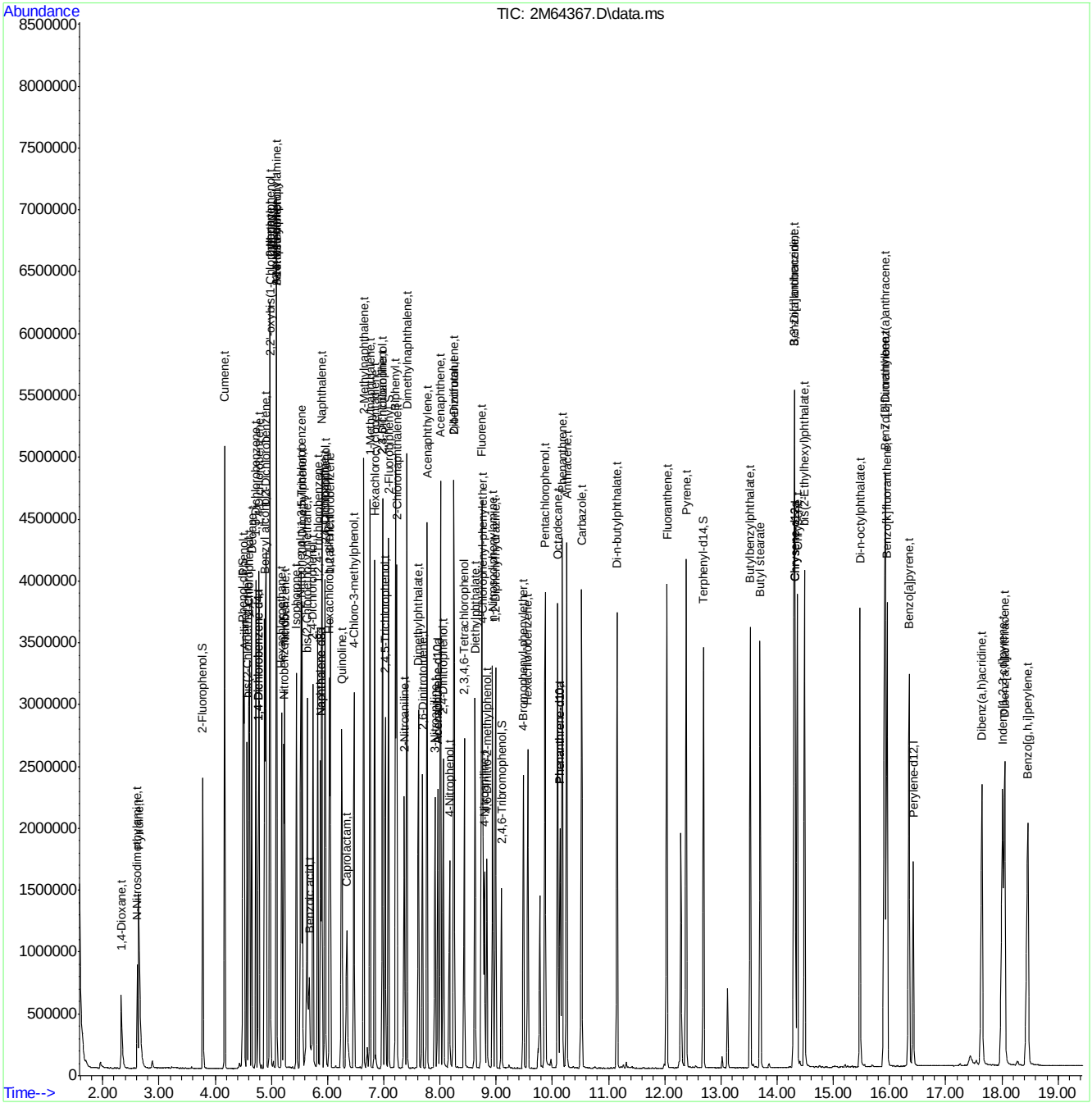
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.257	178	2198457	83.82	ppb	99
79) Carbazole	10.524	167	2154704	83.49	ppb	99
80) Di-n-butylphthalate	11.150	149	2509556	83.04	ppb	100
81) Fluoranthene	12.038	202	2149341	82.28	ppb	95
82) Octadecane	10.096	57	855279	87.13	ppb	98
84) Pyrene	12.386	202	2262454	83.13	ppb	99
86) Butylbenzylphthalate	13.525	149	1121164	82.81	ppb	98
87) Butyl stearate	13.696	56	576853	87.30	ppb	96
88) Benzo[a]anthracene	14.300	228	1896258	84.17	ppb	99
89) 3,3'-Dichlorobenzidine	14.306	252	705075	85.03	ppb	98
90) Chrysene	14.365	228	1864014	82.81	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.488	149	1559834	83.73	ppb	100
93) Di-n-octylphthalate	15.472	149	2685879	84.95	ppb	100
94) Benzo[b]fluoranthene	15.910	252	2048738	82.15	ppb	98
95) Benzo[k]fluoranthene	15.959	252	1814715	85.95	ppb	97
96) Benzo[a]pyrene	16.354	252	1743577	82.99	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.012	276	1783440	83.42	ppb	97
98) Dibenz(a,h)acridine	17.649	279	1543430	83.65	ppb	100
99) Dibenz[a,h]anthracene	18.050	278	1769969	83.12	ppb	100
100) 7,12-Dimethylbenz(a)an...	15.921	256	950737	84.79	ppb	96
101) Benzo[g,h,i]perylene	18.462	276	1649993	83.56	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64367.D
Acq On : 12 Jun 2014 5:35 pm
Operator : saumilp
Sample : IC2729-80
Misc : op75065,E2M2729
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 09:58:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:57:11 2014
QLast Update : Fri Jun 13 09:57:11 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

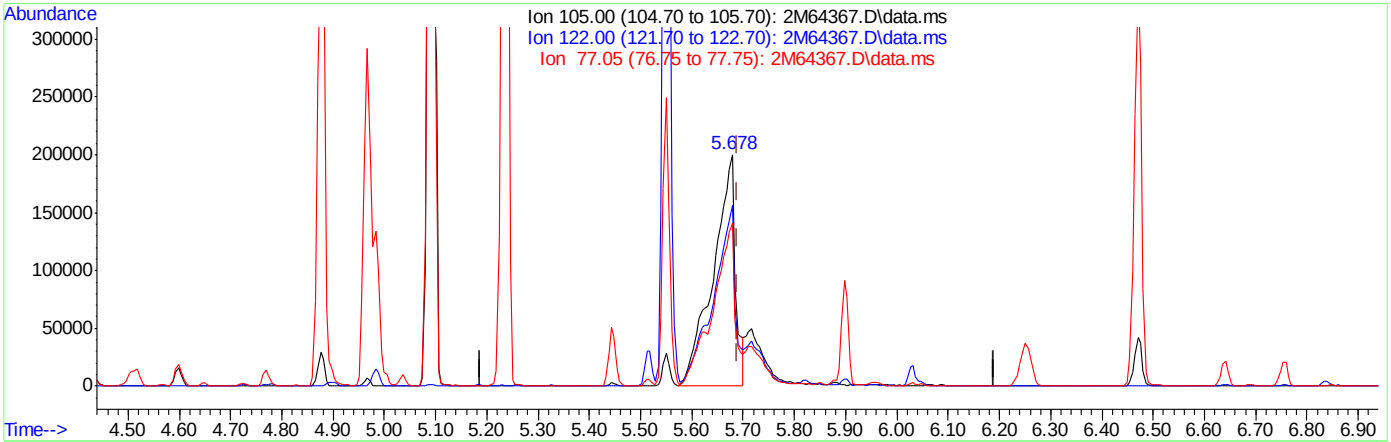
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64367.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 17:35	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

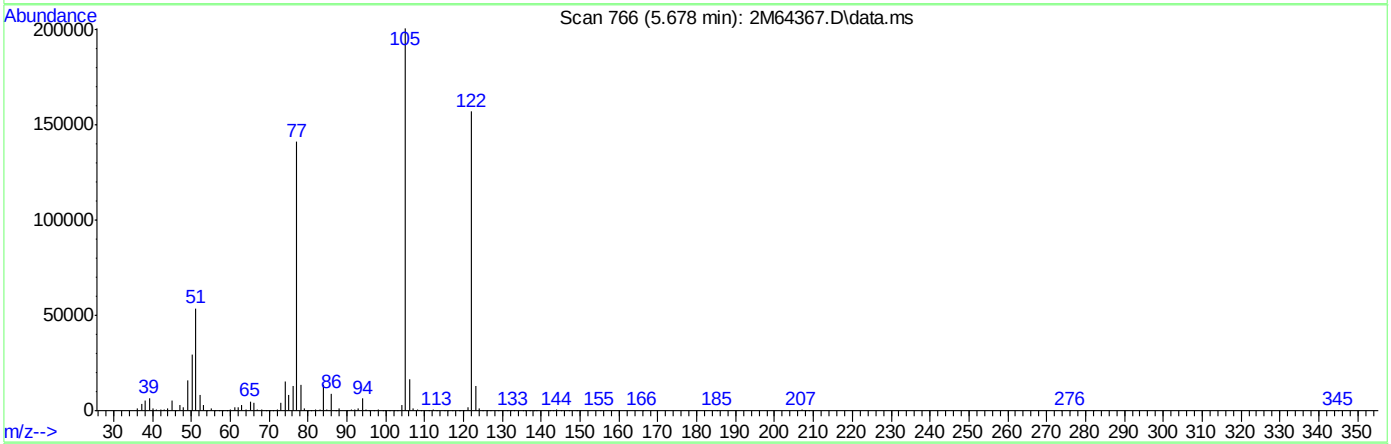
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.68	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64367.D
Acq On : 12 Jun 2014 5:35 pm
Operator : saumilp
Sample : IC2729-80
Misc : op75065,E2M2729
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 09:57:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:57:11 2014
QLast Update : Fri Jun 13 09:57:11 2014
Response via : Initial Calibration





TIC: 2M64367.D\data.ms

(31) Benzoic acid (t)

5.678min (-0.011) 67.83ppb

response 598637

Ion	Exp%	Act%
105.00	100	100
122.00	78.20	75.44
77.05	68.90	69.98
0.00	0.00	0.00

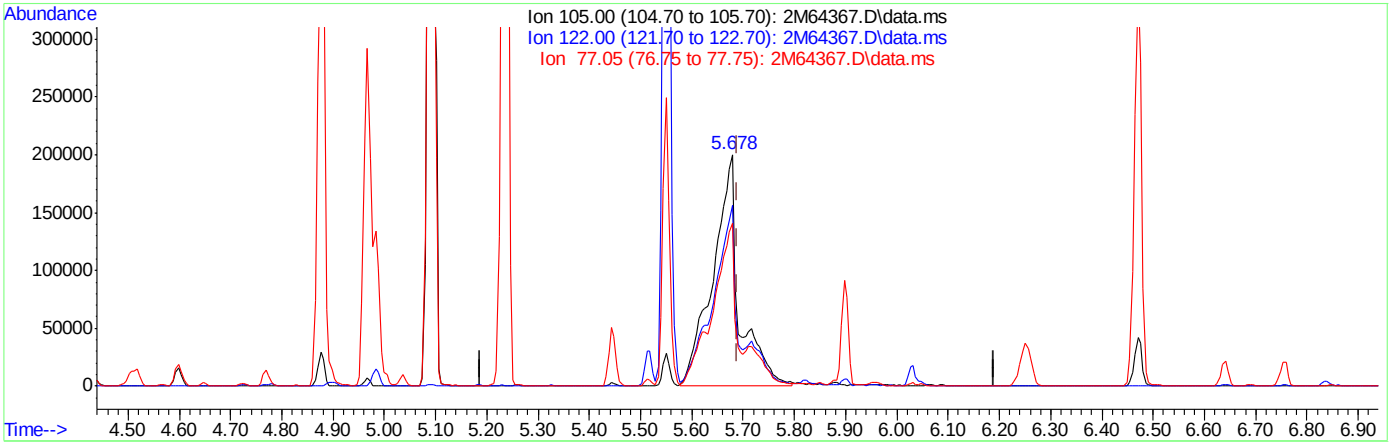
9.6.30.2

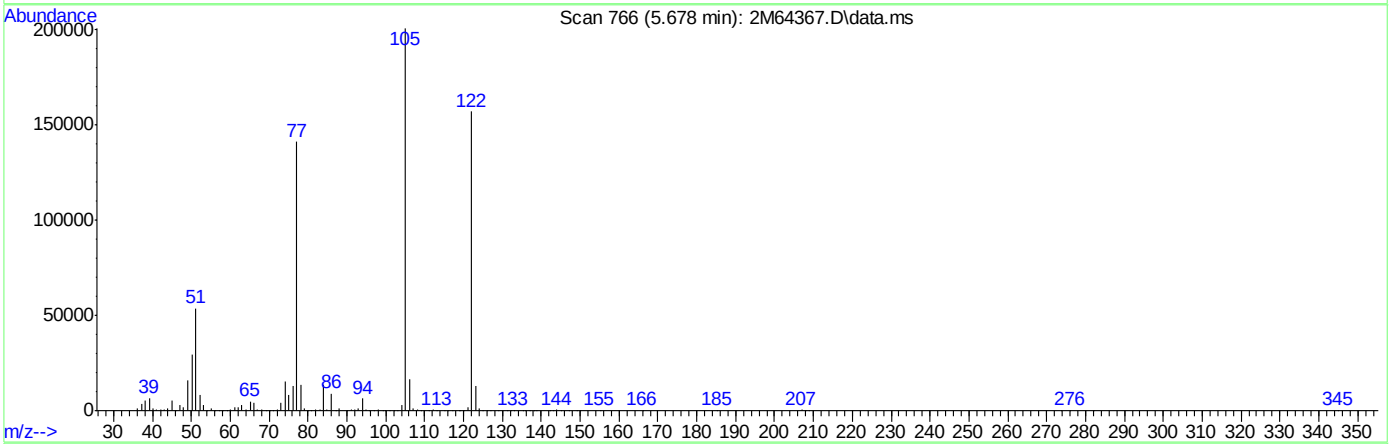
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64367.D
Acq On : 12 Jun 2014 5:35 pm
Operator : saumilp
Sample : IC2729-80
Misc : op75065,E2M2729
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 09:58:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:57:11 2014
QLast Update : Fri Jun 13 09:57:11 2014
Response via : Initial Calibration





TIC: 2M64367.D\data.ms

(31) Benzoic acid (t)

5.678min (-0.011) 81.92ppb m

response 722921

Ion	Exp%	Act%
105.00	100	100
122.00	78.20	78.24
77.05	68.90	70.35
0.00	0.00	0.00

9.6.30.3

9

ACCUTEST LABORATORIES JB68318

2M64367.D edits: Benzoic acid

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64368.D
Acq On : 12 Jun 2014 6:01 pm
Operator : saumilp
Sample : ICC2729-50
Misc : op75065,E2M2729
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 09:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 09:58:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	239285	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	978580	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	543265	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	842313	40.00	ppb	0.00
83) Chrysene-d12	14.316	240	725857	40.00	ppb	0.00
92) Perylene-d12	16.418	264	635119	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	239285	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	543265	40.00	ppb	0.00
107) Chrysene-d12a	14.316	240	725857	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	842313	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	978580	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.774	112	475276	53.30	ppb	0.00
Spiked Amount 50.000			Recovery = 106.60%			
8) Phenol-d5	4.491	99	606112	54.76	ppb	0.00
Spiked Amount 50.000			Recovery = 109.52%			
25) Nitrobenzene-d5	5.213	82	510788	54.12	ppb	0.00
Spiked Amount 50.000			Recovery = 108.24%			
51) 2-Fluorobiphenyl	7.080	172	896676	54.65	ppb	0.00
Spiked Amount 50.000			Recovery = 109.30%			
73) 2,4,6-Tribromophenol	9.091	330	99673	48.98	ppb	0.00
Spiked Amount 50.000			Recovery = 97.96%			
85) Terphenyl-d14	12.690	244	838364	52.73	ppb	0.00
Spiked Amount 50.000			Recovery = 105.46%			
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
112) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.330	88	236822	52.64	ppb	98
3) Pyridine	2.646	79	571354	52.39	ppb	99
4) N-Nitrosodimethylamine	2.614	74	325415	52.66	ppb	97
6) Indene	4.972	116	802785	62.86	ppb	99
7) Cumene	4.170	105	1241810	56.51	ppb	98
9) Phenol	4.502	94	691241	57.58	ppb	97
10) Aniline	4.518	93	802700	57.29	ppb	99
11) bis(2-Chloroethyl)ether	4.561	93	458470	54.51	ppb	97
12) 2-Chlorophenol	4.609	128	498731	55.09	ppb	96
13) Decane	4.646	43	317417	59.90	ppb	99
14) 1,3-Dichlorobenzene	4.726	146	540561	55.39	ppb	99
15) 1,4-Dichlorobenzene	4.780	146	538615	55.43	ppb	100
16) Benzyl alcohol	4.876	108	365134	55.45	ppb	99
17) 1,2-Dichlorobenzene	4.903	146	504711	56.40	ppb	98
18) Acetophenone	5.090	105	631291	61.38	ppb	97
19) 2-Methylphenol	4.962	108	464522	60.47	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.983	45	399352	60.35	ppb	100
21) 3&4-Methylphenol	5.085	108	442522	63.58	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64368.D
Acq On : 12 Jun 2014 6:01 pm
Operator : saumilp
Sample : ICC2729-50
Misc : op75065,E2M2729
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 09:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 09:58:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.090	70	276364	59.71	ppb	98
23) Hexachloroethane	5.181	201	154762	52.18	ppb	97
26) Nitrobenzene	5.229	77	532224	54.83	ppb	94
27) Quinoline	6.245	129	1007992	53.31	ppb	100
28) Isophorone	5.438	82	937659	54.45	ppb	95
29) 2-Nitrophenol	5.513	139	273857	55.11	ppb	93
30) 2,4-Dimethylphenol	5.545	107	502990	54.76	ppb	98
31) Benzoic acid	5.652	105	406192	49.67	ppb	99
32) bis(2-Chloroethoxy)met...	5.630	93	523823	55.57	ppb	98
33) 2,4-Dichlorophenol	5.737	162	374784	54.00	ppb	97
34) 2,6-Dichlorophenol	5.957	162	362033	54.88	ppb	99
35) 1,3,5-Trichlorobenzene	5.523	180	411580	55.88	ppb	99
36) 1,2,4-Trichlorobenzene	5.817	180	392760	54.61	ppb	98
37) 1,2,3-Trichlorobenzene	6.042	180	388901	54.60	ppb	99
38) Naphthalene	5.898	128	1429200	56.73	ppb	99
39) 4-Chloroaniline	5.946	127	610381	57.53	ppb	99
40) 2,3-Dichloroaniline	6.973	161	444422	56.09	ppb	99
41) Caprolactam	6.320	55	190124	52.64	ppb	98
42) Hexachlorobutadiene	6.026	225	186198	53.82	ppb	98
43) 4-Chloro-3-methylphenol	6.465	107	456322	54.46	ppb	97
44) 2-Methylnaphthalene	6.636	141	798361	56.41	ppb	98
45) 1-Methylnaphthalene	6.753	142	924860	56.32	ppb	97
46) Dimethylnaphthalene	7.406	156	826509	55.65	ppb	97
48) Hexachlorocyclopentadiene	6.834	237	424525	106.75	ppb	99
49) 2,4,6-Trichlorophenol	6.978	196	241489	54.35	ppb	99
50) 2,4,5-Trichlorophenol	7.021	196	266279	52.87	ppb	98
52) 2-Chloronaphthalene	7.224	162	846438	54.97	ppb	98
53) Biphenyl	7.208	154	1124124	56.91	ppb	100
54) 2-Nitroaniline	7.358	65	265993	53.86	ppb	97
55) Dimethylphthalate	7.615	163	907855	53.92	ppb	99
56) Acenaphthylene	7.764	152	1396724	54.85	ppb	100
57) 2,6-Dinitrotoluene	7.684	165	224691	52.75	ppb	96
58) 3-Nitroaniline	7.909	138	286744	53.09	ppb	98
59) Acenaphthene	8.005	153	844437	55.51	ppb	95
60) 2,4-Dinitrophenol	8.053	184	247913	97.33	ppb	89
61) 4-Nitrophenol	8.160	109	148238	51.25	ppb	92
62) Dibenzofuran	8.246	168	1151330	56.75	ppb	99
63) 2,4-Dinitrotoluene	8.240	165	299340	56.39	ppb	96
64) 2,3,4,6-Tetrachlorophenol	8.428	232	199482	52.03	ppb	96
65) Diethylphthalate	8.615	149	913834	54.42	ppb	99
66) Fluorene	8.738	166	933561	56.07	ppb	99
67) 4-Chlorophenyl-phenyle...	8.754	204	404144	54.81	ppb	97
68) 4-Nitroaniline	8.781	138	286352	52.31	ppb	95
70) 4,6-Dinitro-2-methylph...	8.829	198	165161	49.29	ppb	99
71) n-Nitrosodiphenylamine	8.930	169	633111	53.80	ppb	100
72) 1,2-Diphenylhydrazine	8.989	77	1034832	55.83	ppb	97
74) 4-Bromophenyl-phenylether	9.481	248	201256	51.81	ppb	97
75) Hexachlorobenzene	9.562	284	236250	51.60	ppb	96
76) Pentachlorophenol	9.866	266	301220	102.09	ppb	99
77) Phenanthrene	10.171	178	1301315	54.85	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64368.D
Acq On : 12 Jun 2014 6:01 pm
Operator : saumilp
Sample : ICC2729-50
Misc : op75065,E2M2729
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 09:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 09:58:40 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.251	178	1328294	54.51	ppb	99
79) Carbazole	10.519	167	1309332	54.72	ppb	99
80) Di-n-butylphthalate	11.150	149	1528670	54.71	ppb	99
81) Fluoranthene	12.033	202	1292396	53.76	ppb	97
82) Octadecane	10.091	57	548686	58.97	ppb	98
84) Pyrene	12.380	202	1363028	53.65	ppb	99
86) Butylbenzylphthalate	13.520	149	673503	53.39	ppb	95
87) Butyl stearate	13.696	56	375279	59.32	ppb	98
88) Benzo[a]anthracene	14.295	228	1150515	54.36	ppb	99
89) 3,3'-Dichlorobenzidine	14.300	252	414549	52.93	ppb	100
90) Chrysene	14.354	228	1097858	52.35	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.488	149	940185	53.86	ppb	100
93) Di-n-octylphthalate	15.466	149	1610168	51.55	ppb	99
94) Benzo[b]fluoranthene	15.905	252	1177424	48.61	ppb	99
95) Benzo[k]fluoranthene	15.948	252	1078408	51.38	ppb	99
96) Benzo[a]pyrene	16.344	252	1011763	49.33	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.996	276	982495	46.95	ppb	96
98) Dibenz(a,h)acridine	17.633	279	875193	48.39	ppb	100
99) Dibenz[a,h]anthracene	18.039	278	988686	47.52	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.910	256	563373	50.90	ppb	96
101) Benzo[g,h,i]perylene	18.446	276	931579	48.16	ppb	94

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

9.6.31

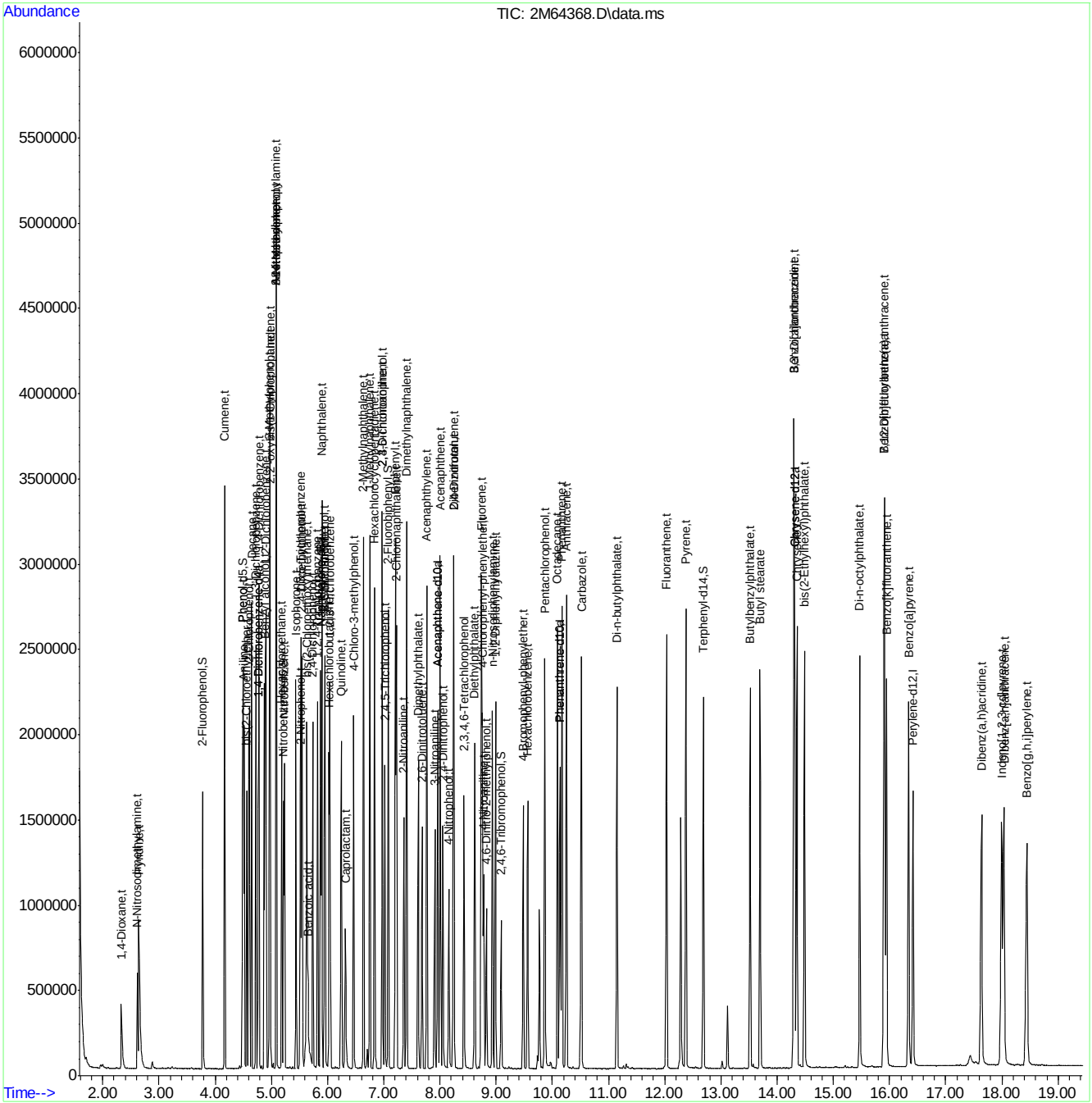
9

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64368.D
Acq On : 12 Jun 2014 6:01 pm
Operator : saumilp
Sample : ICC2729-50
Misc : op75065,E2M2729
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 09:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 09:58:40 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64369.D
Acq On : 12 Jun 2014 6:28 pm
Operator : saumilp
Sample : IC2729-25
Misc : op75065,E2M2729
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 10:01:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 10:00:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	242916	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	986903	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	539443	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	827932	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	721886	40.00	ppb	0.00
92) Perylene-d12	16.419	264	615593	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	242916	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	539443	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	721886	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	827932	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	986903	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.774	112	247385	26.74	ppb	0.00
Spiked Amount 50.000			Recovery = 53.48%			
8) Phenol-d5	4.486	99	319610	27.57	ppb	0.00
Spiked Amount 50.000			Recovery = 55.14%			
25) Nitrobenzene-d5	5.213	82	265749	27.17	ppb	0.00
Spiked Amount 50.000			Recovery = 54.34%			
51) 2-Fluorobiphenyl	7.080	172	462982	27.56	ppb	0.00
Spiked Amount 50.000			Recovery = 55.12%			
73) 2,4,6-Tribromophenol	9.086	330	48736	24.53	ppb	0.00
Spiked Amount 50.000			Recovery = 49.06%			
85) Terphenyl-d14	12.685	244	406029	25.22	ppb	0.00
Spiked Amount 50.000			Recovery = 50.44%			
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.336	88	122873	26.44	ppb	98
3) Pyridine	2.646	79	294988	26.23	ppb	99
4) N-Nitrosodimethylamine	2.614	74	168093	26.33	ppb	98
6) Indene	4.972	116	446506	31.72	ppb	99
7) Cumene	4.170	105	669083	28.75	ppb	100
9) Phenol	4.496	94	369747	28.88	ppb	100
10) Aniline	4.512	93	433403	29.06	ppb	97
11) bis(2-Chloroethyl)ether	4.561	93	241140	27.42	ppb	98
12) 2-Chlorophenol	4.609	128	260426	27.41	ppb	98
13) Decane	4.646	43	177457	30.94	ppb	99
14) 1,3-Dichlorobenzene	4.726	146	287883	28.05	ppb	99
15) 1,4-Dichlorobenzene	4.780	146	288843	28.26	ppb	99
16) Benzyl alcohol	4.871	108	189710	27.39	ppb	97
17) 1,2-Dichlorobenzene	4.903	146	264544	27.93	ppb	99
18) Acetophenone	5.085	105	358052	31.87	ppb	95
19) 2-Methylphenol	4.962	108	250002	29.97	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.978	45	222633	31.00	ppb	97
21) 3&4-Methylphenol	5.079	108	249632	32.40	ppb	98

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64369.D
Acq On : 12 Jun 2014 6:28 pm
Operator : saumilp
Sample : IC2729-25
Misc : op75065,E2M2729
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 10:01:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 10:00:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.085	70	153726	30.73	ppb		99
23) Hexachloroethane	5.181	201	80178	26.25	ppb		99
26) Nitrobenzene	5.229	77	280419	27.75	ppb		96
27) Quinoline	6.235	129	514031	26.37	ppb		100
28) Isophorone	5.432	82	492882	27.56	ppb		99
29) 2-Nitrophenol	5.513	139	140207	27.06	ppb		94
30) 2,4-Dimethylphenol	5.545	107	262127	27.42	ppb		100
31) Benzoic acid	5.625	105	185174	22.50	ppb		97
32) bis(2-Chloroethoxy)met...	5.630	93	271533	27.54	ppb		98
33) 2,4-Dichlorophenol	5.732	162	189380	26.35	ppb		98
34) 2,6-Dichlorophenol	5.957	162	188924	27.50	ppb		98
35) 1,3,5-Trichlorobenzene	5.523	180	213709	27.68	ppb		100
36) 1,2,4-Trichlorobenzene	5.818	180	203757	27.26	ppb		99
37) 1,2,3-Trichlorobenzene	6.042	180	200391	27.07	ppb		99
38) Naphthalene	5.892	128	753455	28.38	ppb		99
39) 4-Chloroaniline	5.941	127	325059	28.93	ppb		99
40) 2,3-Dichloroaniline	6.967	161	234650	28.22	ppb		98
41) Caprolactam	6.294	55	94570	25.51	ppb		98
42) Hexachlorobutadiene	6.026	225	95586	26.71	ppb		100
43) 4-Chloro-3-methylphenol	6.459	107	233778	26.87	ppb		99
44) 2-Methylnaphthalene	6.636	141	419921	28.21	ppb		99
45) 1-Methylnaphthalene	6.748	142	483199	28.00	ppb		99
46) Dimethylnaphthalene	7.401	156	430816	27.72	ppb		99
48) Hexachlorocyclopentadiene	6.834	237	208524	51.64	ppb		99
49) 2,4,6-Trichlorophenol	6.973	196	122645	27.02	ppb		99
50) 2,4,5-Trichlorophenol	7.016	196	131976	25.89	ppb		99
52) 2-Chloronaphthalene	7.224	162	441104	27.92	ppb		100
53) Biphenyl	7.203	154	585413	28.53	ppb		99
54) 2-Nitroaniline	7.353	65	132799	26.40	ppb		98
55) Dimethylphthalate	7.609	163	457840	26.69	ppb		99
56) Acenaphthylene	7.759	152	719375	27.56	ppb		99
57) 2,6-Dinitrotoluene	7.679	165	112958	26.22	ppb		98
58) 3-Nitroaniline	7.898	138	143533	26.22	ppb		94
59) Acenaphthene	8.000	153	436528	27.87	ppb		99
60) 2,4-Dinitrophenol	8.043	184	107463	42.87	ppb	#	81
61) 4-Nitrophenol	8.150	109	72458	25.02	ppb		98
62) Dibenzofuran	8.246	168	599383	28.47	ppb		98
63) 2,4-Dinitrotoluene	8.235	165	153269	27.89	ppb		98
64) 2,3,4,6-Tetrachlorophenol	8.428	232	96957	25.13	ppb		98
65) Diethylphthalate	8.615	149	465651	27.13	ppb		99
66) Fluorene	8.733	166	481654	28.00	ppb		98
67) 4-Chlorophenyl-phenyle...	8.754	204	204193	27.02	ppb		99
68) 4-Nitroaniline	8.770	138	141268	25.59	ppb		99
70) 4,6-Dinitro-2-methylph...	8.818	198	76338	23.29	ppb		94
71) n-Nitrosodiphenylamine	8.925	169	317897	26.80	ppb		99
72) 1,2-Diphenylhydrazine	8.984	77	534612	28.25	ppb		98
74) 4-Bromophenyl-phenylether	9.476	248	100545	26.02	ppb		94
75) Hexachlorobenzene	9.556	284	118472	26.05	ppb		95
76) Pentachlorophenol	9.861	266	140250	48.02	ppb		98
77) Phenanthrene	10.166	178	667445	27.72	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64369.D
Acq On : 12 Jun 2014 6:28 pm
Operator : saumilp
Sample : IC2729-25
Misc : op75065,E2M2729
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 10:01:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 10:00:52 2014
Response via : Initial Calibration

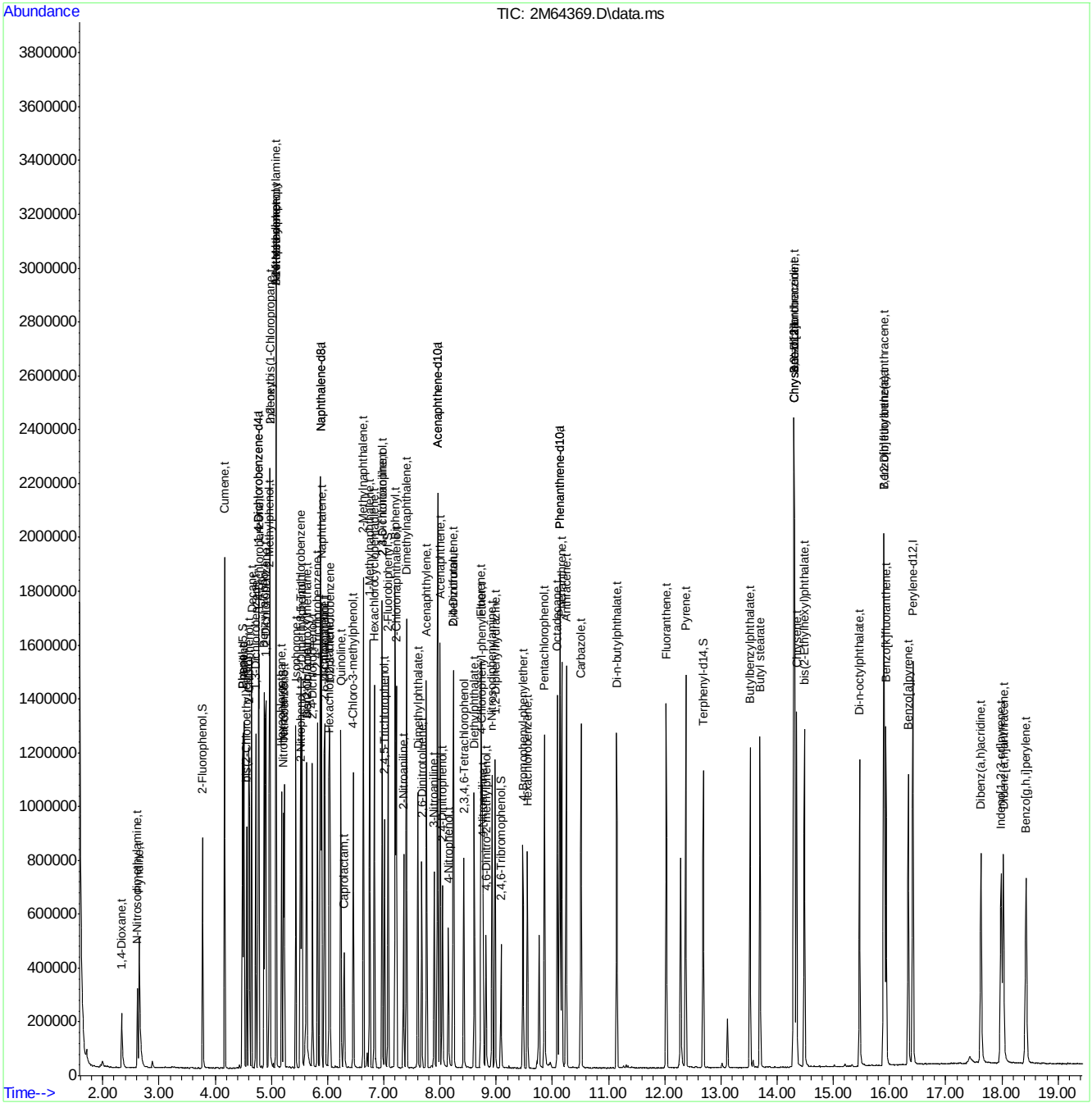
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.246	178	684334	27.74	ppb	100
79) Carbazole	10.514	167	661871	27.28	ppb	100
80) Di-n-butylphthalate	11.145	149	769317	27.16	ppb	99
81) Fluoranthene	12.027	202	649688	26.82	ppb	98
82) Octadecane	10.091	57	294019	30.34	ppb	99
84) Pyrene	12.375	202	687681	26.57	ppb	100
86) Butylbenzylphthalate	13.520	149	334451	26.07	ppb	98
87) Butyl stearate	13.691	56	195418	29.24	ppb	93
88) Benzo[a]anthracene	14.295	228	569202	26.28	ppb	100
89) 3,3'-Dichlorobenzidine	14.295	252	206316	25.98	ppb	98
90) Chrysene	14.349	228	546122	25.78	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.482	149	466775	26.21	ppb	98
93) Di-n-octylphthalate	15.466	149	767757	25.10	ppb	100
94) Benzo[b]fluoranthene	15.900	252	554519	23.84	ppb	97
95) Benzo[k]fluoranthene	15.937	252	545522	26.57	ppb	98
96) Benzo[a]pyrene	16.338	252	485483	24.53	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.986	276	447648	22.53	ppb	95
98) Dibenz(a,h)acridine	17.627	279	410038	23.65	ppb	99
99) Dibenz[a,h]anthracene	18.028	278	471456	23.77	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.905	256	266244	24.67	ppb	98
101) Benzo[g,h,i]perylene	18.430	276	443945	23.97	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64369.D
Acq On : 12 Jun 2014 6:28 pm
Operator : saumilp
Sample : IC2729-25
Misc : op75065,E2M2729
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 10:01:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 09:58:40 2014
QLast Update : Fri Jun 13 10:00:52 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64370.D
Acq On : 12 Jun 2014 6:54 pm
Operator : saumilp
Sample : IC2729-10
Misc : op75065,E2M2729
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 10:02:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:01:36 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	283367	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1147079	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	630531	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	996315	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	863796	40.00	ppb	0.00
92) Perylene-d12	16.419	264	696749	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	283367	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	630531	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	863796	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	996315	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1147079	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.774	112	114409	10.42	ppb	0.00
Spiked Amount 50.000			Recovery =	20.84%		
8) Phenol-d5	4.486	99	152416	10.99	ppb	0.00
Spiked Amount 50.000			Recovery =	21.98%		
25) Nitrobenzene-d5	5.213	82	126343	10.88	ppb	0.00
Spiked Amount 50.000			Recovery =	21.76%		
51) 2-Fluorobiphenyl	7.080	172	223313	11.09	ppb	0.00
Spiked Amount 50.000			Recovery =	22.18%		
73) 2,4,6-Tribromophenol	9.086	330	21456	9.02	ppb	0.00
Spiked Amount 50.000			Recovery =	18.04%		
85) Terphenyl-d14	12.685	244	191057	9.90	ppb	0.00
Spiked Amount 50.000			Recovery =	19.80%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.336	88	57106	10.38	ppb	99
3) Pyridine	2.651	79	140804	10.60	ppb	97
4) N-Nitrosodimethylamine	2.614	74	77188	10.23	ppb	93
6) Indene	4.972	116	213170	12.16	ppb	99
7) Cumene	4.170	105	319918	11.36	ppb	100
9) Phenol	4.491	94	176061	11.35	ppb	97
10) Aniline	4.512	93	206098	11.38	ppb	99
11) bis(2-Chloroethyl)ether	4.561	93	115552	11.00	ppb	96
12) 2-Chlorophenol	4.603	128	124448	10.96	ppb	96
13) Decane	4.646	43	85804	12.11	ppb	99
14) 1,3-Dichlorobenzene	4.726	146	135804	11.01	ppb	99
15) 1,4-Dichlorobenzene	4.780	146	137174	11.14	ppb	99
16) Benzyl alcohol	4.871	108	89916	10.87	ppb	98
17) 1,2-Dichlorobenzene	4.903	146	125743	11.06	ppb	97
18) Acetophenone	5.085	105	179622	12.83	ppb	99
19) 2-Methylphenol	4.962	108	119909	11.74	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.978	45	109717	12.36	ppb	96
21) 3&4-Methylphenol	5.079	108	125005	12.95	ppb	99

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64370.D
Acq On : 12 Jun 2014 6:54 pm
Operator : saumilp
Sample : IC2729-10
Misc : op75065,E2M2729
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 10:02:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:01:36 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.085	70	78439	12.71	ppb		96
23) Hexachloroethane	5.181	201	37143	10.29	ppb		98
26) Nitrobenzene	5.229	77	132192	10.95	ppb		95
27) Quinoline	6.235	129	244865	10.66	ppb		100
28) Isophorone	5.432	82	235711	11.06	ppb		99
29) 2-Nitrophenol	5.507	139	65260	10.62	ppb		98
30) 2,4-Dimethylphenol	5.539	107	122477	10.76	ppb		98
31) Benzoic acid	5.604	105	72840	7.81	ppb		99
32) bis(2-Chloroethoxy)met...	5.625	93	131488	11.19	ppb		99
33) 2,4-Dichlorophenol	5.732	162	89926	10.62	ppb		98
34) 2,6-Dichlorophenol	5.957	162	90176	11.02	ppb		97
35) 1,3,5-Trichlorobenzene	5.523	180	103501	11.23	ppb		98
36) 1,2,4-Trichlorobenzene	5.818	180	96963	10.91	ppb		96
37) 1,2,3-Trichlorobenzene	6.042	180	96391	10.97	ppb		96
38) Naphthalene	5.892	128	364151	11.42	ppb		99
39) 4-Chloroaniline	5.941	127	154075	11.35	ppb		99
40) 2,3-Dichloroaniline	6.968	161	111936	11.22	ppb		97
41) Caprolactam	6.283	55	44932	10.38	ppb		96
42) Hexachlorobutadiene	6.026	225	44918	10.62	ppb		96
43) 4-Chloro-3-methylphenol	6.454	107	110184	10.69	ppb		98
44) 2-Methylnaphthalene	6.636	141	204576	11.46	ppb		98
45) 1-Methylnaphthalene	6.748	142	232368	11.25	ppb		97
46) Dimethylnaphthalene	7.401	156	207054	11.16	ppb		99
48) Hexachlorocyclopentadiene	6.834	237	91505	19.23	ppb		98
49) 2,4,6-Trichlorophenol	6.973	196	56083	10.36	ppb		96
50) 2,4,5-Trichlorophenol	7.016	196	61439	10.22	ppb		96
52) 2-Chloronaphthalene	7.224	162	209223	11.01	ppb		98
53) Biphenyl	7.203	154	282568	11.38	ppb		99
54) 2-Nitroaniline	7.353	65	62053	10.41	ppb		97
55) Dimethylphthalate	7.604	163	216759	10.63	ppb		99
56) Acenaphthylene	7.759	152	343606	10.98	ppb		100
57) 2,6-Dinitrotoluene	7.674	165	51231	10.05	ppb		94
58) 3-Nitroaniline	7.898	138	65579	10.13	ppb		96
59) Acenaphthene	8.000	153	209995	11.15	ppb		95
60) 2,4-Dinitrophenol	8.043	184	38188	13.52	ppb	#	86
61) 4-Nitrophenol	8.150	109	32419	9.58	ppb		98
62) Dibenzofuran	8.240	168	292664	11.49	ppb		100
63) 2,4-Dinitrotoluene	8.230	165	69333	10.49	ppb		99
64) 2,3,4,6-Tetrachlorophenol	8.422	232	44674	9.89	ppb		96
65) Diethylphthalate	8.610	149	218673	10.67	ppb		100
66) Fluorene	8.733	166	228996	11.06	ppb		100
67) 4-Chlorophenyl-phenyle...	8.749	204	96968	10.76	ppb		96
68) 4-Nitroaniline	8.765	138	68407	10.54	ppb		99
70) 4,6-Dinitro-2-methylph...	8.818	198	30754	7.93	ppb		99
71) n-Nitrosodiphenylamine	8.925	169	152885	10.52	ppb		99
72) 1,2-Diphenylhydrazine	8.979	77	254954	10.84	ppb		96
74) 4-Bromophenyl-phenylether	9.476	248	47254	10.06	ppb		95
75) Hexachlorobenzene	9.556	284	55196	9.98	ppb		95
76) Pentachlorophenol	9.861	266	61980	17.81	ppb		99
77) Phenanthrene	10.166	178	321540	10.80	ppb		100

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64370.D
Acq On : 12 Jun 2014 6:54 pm
Operator : saumilp
Sample : IC2729-10
Misc : op75065,E2M2729
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 10:02:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:01:36 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.241	178	324012	10.62	ppb	99
79) Carbazole	10.508	167	314880	10.55	ppb	100
80) Di-n-butylphthalate	11.145	149	356952	10.25	ppb	100
81) Fluoranthene	12.022	202	299217	10.08	ppb	97
82) Octadecane	10.086	57	142175	11.57	ppb	97
84) Pyrene	12.370	202	324638	10.32	ppb	99
86) Butylbenzylphthalate	13.514	149	149122	9.61	ppb	95
87) Butyl stearate	13.691	56	89993	10.80	ppb	94
88) Benzo[a]anthracene	14.290	228	267196	10.18	ppb	100
89) 3,3'-Dichlorobenzidine	14.295	252	91761	9.56	ppb	97
90) Chrysene	14.343	228	258728	10.13	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.482	149	204108	9.46	ppb	99
93) Di-n-octylphthalate	15.466	149	327357	9.45	ppb	99
94) Benzo[b]fluoranthene	15.894	252	247815	9.52	ppb	96
95) Benzo[k]fluoranthene	15.932	252	255278	10.82	ppb	95
96) Benzo[a]pyrene	16.333	252	214478	9.62	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.980	276	203404	9.27	ppb	97
98) Dibenz(a,h)acridine	17.622	279	180441	9.32	ppb	99
99) Dibenz[a,h]anthracene	18.023	278	208714	9.41	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.900	256	114775	9.43	ppb	100
101) Benzo[g,h,i]perylene	18.424	276	198859	9.59	ppb	95

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

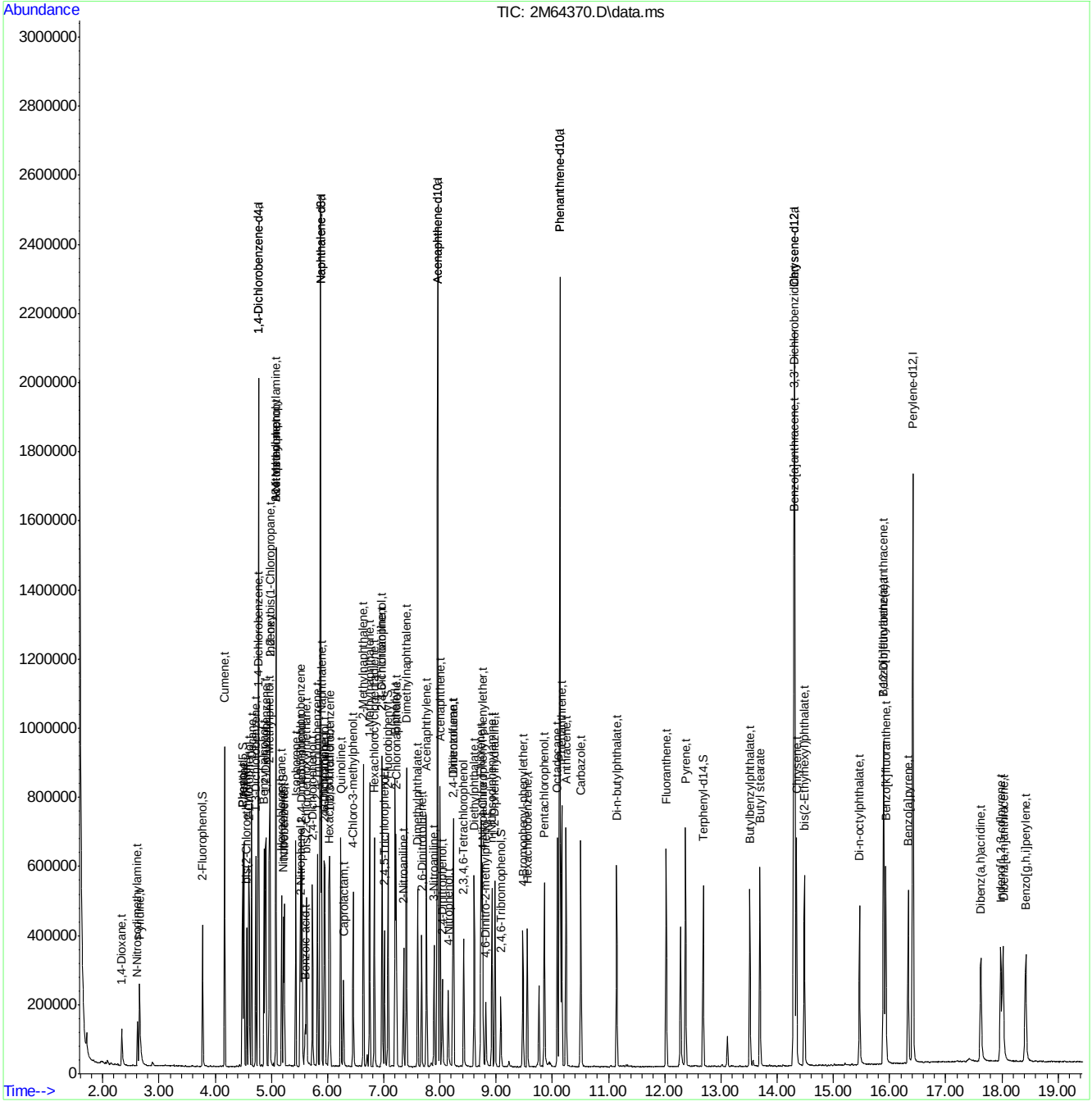
9.6.33

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64370.D
Acq On : 12 Jun 2014 6:54 pm
Operator : saumilp
Sample : IC2729-10
Misc : op75065,E2M2729
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 10:02:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:01:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64371.D
Acq On : 12 Jun 2014 7:21 pm
Operator : saumilp
Sample : IC2729-5
Misc : op75065,E2M2729
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 10:02:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:02:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.764	152	268886	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1084890	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	597111	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	934051	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	828384	40.00	ppb	-0.01
92) Perylene-d12	16.413	264	658355	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.764	152	268886	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	597111	40.00	ppb	0.00
107) Chrysene-d12a	14.306	240	828384	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.134	188	934051	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1084890	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.774	112	56289	5.36	ppb	0.00
Spiked Amount 50.000			Recovery =	10.72%		
8) Phenol-d5	4.486	99	74636	5.56	ppb	0.00
Spiked Amount 50.000			Recovery =	11.12%		
25) Nitrobenzene-d5	5.213	82	61984	5.55	ppb	0.00
Spiked Amount 50.000			Recovery =	11.10%		
51) 2-Fluorobiphenyl	7.074	172	109689	5.63	ppb	0.00
Spiked Amount 50.000			Recovery =	11.26%		
73) 2,4,6-Tribromophenol	9.086	330	9882	4.52	ppb	0.00
Spiked Amount 50.000			Recovery =	9.04%		
85) Terphenyl-d14	12.685	244	91721	4.96	ppb	0.00
Spiked Amount 50.000			Recovery =	9.92%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.336	88	28281	5.38	ppb	98
3) Pyridine	2.656	79	69355	5.44	ppb	98
4) N-Nitrosodimethylamine	2.619	74	38334	5.33	ppb	97
6) Indene	4.972	116	107094	6.17	ppb	99
7) Cumene	4.170	105	157996	5.75	ppb	99
9) Phenol	4.491	94	87943	5.82	ppb	98
10) Aniline	4.512	93	101840	5.77	ppb	98
11) bis(2-Chloroethyl)ether	4.561	93	58748	5.78	ppb	95
12) 2-Chlorophenol	4.603	128	61682	5.62	ppb	97
13) Decane	4.646	43	43826	6.25	ppb	96
14) 1,3-Dichlorobenzene	4.726	146	67780	5.68	ppb	99
15) 1,4-Dichlorobenzene	4.780	146	69871	5.85	ppb	99
16) Benzyl alcohol	4.871	108	43096	5.40	ppb	98
17) 1,2-Dichlorobenzene	4.903	146	65157	5.91	ppb	99
18) Acetophenone	5.085	105	90917	6.48	ppb	97
19) 2-Methylphenol	4.956	108	60243	6.01	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.978	45	55223	6.26	ppb	96
21) 3&4-Methylphenol	5.079	108	61951	6.39	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64371.D
Acq On : 12 Jun 2014 7:21 pm
Operator : saumilp
Sample : IC2729-5
Misc : op75065,E2M2729
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 10:02:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:02:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.085	70	39714	6.43	ppb		97
23) Hexachloroethane	5.181	201	18194	5.28	ppb		99
26) Nitrobenzene	5.229	77	63991	5.50	ppb		92
27) Quinoline	6.235	129	120980	5.50	ppb		99
28) Isophorone	5.432	82	115206	5.60	ppb		100
29) 2-Nitrophenol	5.507	139	30516	5.19	ppb		93
30) 2,4-Dimethylphenol	5.539	107	60218	5.51	ppb		94
31) Benzoic acid	5.593	105	29526	3.50	ppb		77
32) bis(2-Chloroethoxy)met...	5.625	93	65211	5.73	ppb		99
33) 2,4-Dichlorophenol	5.732	162	44405	5.48	ppb		99
34) 2,6-Dichlorophenol	5.951	162	42752	5.41	ppb		98
35) 1,3,5-Trichlorobenzene	5.523	180	50974	5.71	ppb		98
36) 1,2,4-Trichlorobenzene	5.818	180	47655	5.57	ppb		96
37) 1,2,3-Trichlorobenzene	6.042	180	47513	5.61	ppb		99
38) Naphthalene	5.892	128	178968	5.77	ppb		99
39) 4-Chloroaniline	5.941	127	75710	5.74	ppb		98
40) 2,3-Dichloroaniline	6.967	161	54602	5.65	ppb		96
41) Caprolactam	6.272	55	21272	5.16	ppb		96
42) Hexachlorobutadiene	6.026	225	22218	5.49	ppb		97
43) 4-Chloro-3-methylphenol	6.454	107	52001	5.26	ppb		99
44) 2-Methylnaphthalene	6.636	141	100891	5.81	ppb		97
45) 1-Methylnaphthalene	6.748	142	115942	5.79	ppb		98
46) Dimethylnaphthalene	7.401	156	100820	5.61	ppb		99
48) Hexachlorocyclopentadiene	6.834	237	41790	9.35	ppb		98
49) 2,4,6-Trichlorophenol	6.973	196	26750	5.18	ppb		95
50) 2,4,5-Trichlorophenol	7.010	196	28517	4.99	ppb		98
52) 2-Chloronaphthalene	7.219	162	102576	5.59	ppb		98
53) Biphenyl	7.203	154	138016	5.71	ppb		99
54) 2-Nitroaniline	7.347	65	29879	5.25	ppb		90
55) Dimethylphthalate	7.604	163	107760	5.51	ppb		99
56) Acenaphthylene	7.759	152	165565	5.48	ppb		99
57) 2,6-Dinitrotoluene	7.673	165	23486	4.86	ppb		97
58) 3-Nitroaniline	7.898	138	31184	5.07	ppb		98
59) Acenaphthene	8.000	153	103286	5.66	ppb		96
60) 2,4-Dinitrophenol	8.043	184	13533	5.41	ppb	#	90
61) 4-Nitrophenol	8.150	109	14608	4.60	ppb		99
62) Dibenzofuran	8.240	168	143843	5.79	ppb		99
63) 2,4-Dinitrotoluene	8.230	165	32881	5.20	ppb		99
64) 2,3,4,6-Tetrachlorophenol	8.422	232	20240	4.74	ppb		94
65) Diethylphthalate	8.610	149	104881	5.33	ppb		99
66) Fluorene	8.733	166	111836	5.58	ppb		99
67) 4-Chlorophenyl-phenyle...	8.749	204	48324	5.58	ppb		93
68) 4-Nitroaniline	8.759	138	32004	5.15	ppb		97
70) 4,6-Dinitro-2-methylph...	8.813	198	11150	3.20	ppb		92
71) n-Nitrosodiphenylamine	8.920	169	73385	5.33	ppb		98
72) 1,2-Diphenylhydrazine	8.979	77	124096	5.54	ppb		95
74) 4-Bromophenyl-phenylether	9.476	248	22803	5.17	ppb		93
75) Hexachlorobenzene	9.556	284	27047	5.22	ppb		91
76) Pentachlorophenol	9.861	266	27304	8.56	ppb		97
77) Phenanthrene	10.166	178	159066	5.61	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64371.D
Acq On : 12 Jun 2014 7:21 pm
Operator : saumilp
Sample : IC2729-5
Misc : op75065,E2M2729
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 10:02:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:02:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.241	178	156386	5.40	ppb	99
79) Carbazole	10.508	167	154523	5.46	ppb	99
80) Di-n-butylphthalate	11.145	149	164294	5.01	ppb	99
81) Fluoranthene	12.022	202	145565	5.22	ppb	96
82) Octadecane	10.086	57	67037	5.64	ppb	95
84) Pyrene	12.370	202	159189	5.24	ppb	99
86) Butylbenzylphthalate	13.520	149	68176	4.62	ppb	97
87) Butyl stearate	13.691	56	40157	4.94	ppb	92
88) Benzo[a]anthracene	14.290	228	127962	5.06	ppb	99
89) 3,3'-Dichlorobenzidine	14.295	252	41534	4.55	ppb	96
90) Chrysene	14.343	228	128254	5.22	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.482	149	91224	4.46	ppb	99
93) Di-n-octylphthalate	15.466	149	141448	4.37	ppb	99
94) Benzo[b]fluoranthene	15.889	252	119639	4.91	ppb	94
95) Benzo[k]fluoranthene	15.926	252	124369	5.49	ppb	95
96) Benzo[a]pyrene	16.333	252	97890	4.68	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.975	276	89598	4.39	ppb	94
98) Dibenz(a,h)acridine	17.622	279	78493	4.35	ppb	97
99) Dibenz[a,h]anthracene	18.018	278	96457	4.66	ppb	91
100) 7,12-Dimethylbenz(a)an...	15.894	256	48062	4.23	ppb	96
101) Benzo[g,h,i]perylene	18.419	276	91940	4.73	ppb	95

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

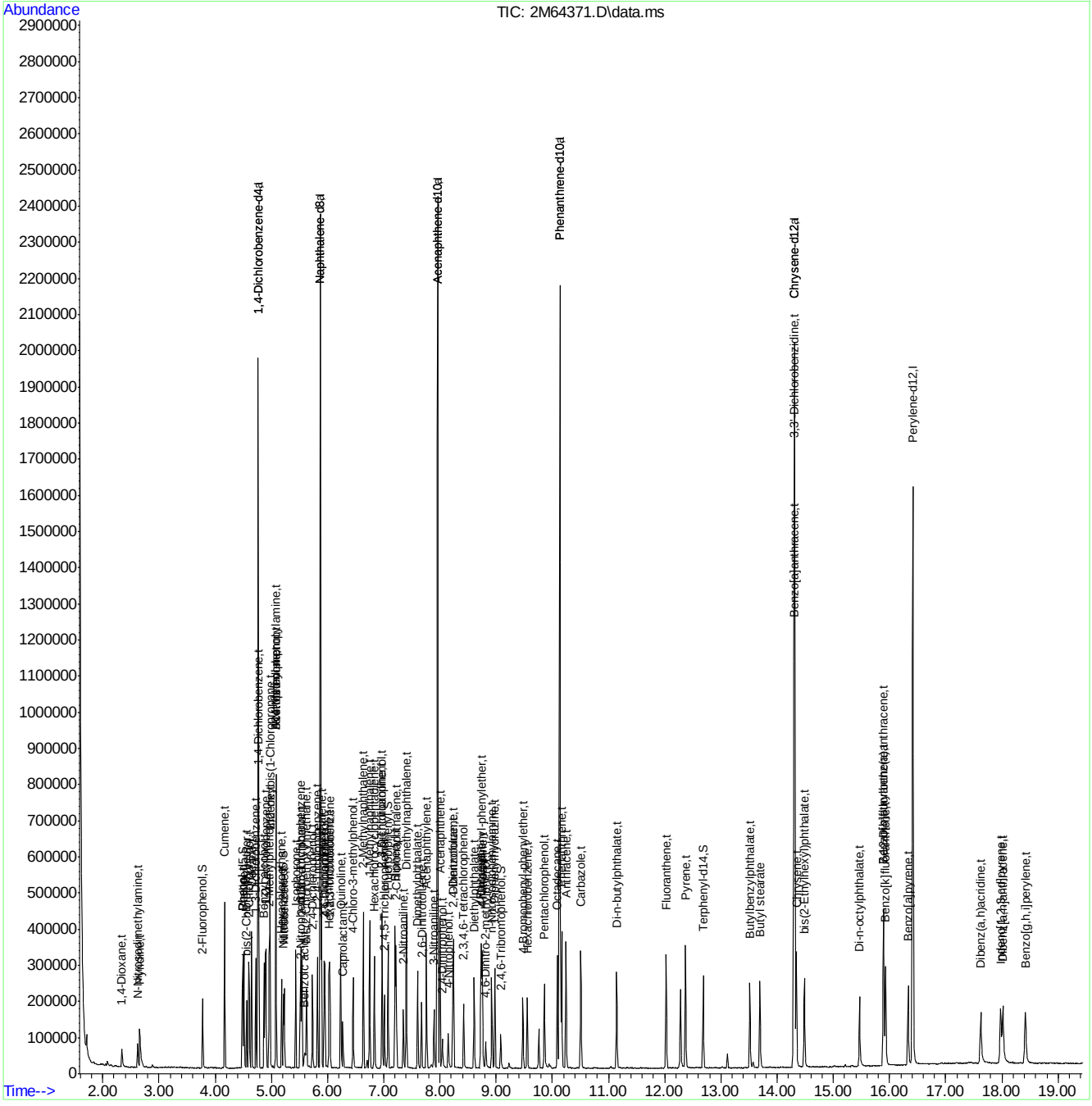
9.6.34

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64371.D
Acq On : 12 Jun 2014 7:21 pm
Operator : saumilp
Sample : IC2729-5
Misc : op75065,E2M2729
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 10:02:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:01:36 2014
QLast Update : Fri Jun 13 10:02:17 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

2M64372.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya 06/16/14 12:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64372.D
Acq On : 12 Jun 2014 7:48 pm
Operator : saumilp
Sample : IC2729-2
Misc : op75065,E2M2729
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 10:04:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:02:17 2014
QLast Update : Fri Jun 13 10:03:01 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	284338	40.00	ppb	0.00
24) Naphthalene-d8	5.871	136	1147134	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	624490	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	992747	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	866644	40.00	ppb	-0.01
92) Perylene-d12	16.419	264	694174	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	284338	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	624490	40.00	ppb	0.00
107) Chrysene-d12a	14.306	240	866644	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.134	188	992747	40.00	ppb	0.00
113) Naphthalene-d8a	5.871	136	1147134	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.774	112	21842	1.94	ppb	0.00
Spiked Amount 50.000			Recovery =	3.88%		
8) Phenol-d5	4.486	99	29243	2.02	ppb	0.00
Spiked Amount 50.000			Recovery =	4.04%		
25) Nitrobenzene-d5	5.213	82	24322	2.02	ppb	0.00
Spiked Amount 50.000			Recovery =	4.04%		
51) 2-Fluorobiphenyl	7.080	172	44022	2.12	ppb	0.00
Spiked Amount 50.000			Recovery =	4.24%		
73) 2,4,6-Tribromophenol	9.086	330	3639	1.59	ppb	0.00
Spiked Amount 50.000			Recovery =	3.18%		
85) Terphenyl-d14	12.685	244	34118	1.77	ppb	0.00
Spiked Amount 50.000			Recovery =	3.54%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.341	88	12190	2.16	ppb	93
3) Pyridine	2.662	79	26154	1.91	ppb	96
4) N-Nitrosodimethylamine	2.624	74	15090	1.96	ppb	100
6) Indene	4.972	116	43486	2.28	ppb	96
7) Cumene	4.170	105	63390	2.13	ppb	98
9) Phenol	4.491	94	33691	2.05	ppb	96
10) Aniline	4.512	93	40811	2.13	ppb	95
11) bis(2-Chloroethyl)ether	4.561	93	23439	2.12	ppb	98
12) 2-Chlorophenol	4.603	128	24804	2.09	ppb	93
13) Decane	4.646	43	17395	2.25	ppb	94
14) 1,3-Dichlorobenzene	4.726	146	26526	2.05	ppb	97
15) 1,4-Dichlorobenzene	4.780	146	27475	2.11	ppb	97
16) Benzyl alcohol	4.871	108	16577	1.94	ppb	98
17) 1,2-Dichlorobenzene	4.903	146	26173	2.18	ppb	98
18) Acetophenone	5.085	105	37180	2.39	ppb	98
19) 2-Methylphenol	4.956	108	23351	2.13	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.978	45	22275	2.29	ppb	94
21) 3&4-Methylphenol	5.079	108	24218	2.26	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64372.D
Acq On : 12 Jun 2014 7:48 pm
Operator : saumilp
Sample : IC2729-2
Misc : op75065,E2M2729
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 10:04:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:02:17 2014
QLast Update : Fri Jun 13 10:03:01 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.085	70	16028	2.34	ppb		99
23) Hexachloroethane	5.181	201	7213	1.96	ppb		96
26) Nitrobenzene	5.229	77	25569	2.04	ppb		98
27) Quinoline	6.235	129	46999	1.99	ppb		99
28) Isophorone	5.432	82	45472	2.05	ppb		98
29) 2-Nitrophenol	5.507	139	11611	1.85	ppb		96
30) 2,4-Dimethylphenol	5.539	107	23568	2.01	ppb		98
31) Benzoic acid	5.582	105	7581	0.89	ppb		98
32) bis(2-Chloroethoxy)met...	5.625	93	25782	2.09	ppb		99
33) 2,4-Dichlorophenol	5.732	162	16634	1.91	ppb		98
34) 2,6-Dichlorophenol	5.951	162	17485	2.07	ppb		99
35) 1,3,5-Trichlorobenzene	5.523	180	20626	2.13	ppb		96
36) 1,2,4-Trichlorobenzene	5.817	180	19380	2.10	ppb		99
37) 1,2,3-Trichlorobenzene	6.042	180	19158	2.10	ppb		98
38) Naphthalene	5.892	128	74608	2.22	ppb		99
39) 4-Chloroaniline	5.941	127	28978	2.03	ppb		97
40) 2,3-Dichloroaniline	6.967	161	21508	2.06	ppb		97
41) Caprolactam	6.267	55	8006	1.83	ppb		95
42) Hexachlorobutadiene	6.026	225	9149	2.10	ppb		93
43) 4-Chloro-3-methylphenol	6.454	107	19172	1.82	ppb		99
44) 2-Methylnaphthalene	6.636	141	38570	2.04	ppb		96
45) 1-Methylnaphthalene	6.748	142	46288	2.13	ppb		99
46) Dimethylnaphthalene	7.401	156	39053	2.02	ppb		99
48) Hexachlorocyclopentadiene	6.834	237	14474	3.13	ppb		92
49) 2,4,6-Trichlorophenol	6.973	196	10054	1.85	ppb		98
50) 2,4,5-Trichlorophenol	7.010	196	10962	1.83	ppb		99
52) 2-Chloronaphthalene	7.219	162	41184	2.10	ppb		99
53) Biphenyl	7.203	154	54956	2.12	ppb		97
54) 2-Nitroaniline	7.347	65	10292	1.71	ppb		93
55) Dimethylphthalate	7.604	163	41573	2.00	ppb		100
56) Acenaphthylene	7.759	152	64742	2.02	ppb		99
57) 2,6-Dinitrotoluene	7.673	165	8051	1.60	ppb		94
58) 3-Nitroaniline	7.898	138	11584	1.80	ppb		98
59) Acenaphthene	8.000	153	42163	2.16	ppb		95
60) 2,4-Dinitrophenol	8.043	184	2946	1.22	ppb	#	70
61) 4-Nitrophenol	8.150	109	4816	1.47	ppb		92
62) Dibenzofuran	8.240	168	58522	2.20	ppb		98
63) 2,4-Dinitrotoluene	8.230	165	10943	1.64	ppb		93
64) 2,3,4,6-Tetrachlorophenol	8.422	232	7137	1.61	ppb		91
65) Diethylphthalate	8.604	149	40250	1.94	ppb		100
66) Fluorene	8.733	166	43567	2.04	ppb		100
67) 4-Chlorophenyl-phenyle...	8.749	204	18922	2.05	ppb		91
68) 4-Nitroaniline	8.759	138	11274	1.73	ppb		91
70) 4,6-Dinitro-2-methylph...	8.818	198	2862	0.82	ppb		96
71) n-Nitrosodiphenylamine	8.925	169	27028	1.83	ppb		98
72) 1,2-Diphenylhydrazine	8.979	77	48697	2.01	ppb		95
74) 4-Bromophenyl-phenylether	9.476	248	8637	1.83	ppb		93
75) Hexachlorobenzene	9.556	284	11042	1.99	ppb		96
76) Pentachlorophenol	9.861	266	8408	2.54	ppb		92
77) Phenanthrene	10.166	178	63874	2.08	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64372.D
Acq On : 12 Jun 2014 7:48 pm
Operator : saumilp
Sample : IC2729-2
Misc : op75065,E2M2729
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 10:04:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:02:17 2014
QLast Update : Fri Jun 13 10:03:01 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.241	178	59870	1.92	ppb	99
79) Carbazole	10.508	167	59504	1.95	ppb	99
80) Di-n-butylphthalate	11.145	149	59098	1.69	ppb	100
81) Fluoranthene	12.022	202	54231	1.82	ppb	95
82) Octadecane	10.086	57	24495	1.90	ppb	95
84) Pyrene	12.370	202	61166	1.91	ppb	99
86) Butylbenzylphthalate	13.514	149	23853	1.56	ppb	98
87) Butyl stearate	13.691	56	13202	1.56	ppb	89
88) Benzo[a]anthracene	14.290	228	50377	1.90	ppb	98
89) 3,3'-Dichlorobenzidine	14.295	252	14702	1.56	ppb	92
90) Chrysene	14.343	228	51960	2.01	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.482	149	29738	1.41	ppb	99
93) Di-n-octylphthalate	15.466	149	41131	1.23	ppb	98
94) Benzo[b]fluoranthene	15.889	252	43987	1.72	ppb	95
95) Benzo[k]fluoranthene	15.926	252	46361	1.91	ppb	97
96) Benzo[a]pyrene	16.333	252	35538	1.63	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.975	276	27866m	1.32	ppb	
98) Dibenz(a,h)acridine	17.622	279	28176	1.51	ppb	95
99) Dibenz[a,h]anthracene	18.018	278	35390	1.64	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.894	256	15182	1.30	ppb	94
101) Benzo[g,h,i]perylene	18.419	276	34467	1.70	ppb	96

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

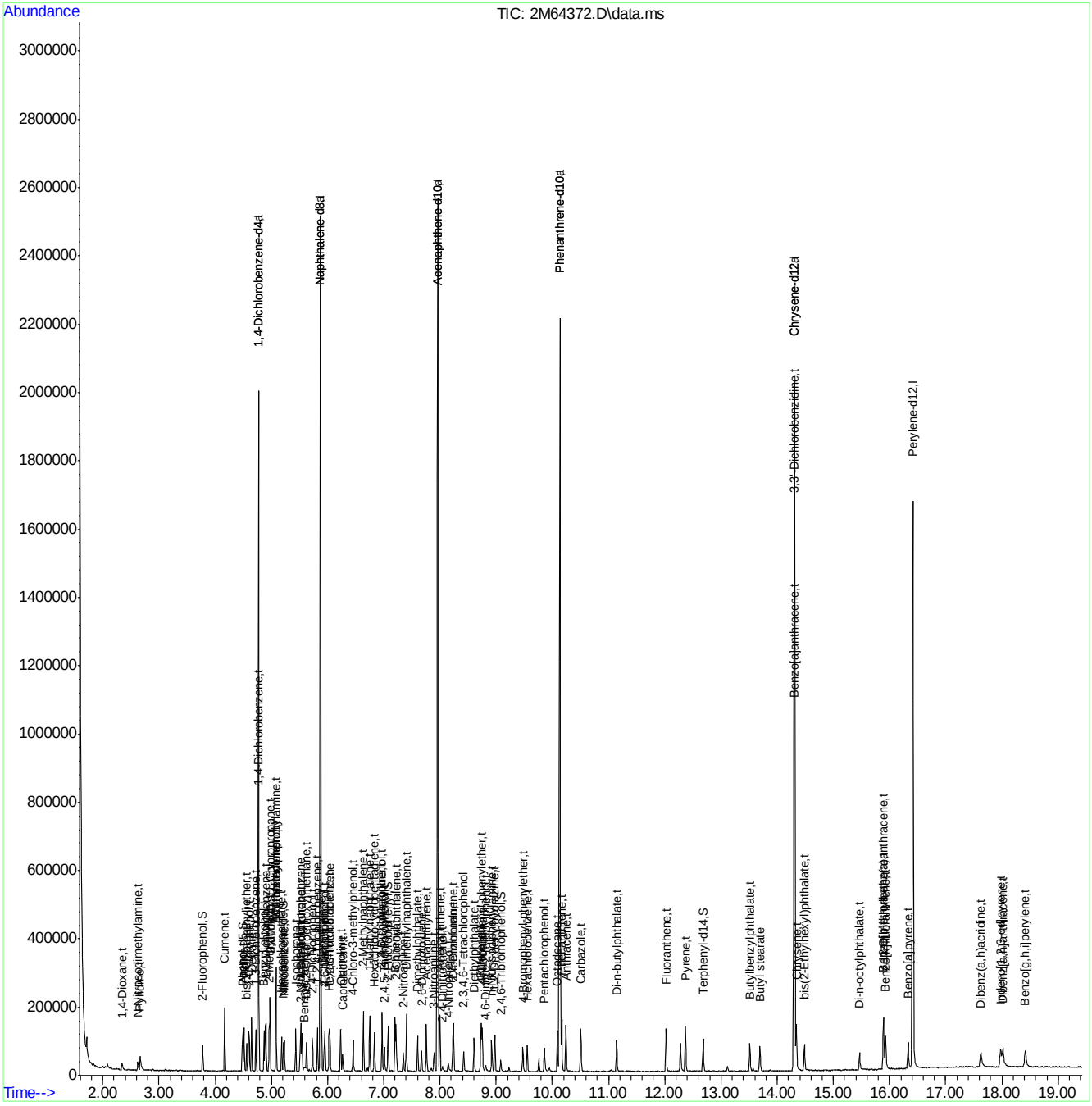
9.6.35

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64372.D
Acq On : 12 Jun 2014 7:48 pm
Operator : saumilp
Sample : IC2729-2
Misc : op75065,E2M2729
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 10:04:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:02:17 2014
QLast Update : Fri Jun 13 10:03:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

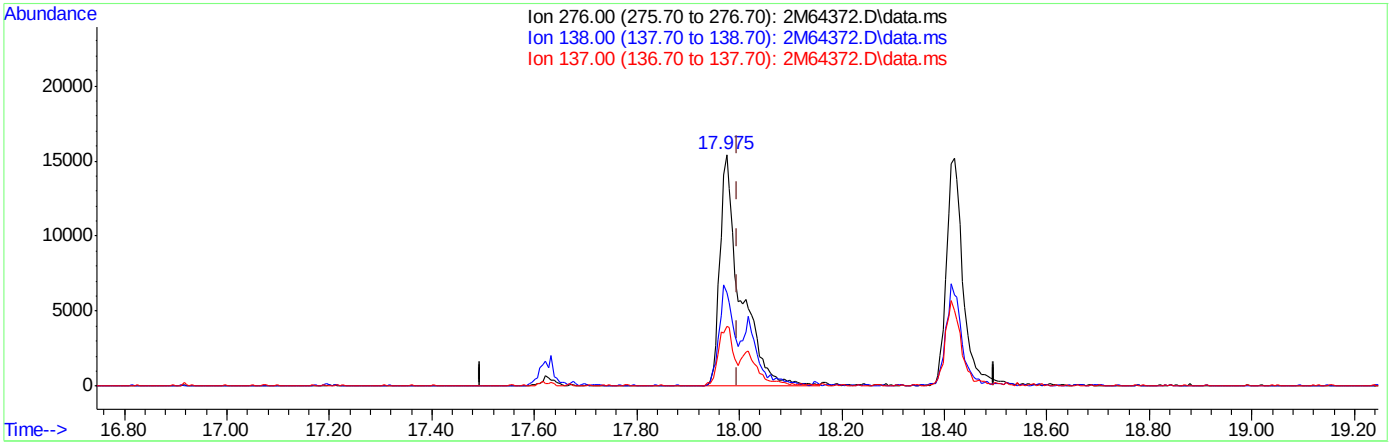
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64372.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 19:48	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

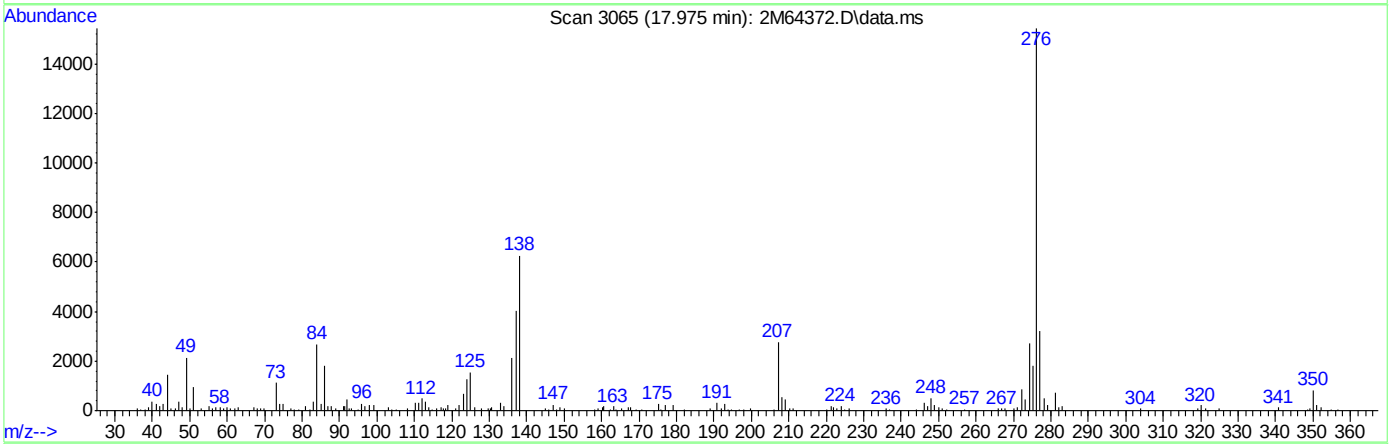
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		17.97	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64372.D
Acq On : 12 Jun 2014 7:48 pm
Operator : saumilp
Sample : IC2729-2
Misc : op75065,E2M2729
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 10:03:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:02:17 2014
QLast Update : Fri Jun 13 10:03:01 2014
Response via : Initial Calibration





TIC: 2M64372.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.975min (-0.021) 2.03ppb

response 42922

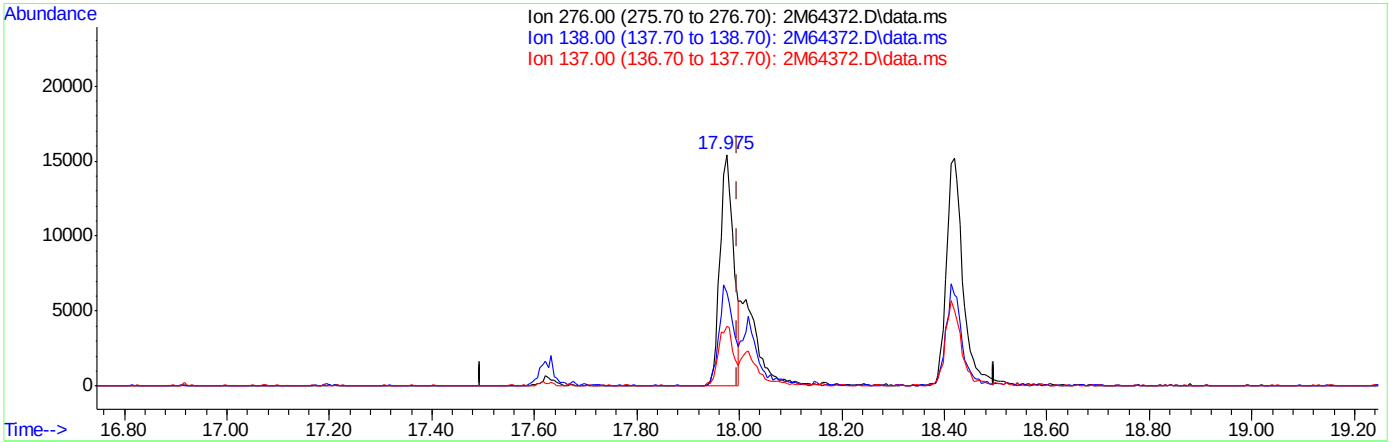
Ion	Exp%	Act%
276.00	100	100
138.00	30.00	40.09
137.00	20.70	25.71
0.00	0.00	0.00

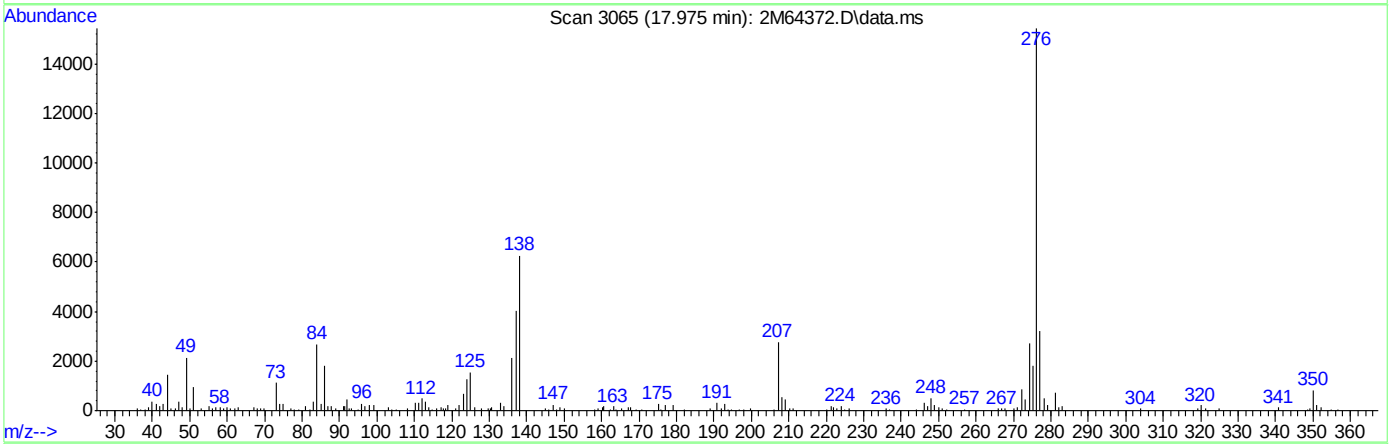
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64372.D
Acq On : 12 Jun 2014 7:48 pm
Operator : saumilp
Sample : IC2729-2
Misc : op75065,E2M2729
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 10:04:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:02:17 2014
QLast Update : Fri Jun 13 10:03:01 2014
Response via : Initial Calibration





TIC: 2M64372.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.975min (-0.021) 1.32ppb m

response 27866

Ion	Exp%	Act%
276.00	100	100
138.00	30.00	40.50
137.00	20.70	26.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/16/14 12:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64373.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : IC2729-1
Misc : op75065,E2M2729
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 10:07:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:03:01 2014
QLast Update : Fri Jun 13 10:04:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	287386	40.00	ppb	0.00
24) Naphthalene-d8	5.871	136	1169439	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	644796	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1008708	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	892816	40.00	ppb	-0.01
92) Perylene-d12	16.418	264	717263	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	287386	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	644796	40.00	ppb	0.00
107) Chrysene-d12a	14.306	240	892816	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.134	188	1008708	40.00	ppb	0.00
113) Naphthalene-d8a	5.871	136	1169439	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.774	112	10898	0.96	ppb	0.00
Spiked Amount 50.000			Recovery =	1.92%		
8) Phenol-d5	4.486	99	14549	0.99	ppb	0.00
Spiked Amount 50.000			Recovery =	1.98%		
25) Nitrobenzene-d5	5.213	82	12834	1.04	ppb	0.00
Spiked Amount 50.000			Recovery =	2.08%		
51) 2-Fluorobiphenyl	7.074	172	22619	1.04	ppb	0.00
Spiked Amount 50.000			Recovery =	2.08%		
73) 2,4,6-Tribromophenol	9.085	330	1651	0.73	ppb	0.00
Spiked Amount 50.000			Recovery =	1.46%		
85) Terphenyl-d14	12.685	244	17369	0.89	ppb	0.00
Spiked Amount 50.000			Recovery =	1.78%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.341	88	5859	1.02	ppb	89
3) Pyridine	2.667	79	14306	1.04	ppb	96
4) N-Nitrosodimethylamine	2.624	74	7878	1.02	ppb	94
6) Indene	4.972	116	22169	1.13	ppb	98
7) Cumene	4.170	105	33959	1.12	ppb	98
9) Phenol	4.491	94	17420	1.05	ppb	94
10) Aniline	4.512	93	20770	1.06	ppb	99
11) bis(2-Chloroethyl)ether	4.561	93	11854	1.05	ppb	97
12) 2-Chlorophenol	4.603	128	12652	1.05	ppb	99
13) Decane	4.646	43	9136	1.15	ppb	95
14) 1,3-Dichlorobenzene	4.726	146	13947	1.06	ppb	97
15) 1,4-Dichlorobenzene	4.780	146	14535	1.10	ppb	95
16) Benzyl alcohol	4.871	108	8847	1.03	ppb	97
17) 1,2-Dichlorobenzene	4.903	146	13297	1.08	ppb	97
18) Acetophenone	5.085	105	19551	1.21	ppb	97
19) 2-Methylphenol	4.956	108	12455	1.11	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.978	45	11560	1.15	ppb	81
21) 3&4-Methylphenol	5.079	108	12824	1.16	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64373.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : IC2729-1
Misc : op75065,E2M2729
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 10:07:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:03:01 2014
QLast Update : Fri Jun 13 10:04:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.085	70	7906	1.12	ppb		99
23) Hexachloroethane	5.181	201	3891	1.05	ppb		86
26) Nitrobenzene	5.229	77	13485	1.05	ppb		95
27) Quinoline	6.235	129	24607	1.02	ppb		96
28) Isophorone	5.432	82	22784	1.00	ppb		99
29) 2-Nitrophenol	5.507	139	5666	0.90	ppb		85
30) 2,4-Dimethylphenol	5.539	107	12419	1.04	ppb		94
31) Benzoic acid	5.582	105	3606	0.45	ppb		88
32) bis(2-Chloroethoxy)met...	5.625	93	13345	1.06	ppb		98
33) 2,4-Dichlorophenol	5.732	162	7921	0.90	ppb		94
34) 2,6-Dichlorophenol	5.951	162	8723	1.01	ppb		95
35) 1,3,5-Trichlorobenzene	5.523	180	10474	1.05	ppb		93
36) 1,2,4-Trichlorobenzene	5.817	180	9570	1.01	ppb		91
37) 1,2,3-Trichlorobenzene	6.042	180	10122	1.08	ppb		98
38) Naphthalene	5.892	128	38891	1.12	ppb		100
39) 4-Chloroaniline	5.940	127	15104	1.03	ppb		97
40) 2,3-Dichloroaniline	6.967	161	11329	1.06	ppb		92
41) Caprolactam	6.267	55	4025	0.91	ppb		88
42) Hexachlorobutadiene	6.026	225	4729	1.06	ppb		98
43) 4-Chloro-3-methylphenol	6.454	107	9764	0.92	ppb		98
44) 2-Methylnaphthalene	6.636	141	20637	1.07	ppb		98
45) 1-Methylnaphthalene	6.748	142	24174	1.08	ppb		97
46) Dimethylnaphthalene	7.401	156	20012	1.01	ppb		99
48) Hexachlorocyclopentadiene	6.834	237	6983	1.51	ppb		95
49) 2,4,6-Trichlorophenol	6.973	196	4537	0.82	ppb		92
50) 2,4,5-Trichlorophenol	7.016	196	4990	0.82	ppb		96
52) 2-Chloronaphthalene	7.219	162	21290	1.05	ppb		98
53) Biphenyl	7.203	154	29502	1.09	ppb		99
54) 2-Nitroaniline	7.347	65	4981	0.82	ppb		86
55) Dimethylphthalate	7.604	163	21855	1.02	ppb		98
56) Acenaphthylene	7.759	152	32190	0.97	ppb		99
57) 2,6-Dinitrotoluene	7.673	165	3837	0.76	ppb		80
58) 3-Nitroaniline	7.898	138	5264	0.80	ppb		94
59) Acenaphthene	8.000	153	22333	1.10	ppb		97
60) 2,4-Dinitrophenol	8.042	184	649	0.29	ppb	#	64
61) 4-Nitrophenol	8.149	109	2186	0.67	ppb		85
62) Dibenzofuran	8.240	168	30077	1.08	ppb		97
63) 2,4-Dinitrotoluene	8.230	165	5320	0.79	ppb		94
64) 2,3,4,6-Tetrachlorophenol	8.422	232	3490	0.79	ppb		93
65) Diethylphthalate	8.604	149	20730	0.97	ppb		97
66) Fluorene	8.732	166	22446	1.02	ppb		98
67) 4-Chlorophenyl-phenyle...	8.748	204	9905	1.04	ppb		99
68) 4-Nitroaniline	8.759	138	5586	0.84	ppb		98
70) 4,6-Dinitro-2-methylph...	8.818	198	892	0.28	ppb		79
71) n-Nitrosodiphenylamine	8.925	169	14064	0.95	ppb		96
72) 1,2-Diphenylhydrazine	8.979	77	24394	0.99	ppb		94
74) 4-Bromophenyl-phenylether	9.476	248	4553	0.96	ppb		93
75) Hexachlorobenzene	9.556	284	6040	1.07	ppb		94
76) Pentachlorophenol	9.861	266	3240	1.02	ppb		98
77) Phenanthrene	10.166	178	34184	1.09	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64373.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : IC2729-1
Misc : op75065,E2M2729
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 10:07:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:03:01 2014
QLast Update : Fri Jun 13 10:04:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.241	178	31196	0.99	ppb	98
79) Carbazole	10.508	167	30130	0.97	ppb	96
80) Di-n-butylphthalate	11.145	149	28534	0.82	ppb	99
81) Fluoranthene	12.022	202	27845	0.93	ppb	98
82) Octadecane	10.086	57	11244	0.86	ppb	94
84) Pyrene	12.370	202	30837	0.94	ppb	95
86) Butylbenzylphthalate	13.519	149	11263	0.74	ppb	99
87) Butyl stearate	13.691	56	5881	0.70	ppb	88
88) Benzo[a]anthracene	14.295	228	26985	1.00	ppb	94
89) 3,3'-Dichlorobenzidine	14.295	252	6795	0.72	ppb	88
90) Chrysene	14.343	228	28624	1.07	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.482	149	13342	0.64	ppb	97
93) Di-n-octylphthalate	15.466	149	16354	0.50	ppb	99
94) Benzo[b]fluoranthene	15.889	252	22834	0.88	ppb	92
95) Benzo[k]fluoranthene	15.932	252	24986	1.00	ppb	97
96) Benzo[a]pyrene	16.333	252	17559	0.80	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.975	276	14036m	0.68	ppb	
98) Dibenz(a,h)acridine	17.622	279	12416	0.67	ppb	95
99) Dibenz[a,h]anthracene	18.018	278	16356	0.75	ppb	85
100) 7,12-Dimethylbenz(a)an...	15.894	256	7658	0.67	ppb	97
101) Benzo[g,h,i]perylene	18.419	276	16815	0.82	ppb	93

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

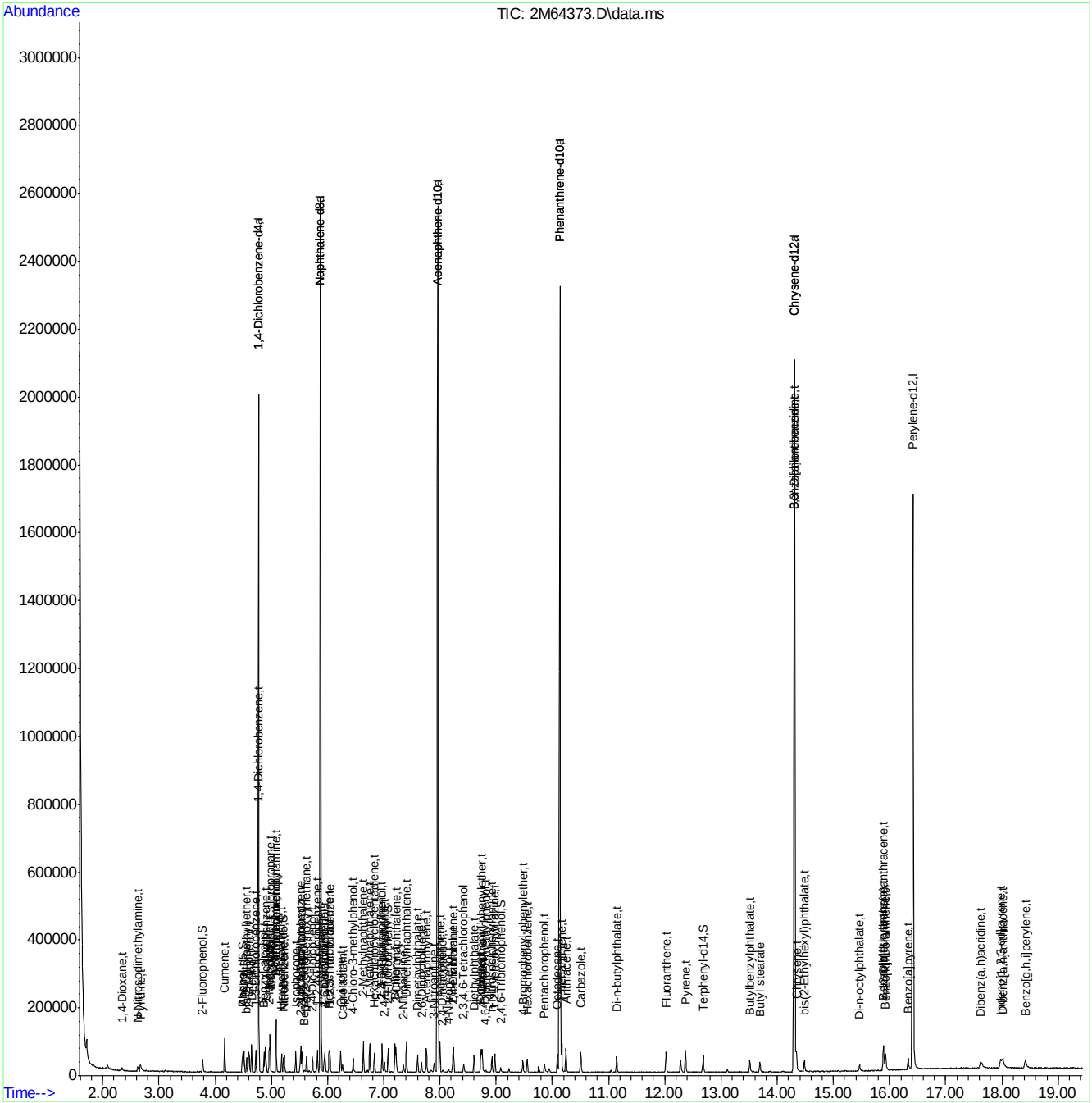
9.6.36

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64373.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : IC2729-1
Misc : op75065,E2M2729
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 10:07:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:03:01 2014
QLast Update : Fri Jun 13 10:04:26 2014
Response via : Initial Calibration



Manual Integration Approval Summary

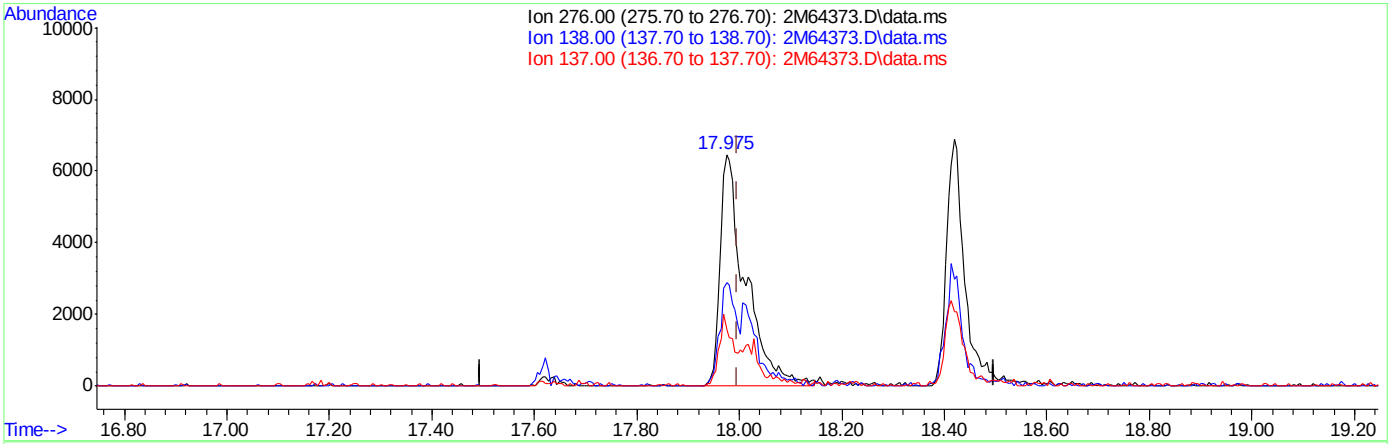
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64373.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 20:14	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

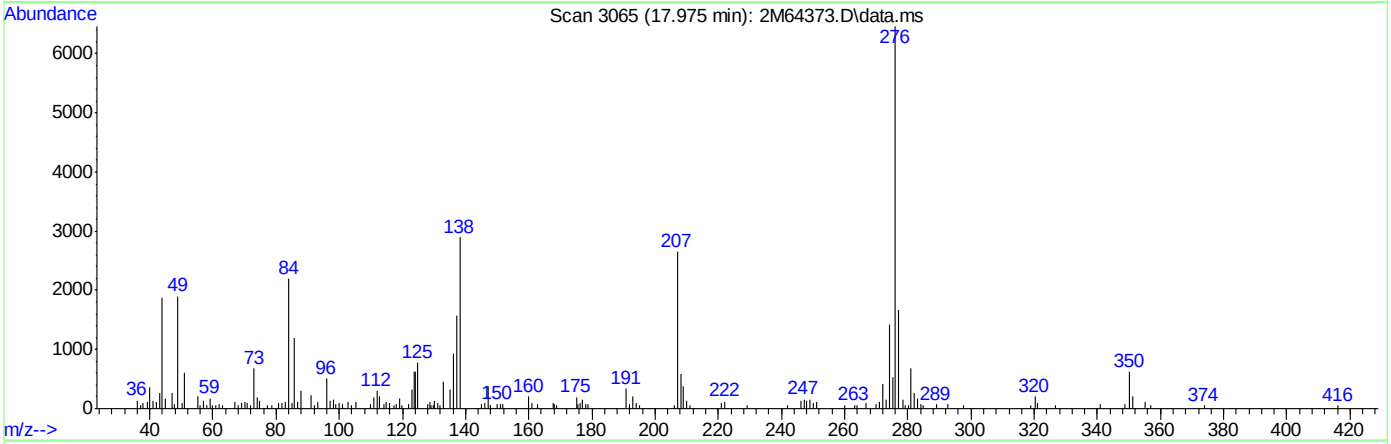
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		17.97	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64373.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : IC2729-1
Misc : op75065,E2M2729
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 10:04:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:03:01 2014
QLast Update : Fri Jun 13 10:04:26 2014
Response via : Initial Calibration





TIC: 2M64373.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.975min (-0.021) 1.06ppb

response 22019

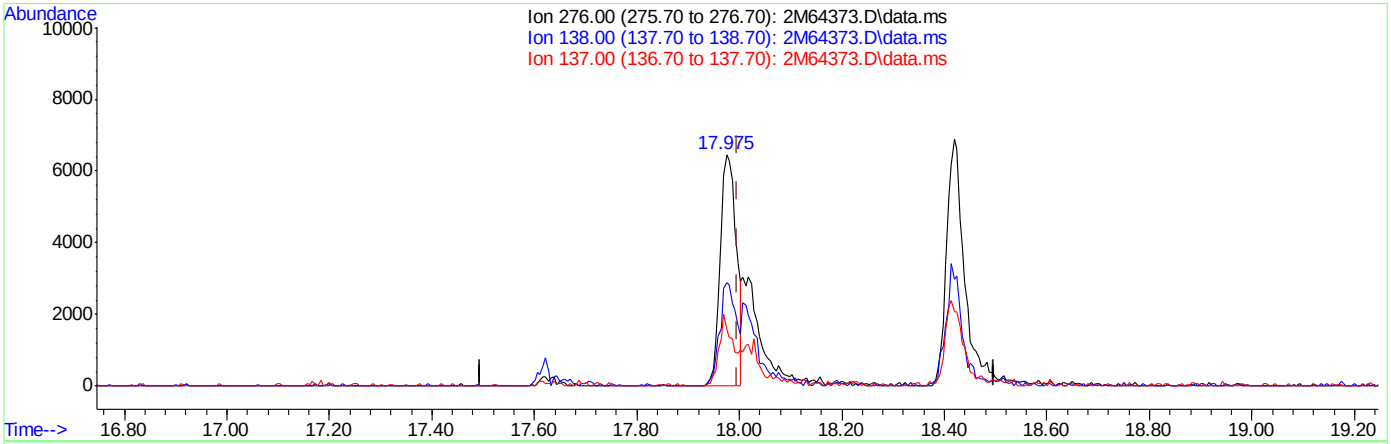
Ion	Exp%	Act%
276.00	100	100
138.00	30.00	44.33
137.00	20.70	23.77
0.00	0.00	0.00

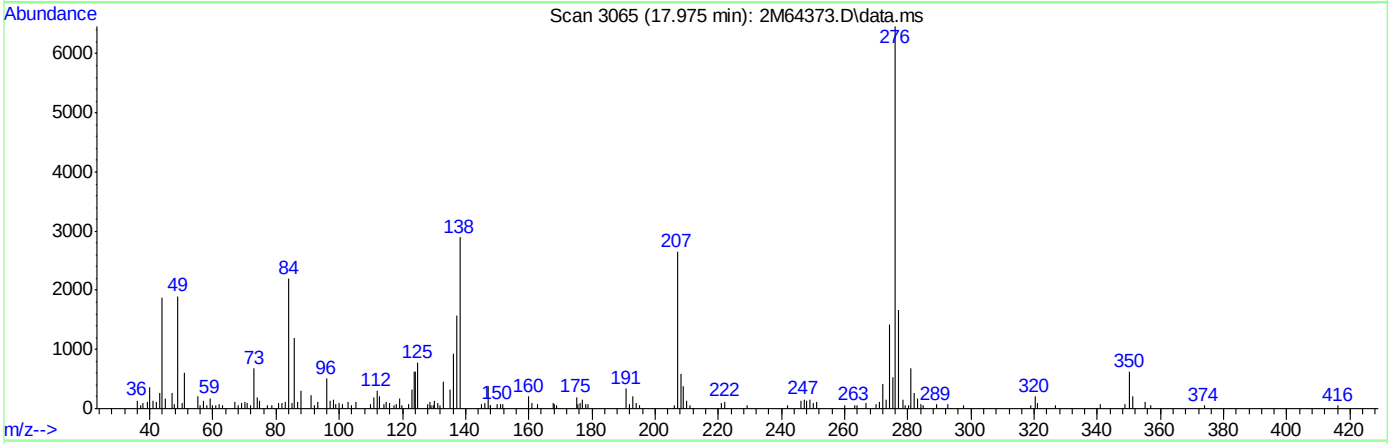
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2729\
Data File : 2M64373.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : IC2729-1
Misc : op75065,E2M2729
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 10:07:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:03:01 2014
QLast Update : Fri Jun 13 10:04:26 2014
Response via : Initial Calibration





TIC: 2M64373.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.975min (-0.021) 0.68ppb m

response 14036

Ion	Exp%	Act%
276.00	100	100
138.00	30.00	44.86
137.00	20.70	24.37
0.00	0.00	0.00

9.6.36.3

9

ACCUTEST LABORATORIES JB68318

2M64373.D edits: Indeno[1,2,3-cd]pyrene

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64375.D
Acq On : 13 Jun 2014 10:30 am
Operator : saumilp
Sample : ic2730-100
Misc : op75065,E2M2730,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 12:45:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:09:49 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

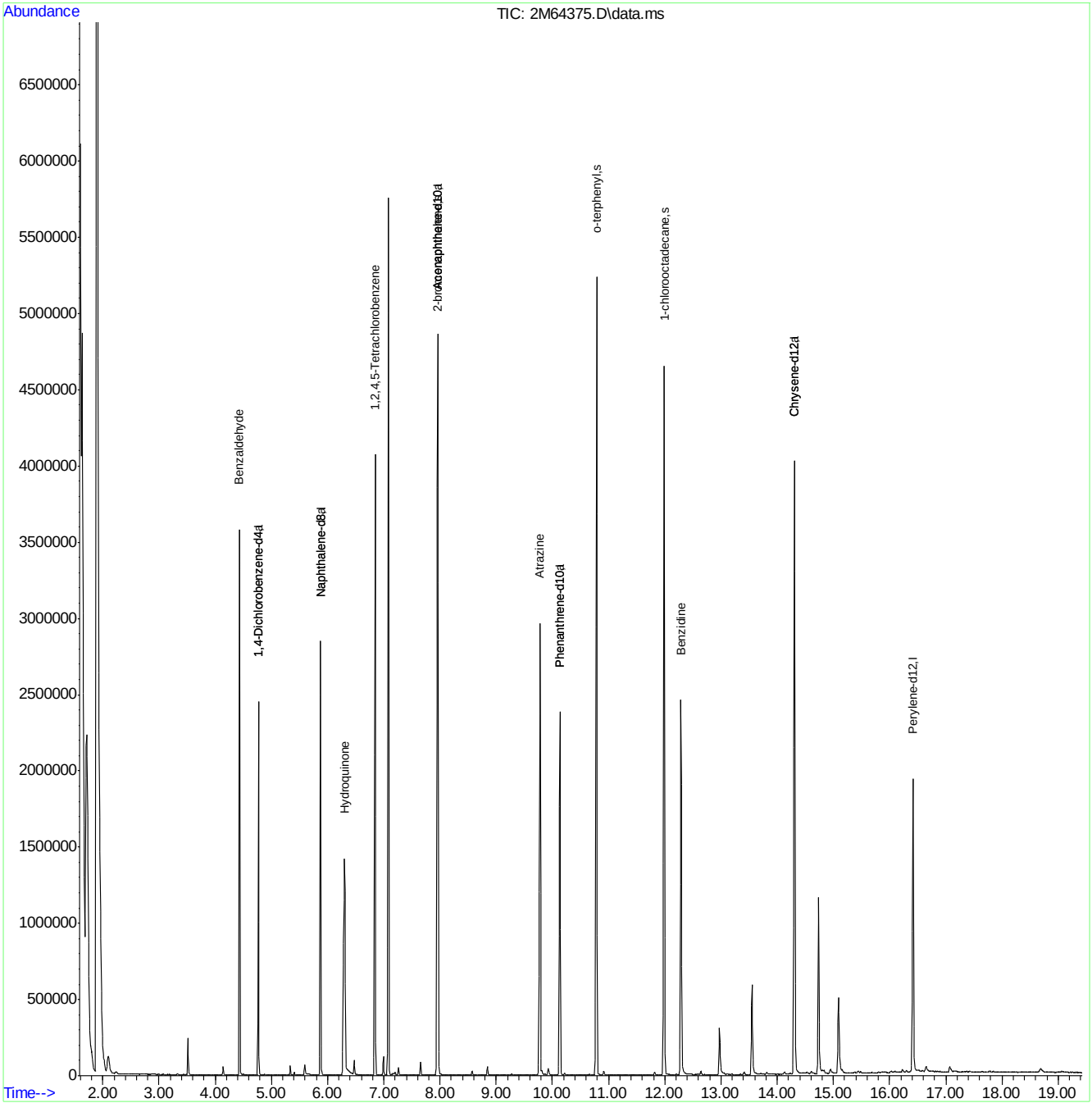
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	307270	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1254464	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	624700	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1054453	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	940072	40.00	ppb	0.00
92) Perylene-d12	16.418	264	835583	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	307270	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	624700	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	940072	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1054453	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1254464	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	7.952	127	972612	100.00	ppb	0.00
109) 1-chlorooctadecane	11.990	57	739521	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
112) o-terphenyl	10.786	230	1377717	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.438	105	692862	100.00	ppb	100
105) 1,2,4,5-Tetrachloroben...	6.844	216	774848	100.00	ppb	100
108) Benzidine	12.289	184	1243013	100.00	ppb	100
111) Atrazine	9.786	215	300326	100.00	ppb	100
114) Hydroquinone	6.304	110	1324284	100.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64375.D
Acq On : 13 Jun 2014 10:30 am
Operator : saumilp
Sample : ic2730-100
Misc : op75065,E2M2730,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 12:45:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 10:09:49 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64376.D
Acq On : 13 Jun 2014 10:56 am
Operator : saumilp
Sample : ic2730-80
Misc : op75065,E2M2730,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 12:46:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

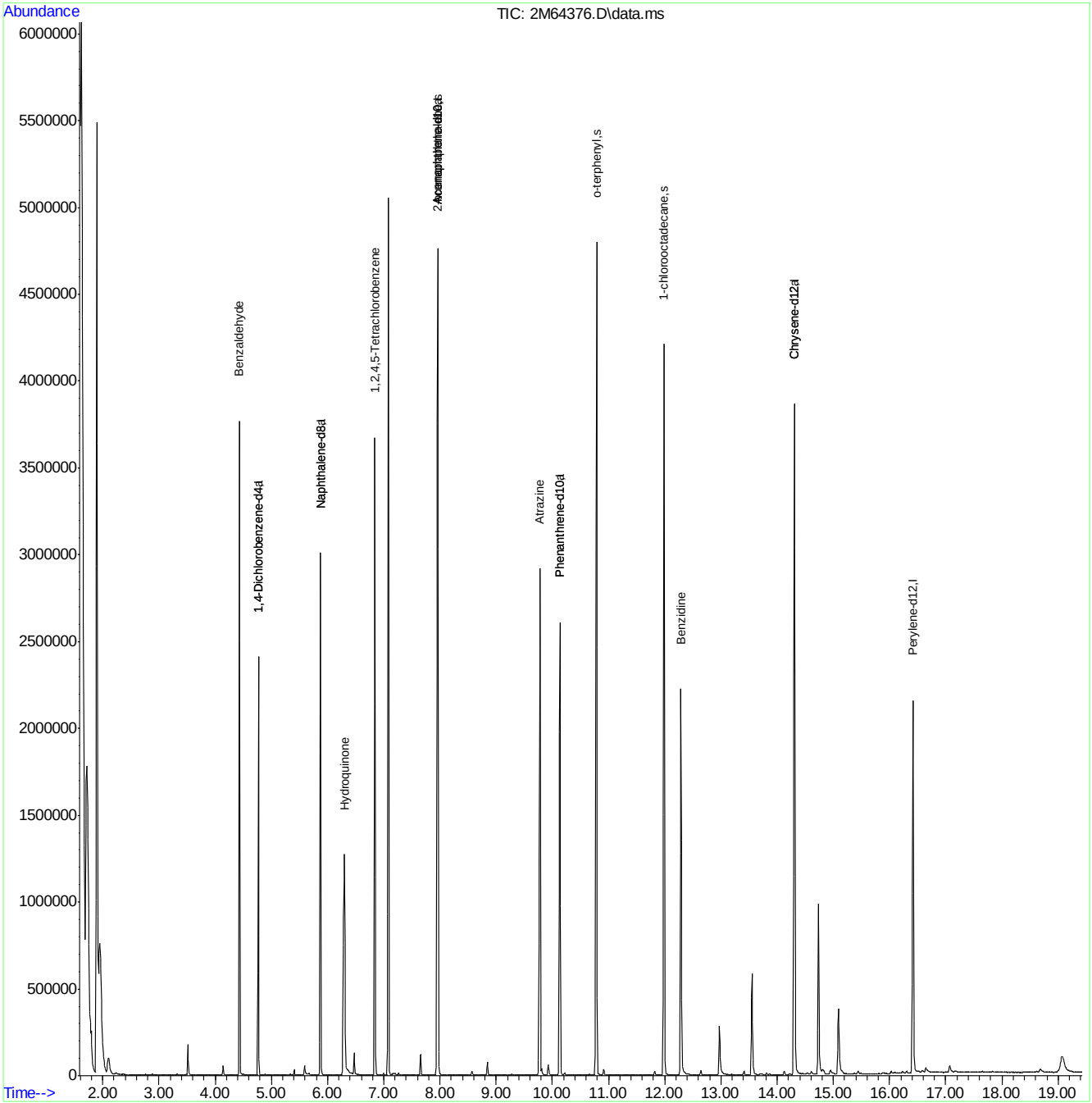
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	335358	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1362402	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	694201	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1165786	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	1026038	40.00	ppb	0.00
92) Perylene-d12	16.419	264	908768	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	335358	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	694201	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	1026038	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1165786	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1362402	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	7.952	127	874254	80.89	ppb	0.00
109) 1-chlorooctadecane	11.985	57	669795	82.98	ppb	0.00
Spiked Amount 50.000			Recovery =	165.96%		
112) o-terphenyl	10.786	230	1254254	82.34	ppb	0.00
Spiked Amount 50.000			Recovery =	164.68%		
Target Compounds						Qvalue
103) Benzaldehyde	4.432	105	651062	86.10	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.839	216	689800	80.11	ppb	98
108) Benzidine	12.289	184	1091054	80.42	ppb	99
111) Atrazine	9.781	215	270166	81.37	ppb	94
114) Hydroquinone	6.304	110	1174542	81.67	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64376.D
Acq On : 13 Jun 2014 10:56 am
Operator : saumilp
Sample : ic2730-80
Misc : op75065,E2M2730,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 12:46:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



M2M2729.M Fri Jun 13 12:46:45 2014 MS2M Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64377.D
Acq On : 13 Jun 2014 11:22 am
Operator : saumilp
Sample : icc2730-50
Misc : op75065,E2M2730,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 12:48:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

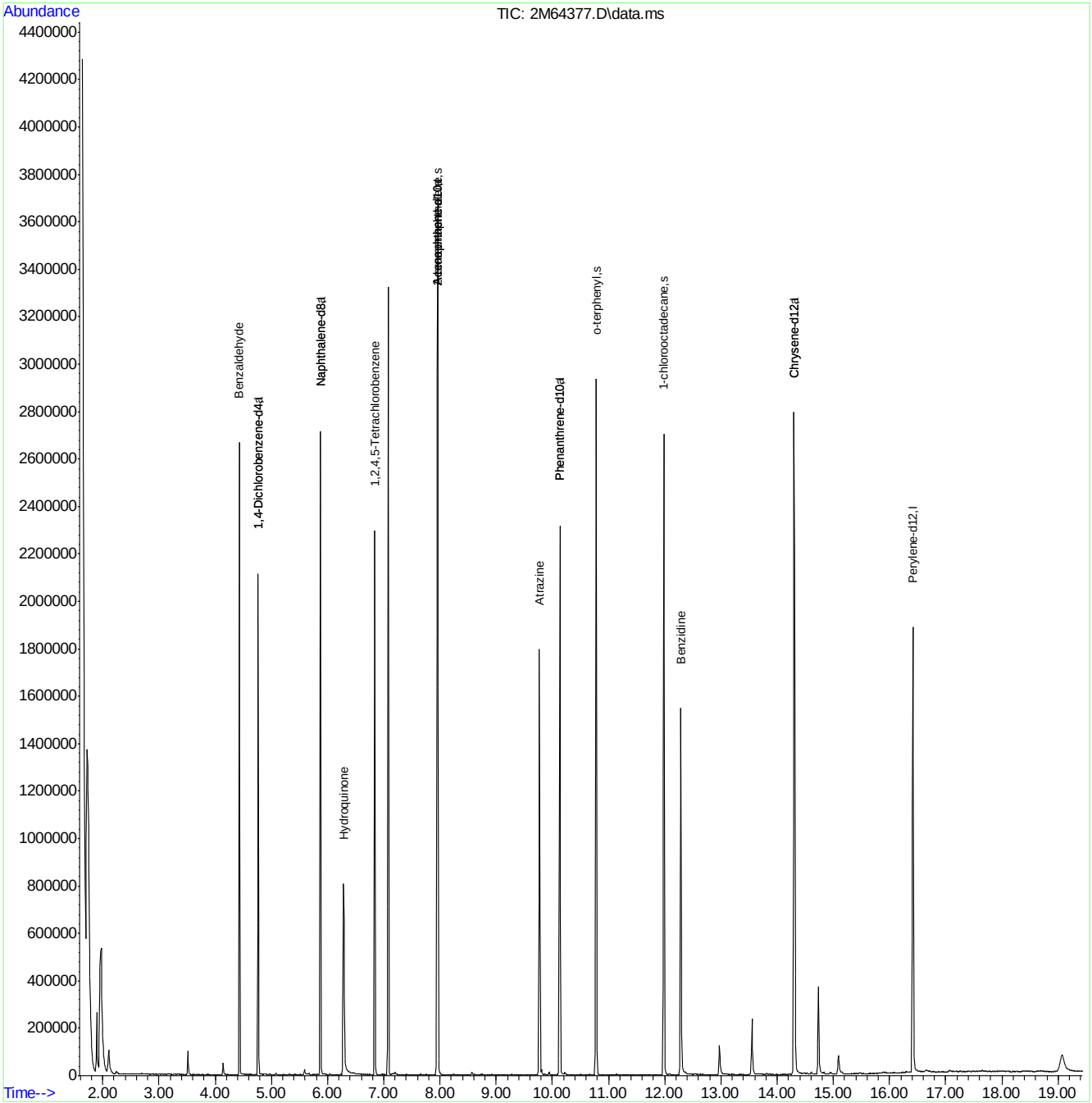
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	302776	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1214961	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	633615	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1017019	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	891749	40.00	ppb	0.00
92) Perylene-d12	16.419	264	779833	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	302776	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	633615	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	891749	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1017019	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1214961	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	7.952	127	504201	51.11	ppb	0.00
109) 1-chlorooctadecane	11.985	57	399103	56.89	ppb	0.00
Spiked Amount 50.000			Recovery =	113.78%		
112) o-terphenyl	10.781	230	682140	51.33	ppb	0.00
Spiked Amount 50.000			Recovery =	102.66%		
Target Compounds						Qvalue
103) Benzaldehyde	4.432	105	437697	64.11	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.839	216	392858	49.99	ppb	98
108) Benzidine	12.284	184	734122	62.26	ppb	99
111) Atrazine	9.770	215	143924	49.69	ppb	91
114) Hydroquinone	6.288	110	620361	48.37	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64377.D
Acq On : 13 Jun 2014 11:22 am
Operator : saumilp
Sample : icc2730-50
Misc : op75065,E2M2730,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 12:48:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



M2M2729.M Fri Jun 13 12:48:22 2014 MS2M Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64378.D
Acq On : 13 Jun 2014 11:49 am
Operator : saumilp
Sample : ic2730-25
Misc : op75065,E2M2730,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 12:49:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

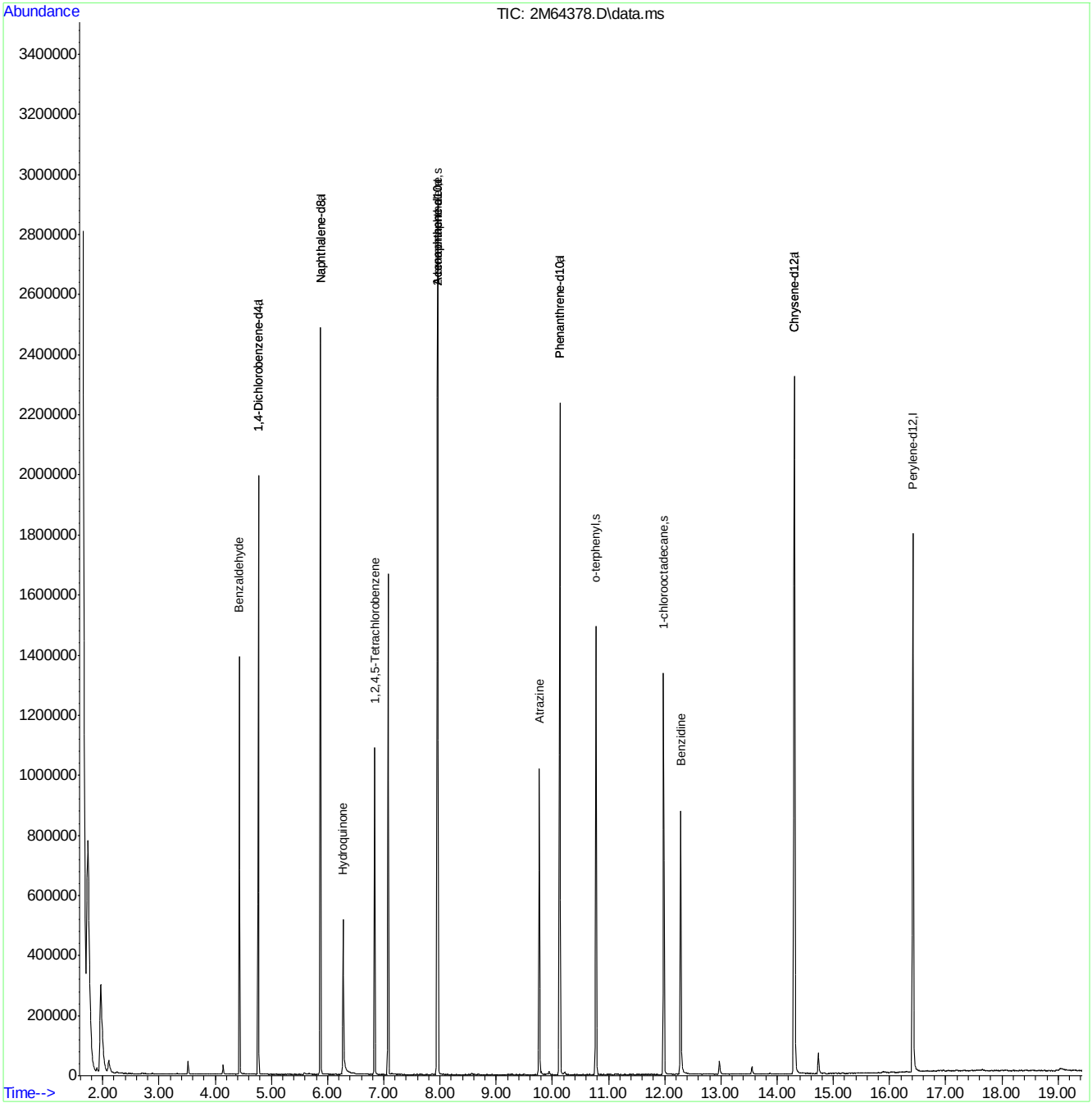
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	283286	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1141648	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	621822	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	975955	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	880286	40.00	ppb	-0.01
92) Perylene-d12	16.419	264	750908	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	283286	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	621822	40.00	ppb	0.00
107) Chrysene-d12a	14.306	240	880286	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	975955	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1141648	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	7.952	127	251301	25.96	ppb	0.00
109) 1-chlorooctadecane	11.979	57	202642	29.26	ppb	-0.01
Spiked Amount 50.000			Recovery =	58.52%		
112) o-terphenyl	10.776	230	336194	26.36	ppb	-0.01
Spiked Amount 50.000			Recovery =	52.72%		
Target Compounds						Qvalue
103) Benzaldehyde	4.432	105	229690	35.96	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.839	216	189291	24.54	ppb	98
108) Benzidine	12.284	184	429000	36.86	ppb	98
111) Atrazine	9.765	215	69491	25.00	ppb	86
114) Hydroquinone	6.278	110	272852	22.64	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64378.D
Acq On : 13 Jun 2014 11:49 am
Operator : saumilp
Sample : ic2730-25
Misc : op75065,E2M2730,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 12:49:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64380.D
Acq On : 13 Jun 2014 12:42 pm
Operator : saumilp
Sample : ic2730-5
Misc : op75065,E2M2730,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 13:03:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

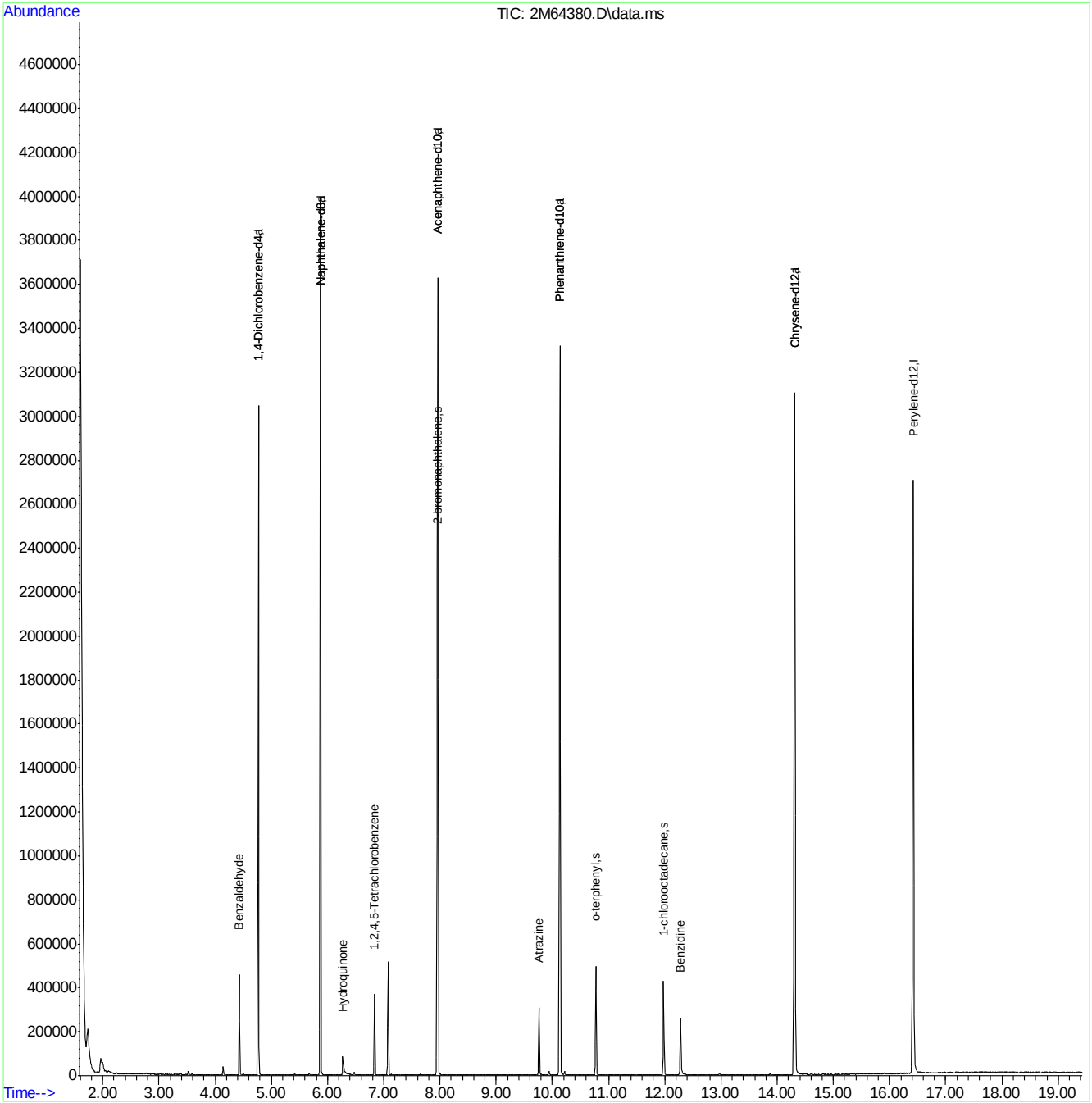
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	442192	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1766482	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	980031	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1526597	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	1381661	40.00	ppb	0.00
92) Perylene-d12	16.424	264	1224675	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	442192	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	980031	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	1381661	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1526597	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1766482	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	7.946	127	81190	5.32	ppb	0.00
109) 1-chlorooctadecane	11.979	57	60560	5.57	ppb	-0.01
Spiked Amount 50.000			Recovery =	11.14%		
112) o-terphenyl	10.776	230	105128	5.27	ppb	-0.01
Spiked Amount 50.000			Recovery =	10.54%		
Target Compounds						Qvalue
103) Benzaldehyde	4.432	105	73904	7.41	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.839	216	61759	5.08	ppb	98
108) Benzidine	12.279	184	123147	6.74	ppb	98
111) Atrazine	9.760	215	19835	4.56	ppb	85
114) Hydroquinone	6.272	110	60099	3.22	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64380.D
Acq On : 13 Jun 2014 12:42 pm
Operator : saumilp
Sample : ic2730-5
Misc : op75065,E2M2730,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 13:03:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64390.D
Acq On : 13 Jun 2014 1:09 pm
Operator : saumilp
Sample : ic2730-10
Misc : op75065,E2M2730,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 13 13:36:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

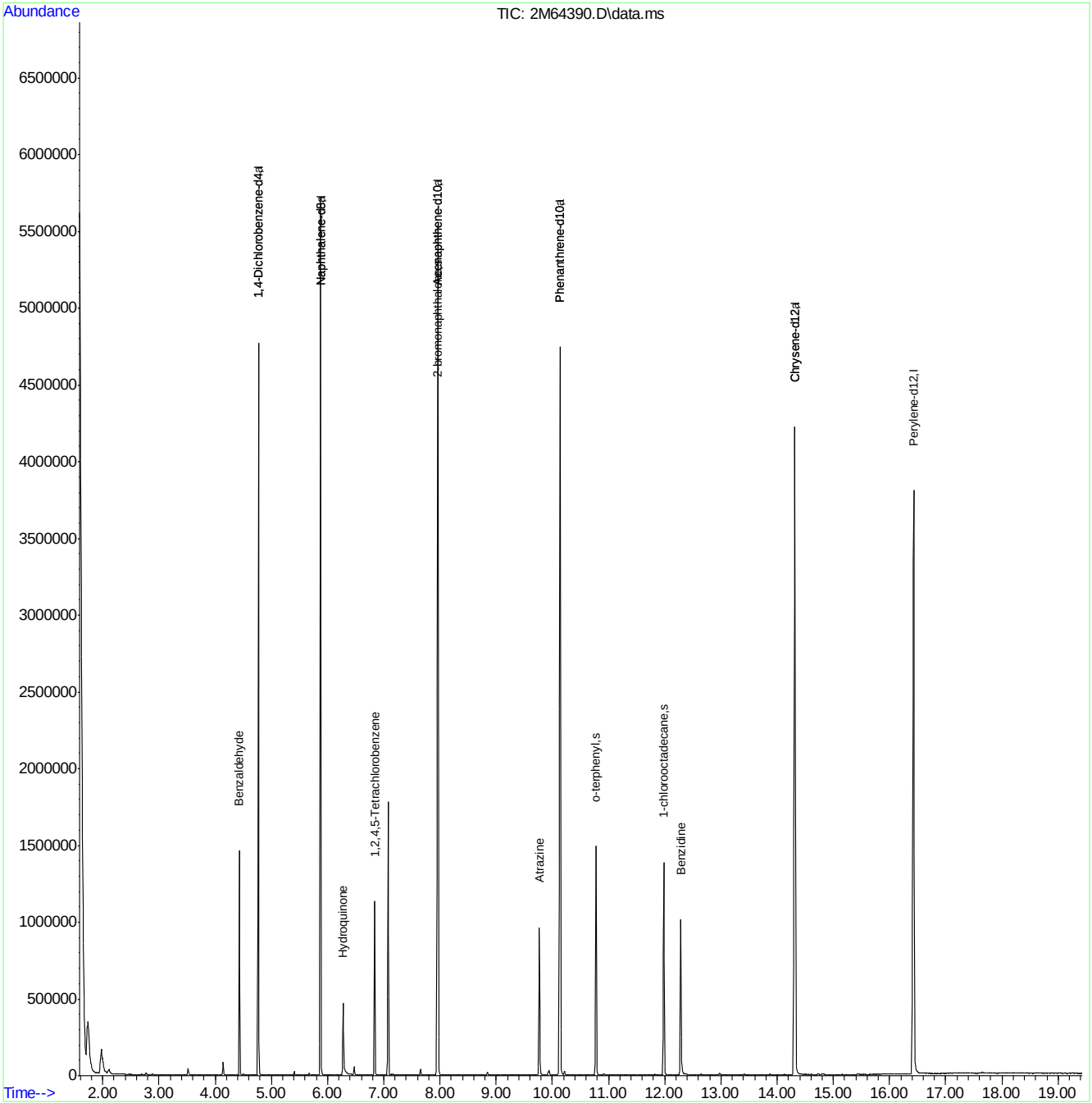
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	652629	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	2614905	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	1455119	40.00	ppb	0.00
69) Phenanthrene-d10	10.139	188	2384542	40.00	ppb	0.00
83) Chrysene-d12	14.317	240	2198009	40.00	ppb	0.00
92) Perylene-d12	16.429	264	1998008	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	4.769	152	652629	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	1455119	40.00	ppb	0.00
107) Chrysene-d12a	14.317	240	2198009	40.00	ppb	0.00
110) Phenanthrene-d10a	10.139	188	2384542	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	2614905	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	7.952	127	246519	10.88	ppb	0.00
109) 1-chlorooctadecane	11.985	57	207518	12.00	ppb	0.00
Spiked Amount 50.000			Recovery =	24.00%		
112) o-terphenyl	10.781	230	348477	11.19	ppb	0.00
Spiked Amount 50.000			Recovery =	22.38%		
Target Compounds						Qvalue
103) Benzaldehyde	4.432	105	236576	16.08	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.839	216	192537	10.67	ppb	99
108) Benzidine	12.284	184	473415	16.29	ppb	98
111) Atrazine	9.770	215	70063	10.32	ppb	92
114) Hydroquinone	6.278	110	255271	9.25	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64390.D
Acq On : 13 Jun 2014 1:09 pm
Operator : saumilp
Sample : ic2730-10
Misc : op75065,E2M2730,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 13 13:36:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64381.D
Acq On : 13 Jun 2014 1:35 pm
Operator : saumilp
Sample : ic2730-2
Misc : op75065,E2M2730,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 14:03:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

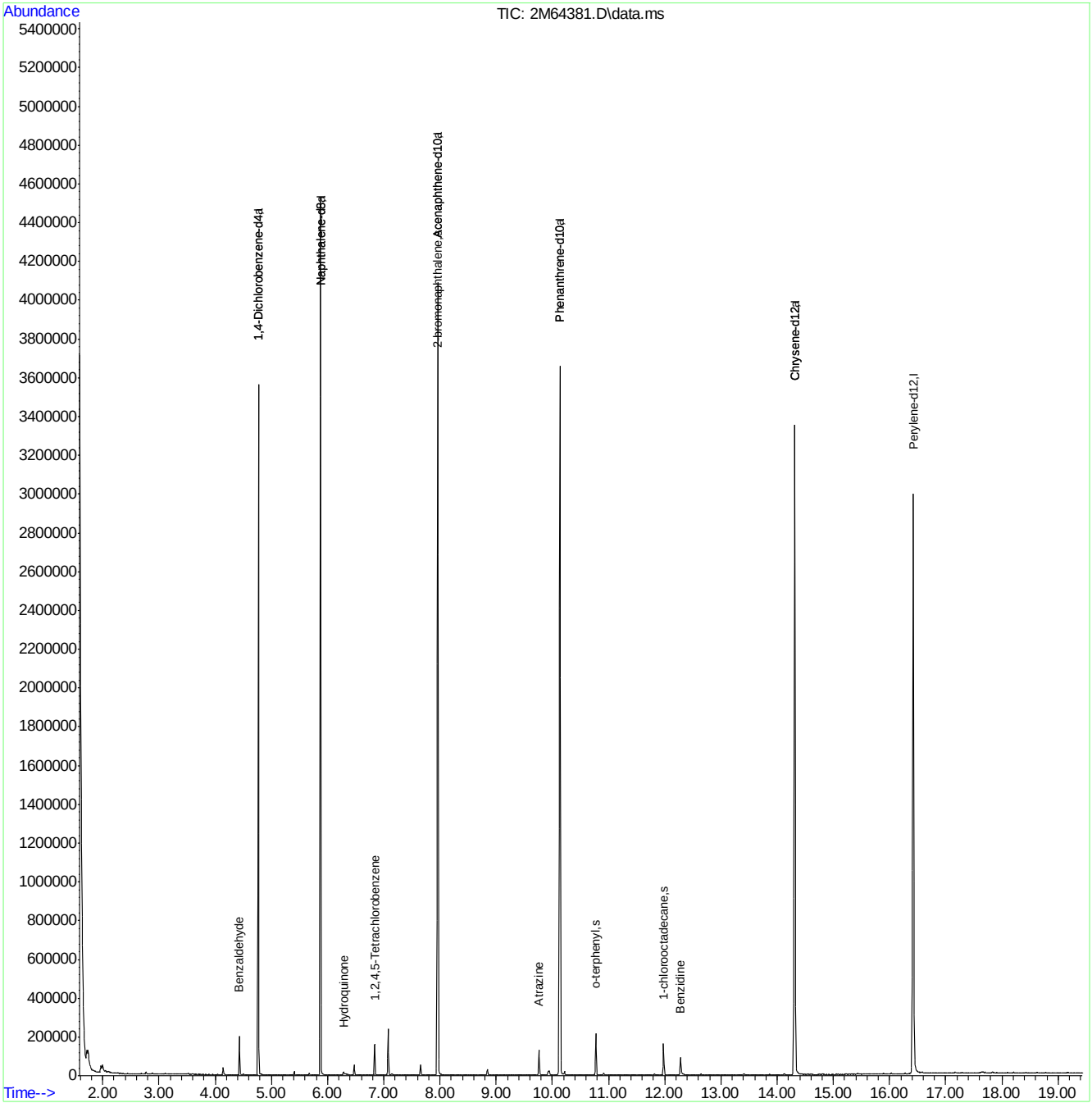
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	501361	40.00	ppb		0.00
24) Naphthalene-d8	5.876	136	1989664	40.00	ppb		0.00
47) Acenaphthene-d10	7.962	164	1112196	40.00	ppb		0.00
69) Phenanthrene-d10	10.139	188	1730926	40.00	ppb		0.00
83) Chrysene-d12	14.311	240	1555538	40.00	ppb		0.00
92) Perylene-d12	16.424	264	1372071	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	501361	40.00	ppb		0.00
104) Acenaphthene-d10a	7.962	164	1112196	40.00	ppb		0.00
107) Chrysene-d12a	14.311	240	1555538	40.00	ppb		0.00
110) Phenanthrene-d10a	10.139	188	1730926	40.00	ppb		0.00
113) Naphthalene-d8a	5.876	136	1989664	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) 2-bromonaphthalene	7.952	127	35597	2.06	ppb		0.00
109) 1-chlorooctadecane	11.979	57	23456	1.92	ppb		-0.01
Spiked Amount 50.000			Recovery =	3.84%			
112) o-terphenyl	10.776	230	43572	1.93	ppb		-0.01
Spiked Amount 50.000			Recovery =	3.86%			
Target Compounds							Qvalue
103) Benzaldehyde	4.432	105	32303	2.86	ppb		92
105) 1,2,4,5-Tetrachloroben...	6.839	216	27391	1.99	ppb		99
108) Benzidine	12.279	184	42328	2.06	ppb		92
111) Atrazine	9.760	215	7283	1.48	ppb	#	66
114) Hydroquinone	6.288	110	10517	0.50	ppb		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64381.D
Acq On : 13 Jun 2014 1:35 pm
Operator : saumilp
Sample : ic2730-2
Misc : op75065,E2M2730,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 14:03:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64382.D
Acq On : 13 Jun 2014 2:02 pm
Operator : saumilp
Sample : ic2730-1
Misc : op75065,E2M2730,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 14:29:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration

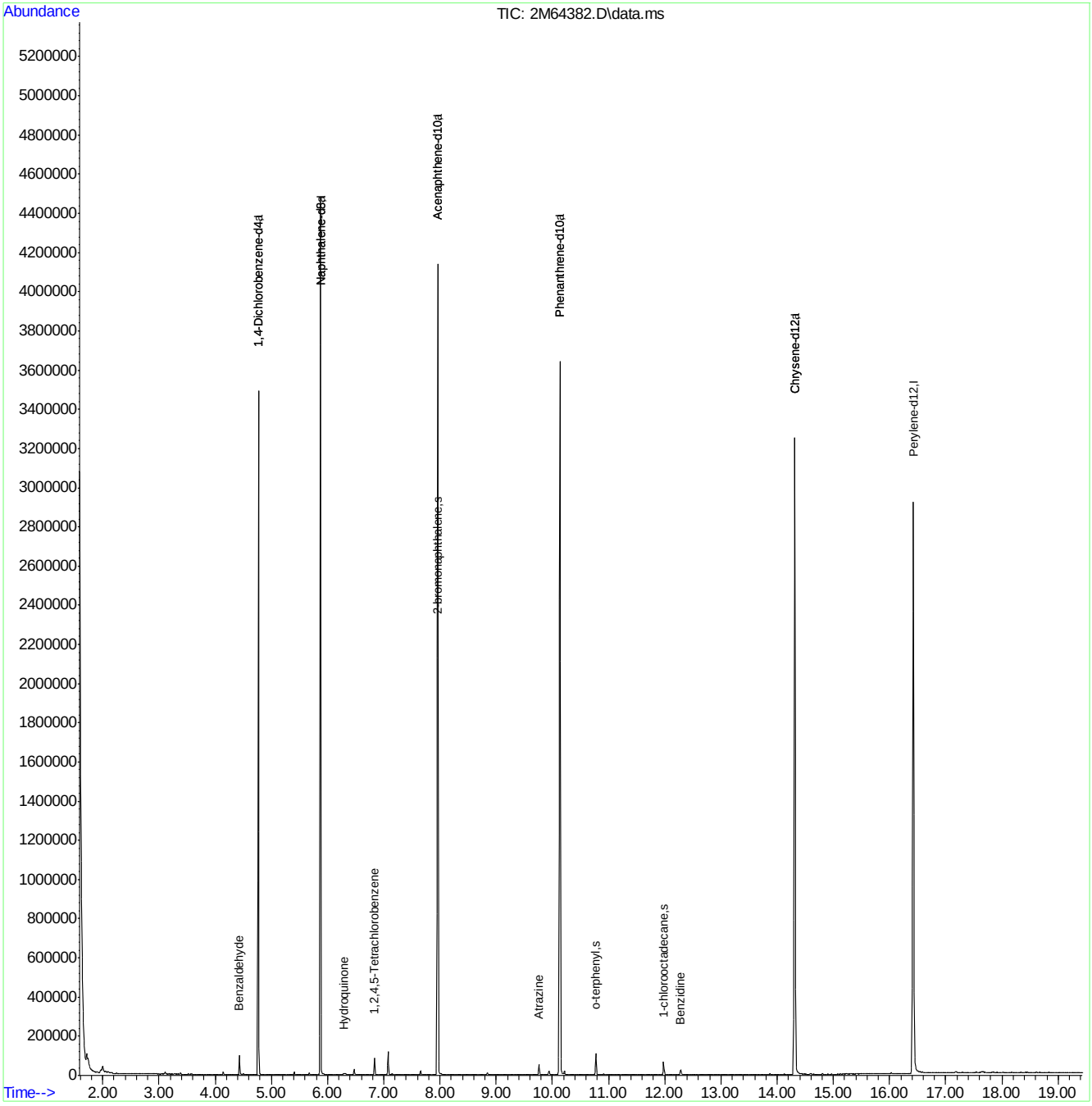
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	504713	40.00	ppb		0.00
24) Naphthalene-d8	5.876	136	2012688	40.00	ppb		0.00
47) Acenaphthene-d10	7.962	164	1120665	40.00	ppb		0.00
69) Phenanthrene-d10	10.139	188	1726023	40.00	ppb		0.00
83) Chrysene-d12	14.311	240	1561724	40.00	ppb		0.00
92) Perylene-d12	16.424	264	1388057	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	504713	40.00	ppb		0.00
104) Acenaphthene-d10a	7.962	164	1120665	40.00	ppb		0.00
107) Chrysene-d12a	14.311	240	1561724	40.00	ppb		0.00
110) Phenanthrene-d10a	10.139	188	1726023	40.00	ppb		0.00
113) Naphthalene-d8a	5.876	136	2012688	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) 2-bromonaphthalene	7.946	127	17595	1.01	ppb		0.00
109) 1-chlorooctadecane	11.979	57	9962	0.81	ppb		-0.01
Spiked Amount 50.000			Recovery =	1.62%			
112) o-terphenyl	10.776	230	21564	0.96	ppb		-0.01
Spiked Amount 50.000			Recovery =	1.92%			
Target Compounds							Qvalue
103) Benzaldehyde	4.432	105	16465	1.45	ppb		94
105) 1,2,4,5-Tetrachloroben...	6.834	216	13866	1.00	ppb		97
108) Benzidine	12.279	184	14869	0.72	ppb		98
111) Atrazine	9.759	215	3169	0.64	ppb	#	83
114) Hydroquinone	6.288	110	7362	0.35	ppb		88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64382.D
Acq On : 13 Jun 2014 2:02 pm
Operator : saumilp
Sample : ic2730-1
Misc : op75065,E2M2730,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 14:29:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 12:43:54 2014
QLast Update : Fri Jun 13 12:43:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64384.D
Acq On : 13 Jun 2014 2:55 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 16:18:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	350428	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1415184	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	773168	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1167422	40.00	ppb	0.00
83) Chrysene-d12	14.316	240	977963	40.00	ppb	0.00
92) Perylene-d12	16.424	264	846504	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	350428	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	773168	40.00	ppb	0.00
107) Chrysene-d12a	14.316	240	977963	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1167422	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1415184	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.656	79	705083	41.86	ppb	100
4) N-Nitrosodimethylamine	2.630	74	415169	43.83	ppb	98
11) bis(2-Chloroethyl)ether	4.561	93	621813	45.03	ppb	96
14) 1,3-Dichlorobenzene	4.726	146	657868	40.85	ppb	100
15) 1,4-Dichlorobenzene	4.785	146	656145	40.15	ppb	99
16) Benzyl alcohol	4.876	108	443343	42.08	ppb	98
17) 1,2-Dichlorobenzene	4.903	146	635671	41.98	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.983	45	538693	43.22	ppb	97
22) n-Nitroso-di-n-propyla...	5.085	70	415256	47.40	ppb	96
23) Hexachloroethane	5.181	201	195743	43.05	ppb	99
26) Nitrobenzene	5.229	77	634306	40.71	ppb	98
28) Isophorone	5.438	82	1124891	40.91	ppb	96
32) bis(2-Chloroethoxy)met...	5.630	93	701977	45.55	ppb	99
36) 1,2,4-Trichlorobenzene	5.823	180	482417	42.05	ppb	97
38) Naphthalene	5.898	128	1762066	41.20	ppb	100
42) Hexachlorobutadiene	6.026	225	234537	43.05	ppb	99
44) 2-Methylnaphthalene	6.641	141	968289	41.11	ppb	99
48) Hexachlorocyclopentadiene	6.839	237	215802	40.12	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64384.D
Acq On : 13 Jun 2014 2:55 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 16:18:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

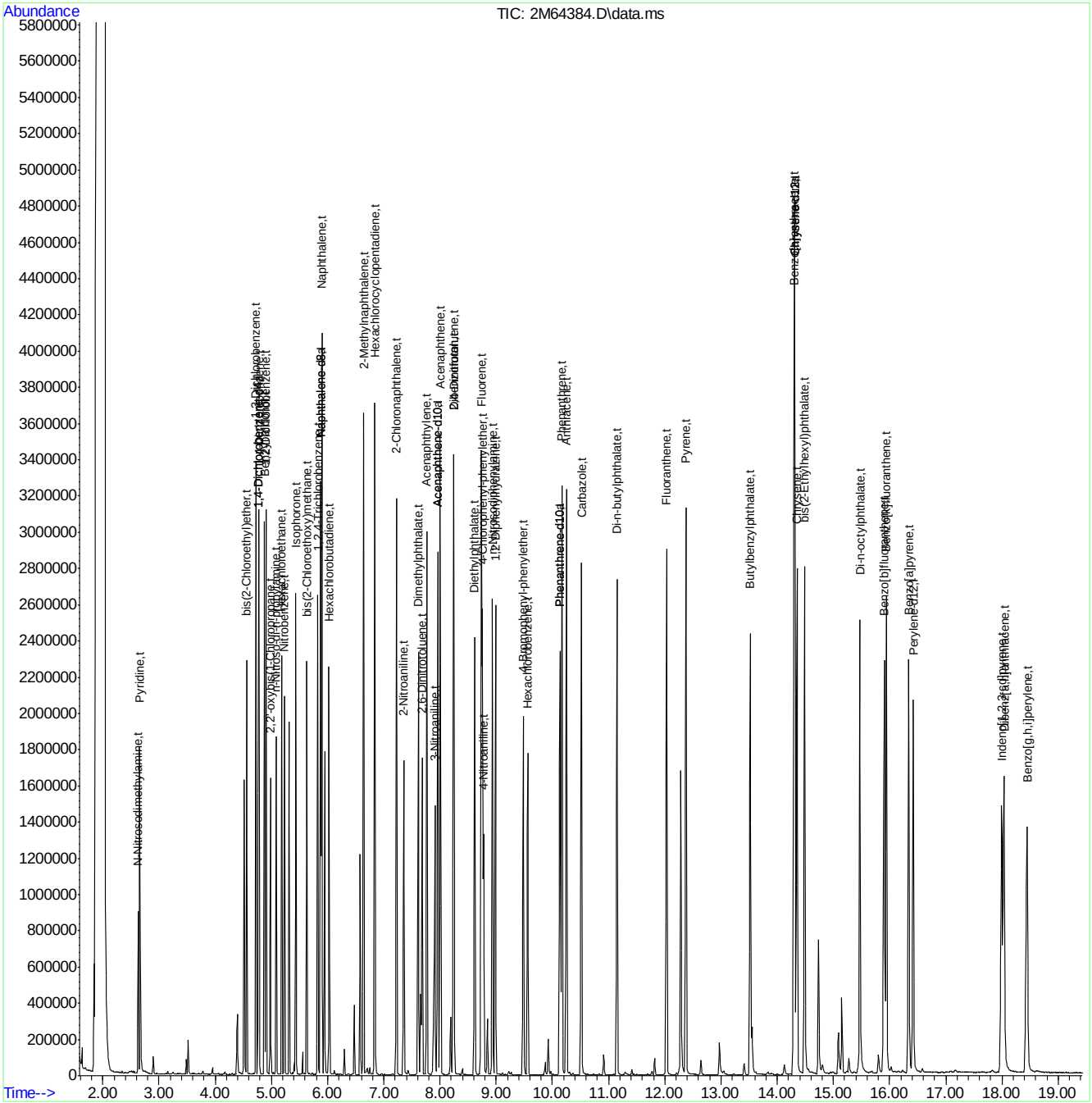
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) 2-Chloronaphthalene	7.224	162	1001993	40.80	ppb	100
54) 2-Nitroaniline	7.358	65	306836	43.12	ppb	98
55) Dimethylphthalate	7.615	163	1121721	43.47	ppb	99
56) Acenaphthylene	7.764	152	1462128	36.88	ppb	100
57) 2,6-Dinitrotoluene	7.684	165	257186	43.83	ppb	95
58) 3-Nitroaniline	7.909	138	299014	38.98	ppb	98
59) Acenaphthene	8.010	153	1065266	43.10	ppb	95
62) Dibenzofuran	8.246	168	1411304	41.77	ppb	100
63) 2,4-Dinitrotoluene	8.240	165	321806	41.13	ppb	99
65) Diethylphthalate	8.615	149	1118587	43.81	ppb	100
66) Fluorene	8.738	166	1153761	43.44	ppb	99
67) 4-Chlorophenyl-phenyle...	8.754	204	514517	44.65	ppb	99
68) 4-Nitroaniline	8.781	138	331251	42.61	ppb	99
71) n-Nitrosodiphenylamine	8.930	169	807886	47.34	ppb	99
72) 1,2-Diphenylhydrazine	8.989	77	1240221	43.52	ppb	100
74) 4-Bromophenyl-phenylether	9.481	248	255341	46.85	ppb	98
75) Hexachlorobenzene	9.561	284	283164	43.04	ppb	99
77) Phenanthrene	10.171	178	1543090	41.98	ppb	99
78) Anthracene	10.251	178	1580515	43.40	ppb	99
79) Carbazole	10.519	167	1527501	42.83	ppb	100
80) Di-n-butylphthalate	11.150	149	1851194	47.18	ppb	100
81) Fluoranthene	12.033	202	1517259	44.19	ppb	100
84) Pyrene	12.380	202	1591050	44.65	ppb	99
86) Butylbenzylphthalate	13.525	149	777269	48.19	ppb	97
88) Benzo[a]anthracene	14.300	228	1260404	42.49	ppb	99
90) Chrysene	14.359	228	1303423	44.20	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.488	149	1080076	49.74	ppb	100
93) Di-n-octylphthalate	15.472	149	1828809	47.48	ppb	99
94) Benzo[b]fluoranthene	15.905	252	1205618	40.00	ppb	97
95) Benzo[k]fluoranthene	15.942	252	1253912	42.60	ppb	100
96) Benzo[a]pyrene	16.344	252	1114180	44.13	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.996	276	995973	42.40	ppb	98
99) Dibenz[a,h]anthracene	18.039	278	1060082	42.66	ppb	99
101) Benzo[g,h,i]perylene	18.451	276	1025663	43.30	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64384.D
Acq On : 13 Jun 2014 2:55 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 16:18:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64384a.D
Acq On : 13 Jun 2014 2:55 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 16:17:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

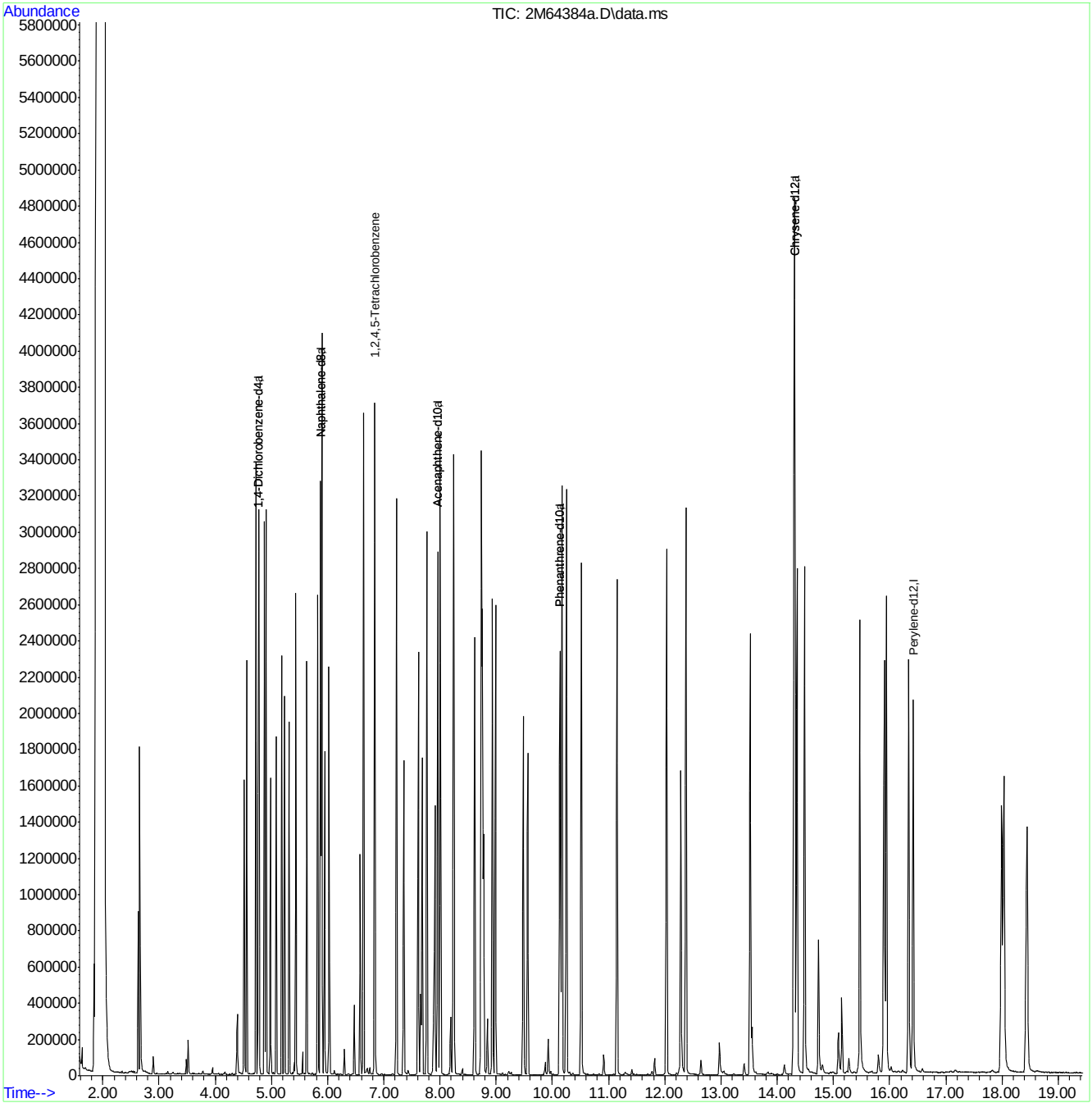
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	350428	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1415184	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	773168	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1167422	40.00	ppb	0.00
83) Chrysene-d12	14.316	240	977963	40.00	ppb	0.00
92) Perylene-d12	16.424	264	846504	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	350428	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	773168	40.00	ppb	0.00
107) Chrysene-d12a	14.316	240	977963	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1167422	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1415184	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
105) 1,2,4,5-Tetrachloroben...	6.839	216	465361	48.19	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64384a.D
Acq On : 13 Jun 2014 2:55 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 16:17:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64385.D
Acq On : 13 Jun 2014 3:22 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 16:18:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	318725	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1308128	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	714859	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1094138	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	907537	40.00	ppb	0.00
92) Perylene-d12	16.418	264	748458	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	318725	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	714859	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	907537	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1094138	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1308128	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.346	88	268034	41.88	ppb	97
6) Indene	4.972	116	1009221	45.57	ppb	100
7) Cumene	4.170	105	1397356	40.89	ppb	98
13) Decane	4.646	43	342736	38.18	ppb	100
18) Acetophenone	5.085	105	846180	45.96	ppb	90
27) Quinoline	6.235	129	1136982	42.08	ppb	100
40) 2,3-Dichloroaniline	6.973	161	485414	40.29	ppb	99
41) Caprolactam	6.288	55	206782	42.34	ppb	96
45) 1-Methylnaphthalene	6.753	142	1069405	42.32	ppb	99
46) Dimethylnaphthalene	7.406	156	959920	43.33	ppb	99
53) Biphenyl	7.203	154	1297645	42.92	ppb	99
82) Octadecane	10.091	57	607861	43.82	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.900	256	414559	36.15	ppb	99

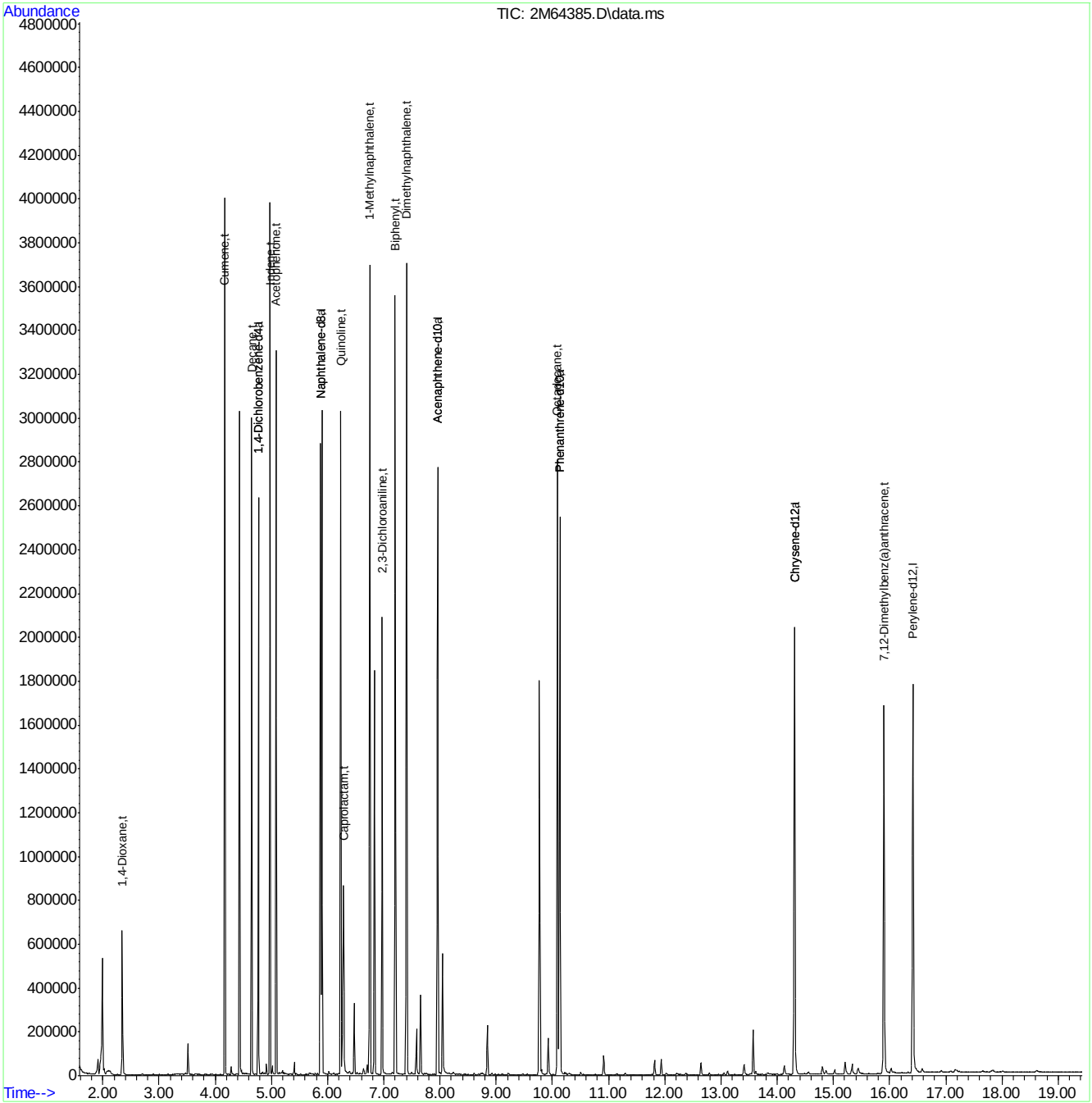
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64385.D
Acq On : 13 Jun 2014 3:22 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 16:18:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64385a.D
Acq On : 13 Jun 2014 3:22 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 16:28:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

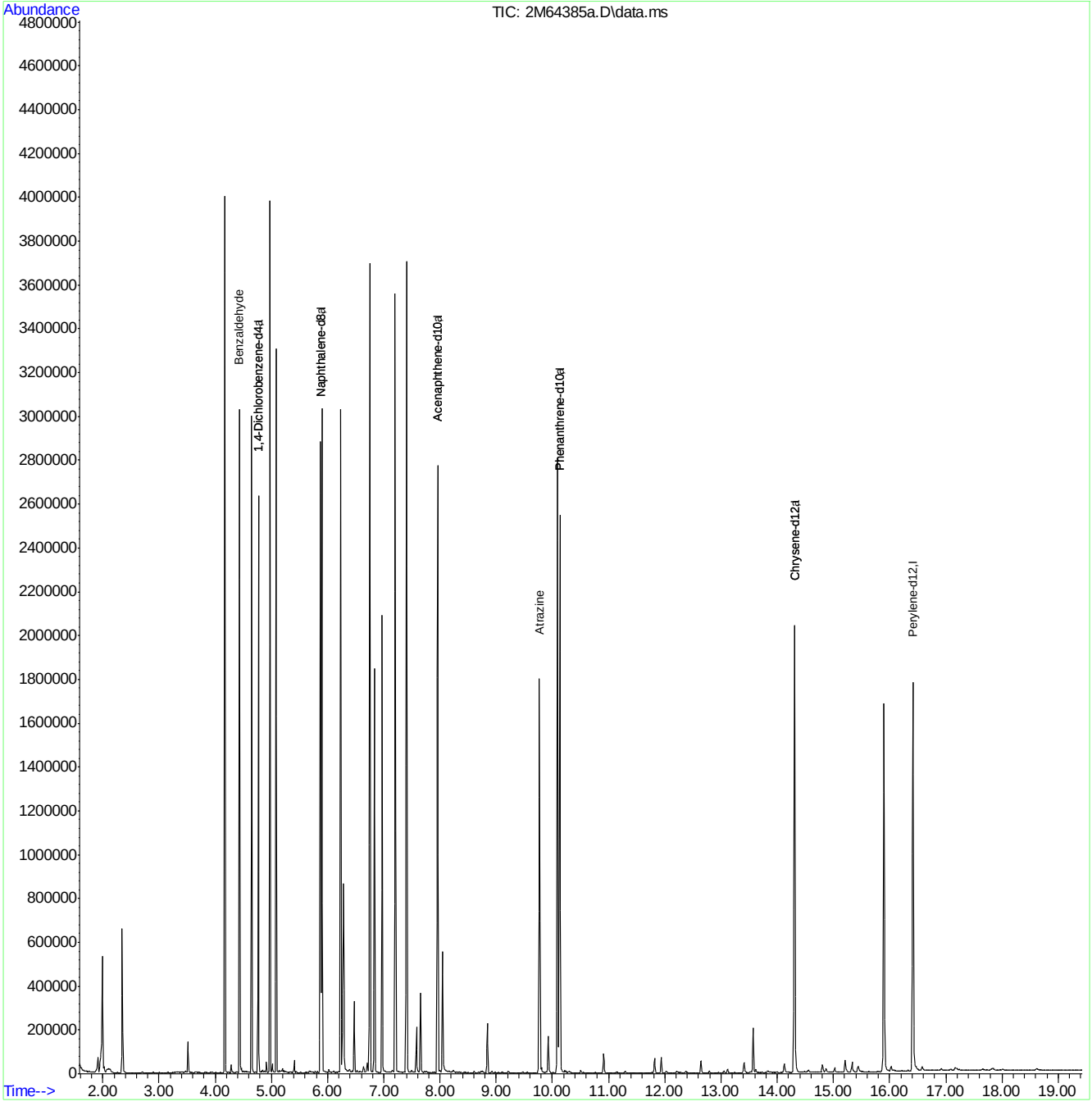
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	318725	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1308128	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	714859	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1094138	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	907537	40.00	ppb	0.00
92) Perylene-d12	16.418	264	748458	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	318725	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	714859	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	907537	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1094138	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1308128	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.432	105	513354	53.10	ppb	98
111) Atrazine	9.775	215	146226	51.16	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64385a.D
Acq On : 13 Jun 2014 3:22 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 16:28:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64386.D
Acq On : 13 Jun 2014 3:49 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 16:14:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	373664	40.00	ppb	0.00
24) Naphthalene-d8	5.877	136	1497592	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	824144	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1245090	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	1047615	40.00	ppb	0.00
92) Perylene-d12	16.419	264	872307	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	373664	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	824144	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	1047615	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1245090	40.00	ppb	0.00
113) Naphthalene-d8a	5.877	136	1497592	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.780	112	604702	41.29	ppb	0.00
Spiked Amount 50.000			Recovery =	82.58%		
8) Phenol-d5	4.486	99	777047	40.86	ppb	0.00
Spiked Amount 50.000			Recovery =	81.72%		
25) Nitrobenzene-d5	5.213	82	665156	42.04	ppb	0.00
Spiked Amount 50.000			Recovery =	84.08%		
51) 2-Fluorobiphenyl	7.080	172	1164530	41.83	ppb	0.00
Spiked Amount 50.000			Recovery =	83.66%		
73) 2,4,6-Tribromophenol	9.086	330	113130	42.03	ppb	0.00
Spiked Amount 50.000			Recovery =	84.06%		
85) Terphenyl-d14	12.691	244	1046635	46.25	ppb	0.00
Spiked Amount 50.000			Recovery =	92.50%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		

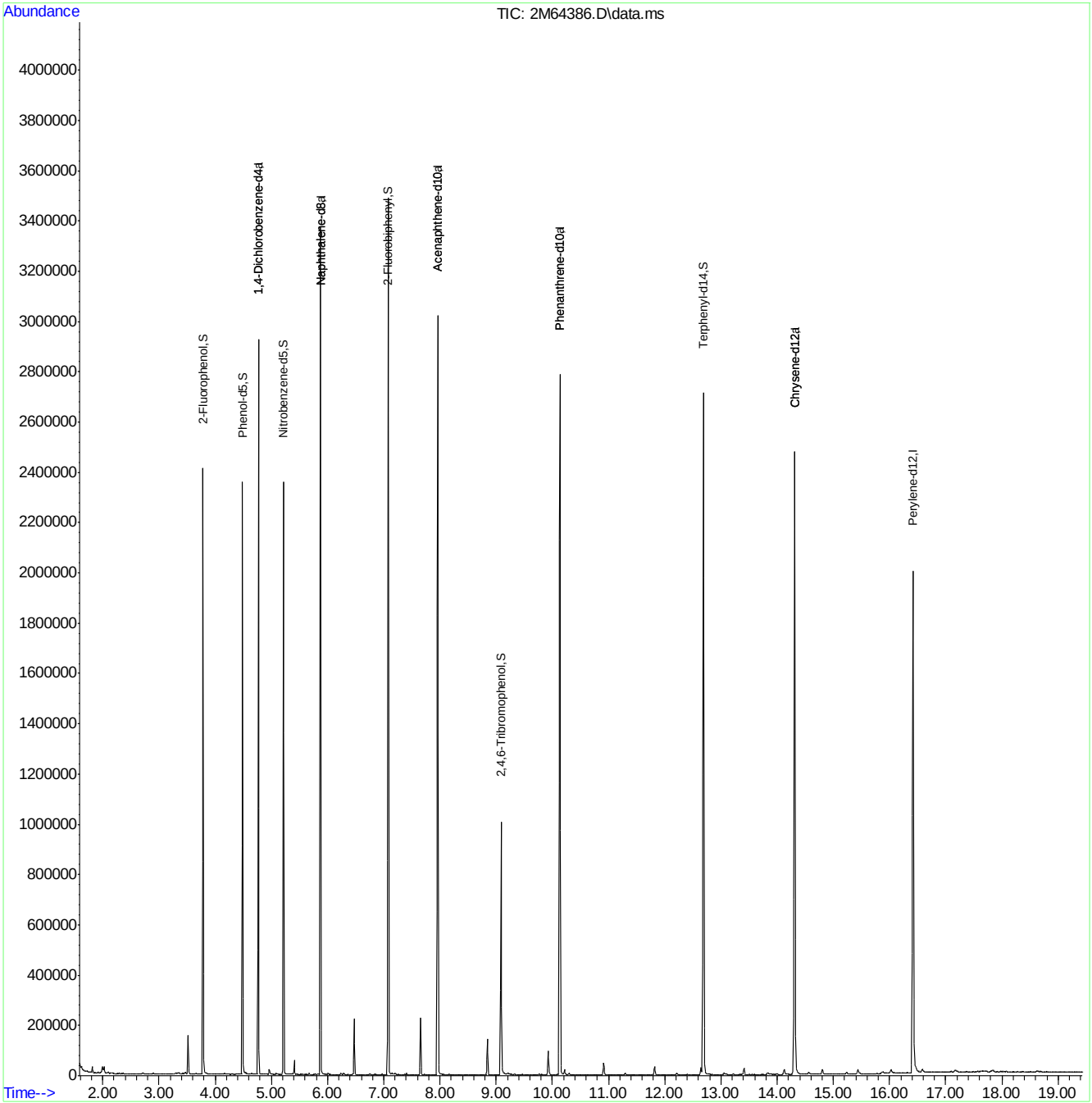
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64386.D
Acq On : 13 Jun 2014 3:49 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 16:14:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64388a.D
Acq On : 13 Jun 2014 4:42 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 16 16:40:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

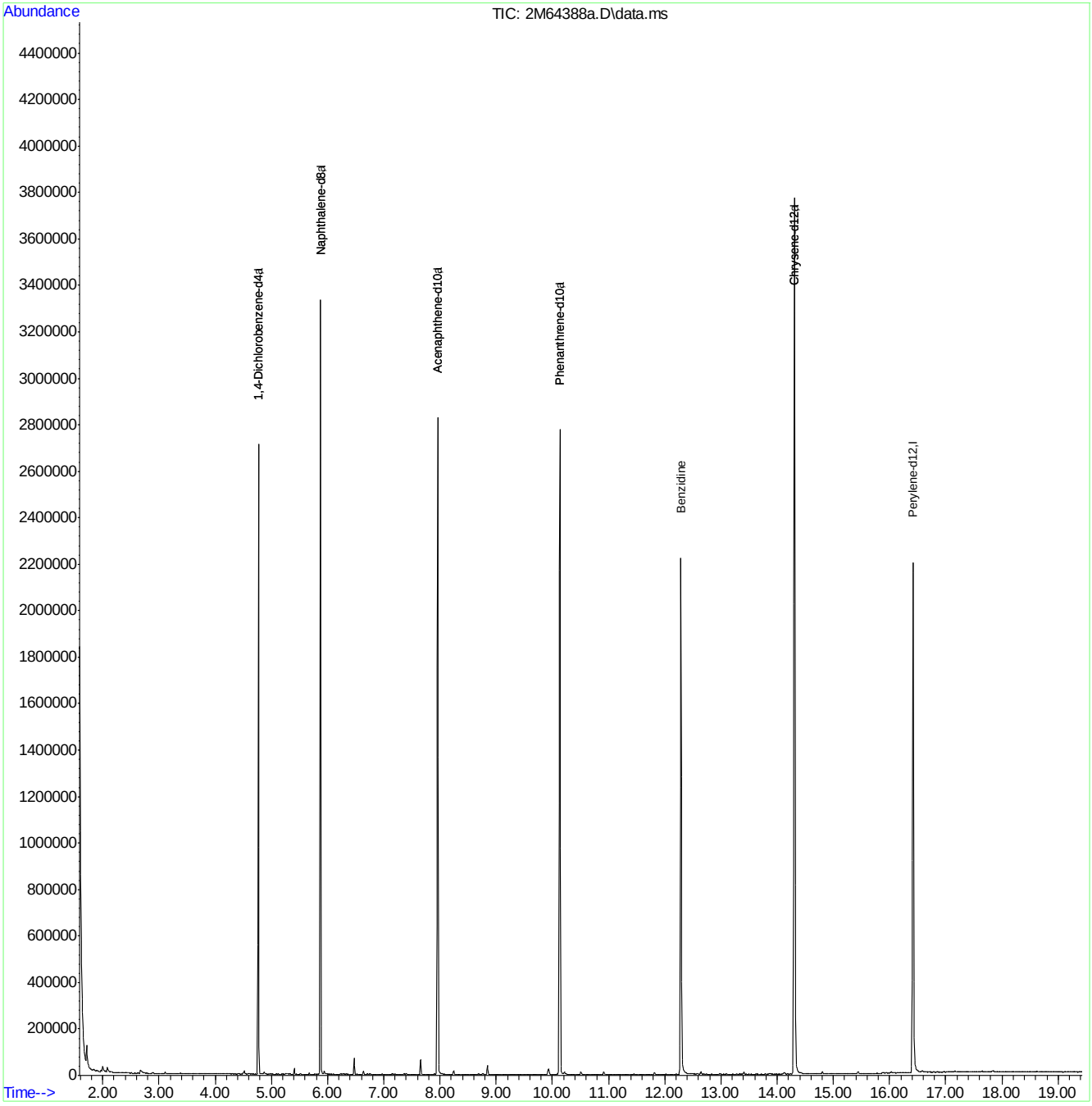
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	364733	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1423558	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	791367	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1228059	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	1118626	40.00	ppb	0.00
92) Perylene-d12	16.424	264	972053	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	364733	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	791367	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	1118626	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1228059	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1423558	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	12.289	184	1037748	54.66	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64388a.D
Acq On : 13 Jun 2014 4:42 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 16 16:40:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64388.D
Acq On : 13 Jun 2014 4:42 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 16 16:39:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

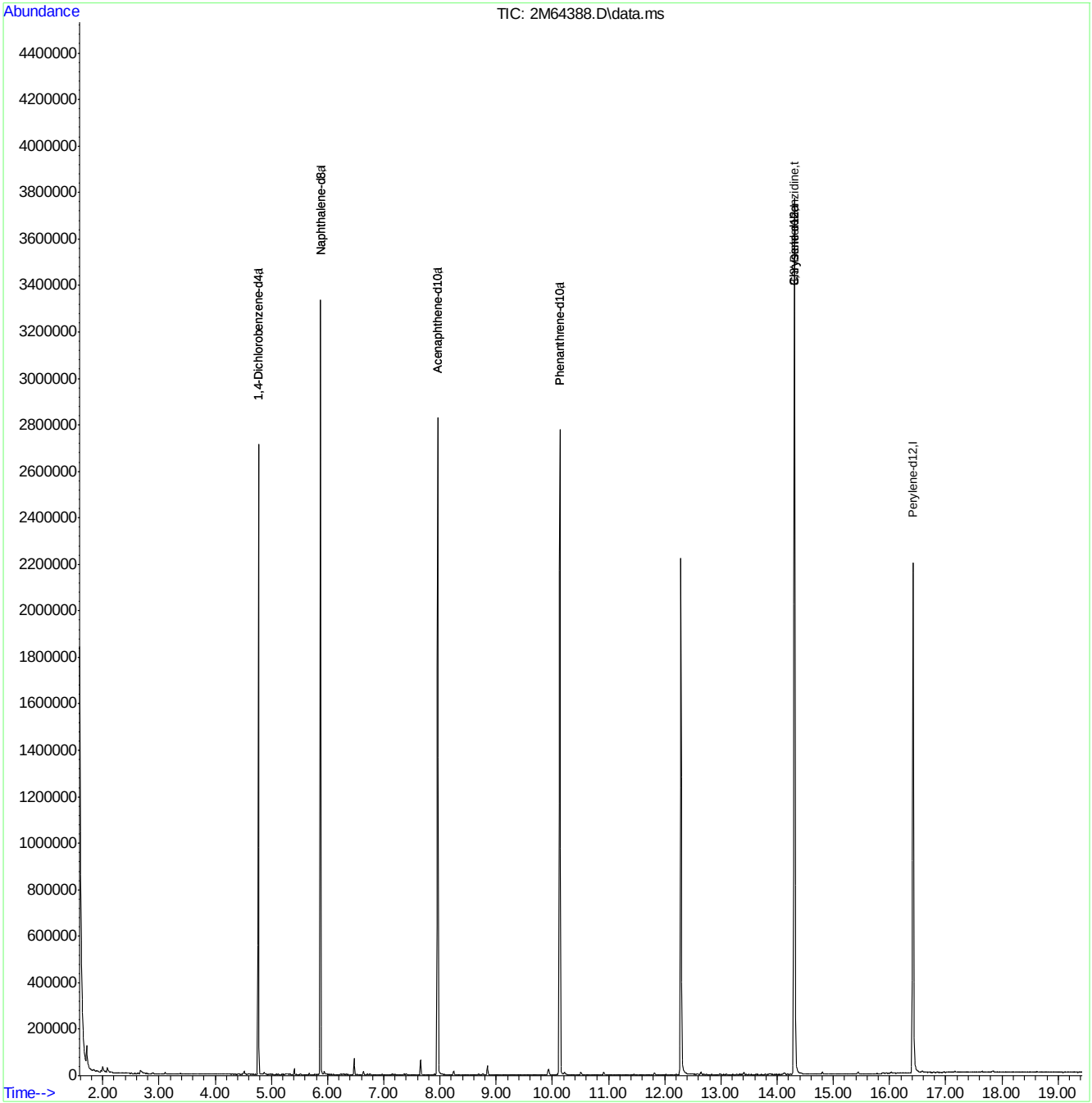
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	364733	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1423558	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	791367	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1228059	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	1118626	40.00	ppb	0.00
92) Perylene-d12	16.424	264	972053	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	364733	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	791367	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	1118626	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1228059	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1423558	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.306	252	500813	44.12	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64388.D
Acq On : 13 Jun 2014 4:42 pm
Operator : saumilp
Sample : icv2729-50
Misc : op75065,E2M2730,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 16 16:39:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64389.D
Acq On : 13 Jun 2014 5:09 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 16 16:40:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	407690	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1630956	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	904277	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1408572	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	1254918	40.00	ppb	0.00
92) Perylene-d12	16.424	264	1088458	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.769	152	407690	40.00	ppb	0.00
104) Acenaphthene-d10a	7.962	164	904277	40.00	ppb	0.00
107) Chrysene-d12a	14.311	240	1254918	40.00	ppb	0.00
110) Phenanthrene-d10a	10.134	188	1408572	40.00	ppb	0.00
113) Naphthalene-d8a	5.876	136	1630956	40.00	ppb	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

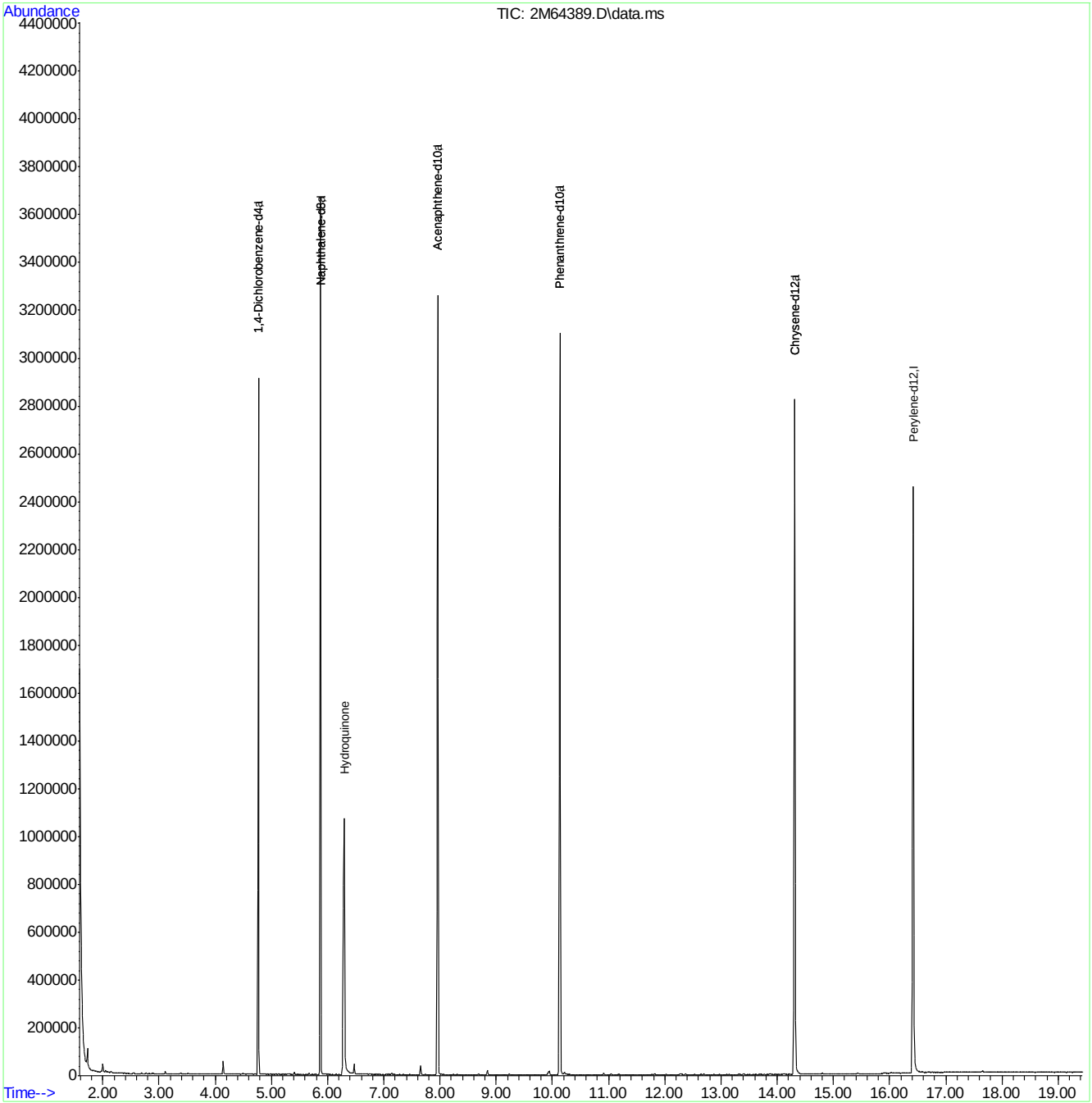
Target Compounds						Qvalue
114) Hydroquinone	6.299	110	881646	56.24	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2730\
Data File : 2M64389.D
Acq On : 13 Jun 2014 5:09 pm
Operator : saumilp
Sample : icv2730-50
Misc : op75065,E2M2730,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 16 16:40:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64393.D
Acq On : 13 Jun 2014 10:47 pm
Operator : andrews1
Sample : icv2729-50
Misc : op75065,E2M2731,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 11:19:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.764	152	258539	40.00	ppb		0.00
24) Naphthalene-d8	5.871	136	1043109	40.00	ppb		0.00
47) Acenaphthene-d10	7.952	164	563408	40.00	ppb		-0.01
69) Phenanthrene-d10	10.128	188	858484	40.00	ppb		0.00
83) Chrysene-d12	14.300	240	705920	40.00	ppb		-0.02
92) Perylene-d12	16.413	264	576338	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.764	152	258539	40.00	ppb		0.00
104) Acenaphthene-d10a	7.952	164	563408	40.00	ppb		-0.01
107) Chrysene-d12a	14.300	240	705920	40.00	ppb		-0.02
110) Phenanthrene-d10a	10.128	188	858484	40.00	ppb		0.00
113) Naphthalene-d8a	5.871	136	1043109	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
112) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.496	94	670964	44.51	ppb		99
12) 2-Chlorophenol	4.603	128	513697	47.07	ppb		99
19) 2-Methylphenol	4.956	108	503192	49.32	ppb		98
21) 3&4-Methylphenol	5.079	108	524557	51.75	ppb		99
29) 2-Nitrophenol	5.507	139	282028	50.71	ppb		96
30) 2,4-Dimethylphenol	5.539	107	517846	48.23	ppb		100
31) Benzoic acid	5.646	105	406557	52.77	ppb		96
33) 2,4-Dichlorophenol	5.732	162	383421	49.36	ppb		99
34) 2,6-Dichlorophenol	5.951	162	380986	49.22	ppb		98
43) 4-Chloro-3-methylphenol	6.449	107	455001	48.58	ppb		99
49) 2,4,6-Trichlorophenol	6.967	196	248866	52.52	ppb		99
50) 2,4,5-Trichlorophenol	7.010	196	265872	51.06	ppb		99
60) 2,4-Dinitrophenol	8.037	184	85423	36.18	ppb	#	77
61) 4-Nitrophenol	8.149	109	142786	52.31	ppb		99
64) 2,3,4,6-Tetrachlorophenol	8.422	232	187373	49.60	ppb		99
70) 4,6-Dinitro-2-methylph...	8.813	198	136637	45.39	ppb		95
76) Pentachlorophenol	9.856	266	147388	54.22	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64393.D
Acq On : 13 Jun 2014 10:47 pm
Operator : andrews1
Sample : icv2729-50
Misc : op75065,E2M2731,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 11:19:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

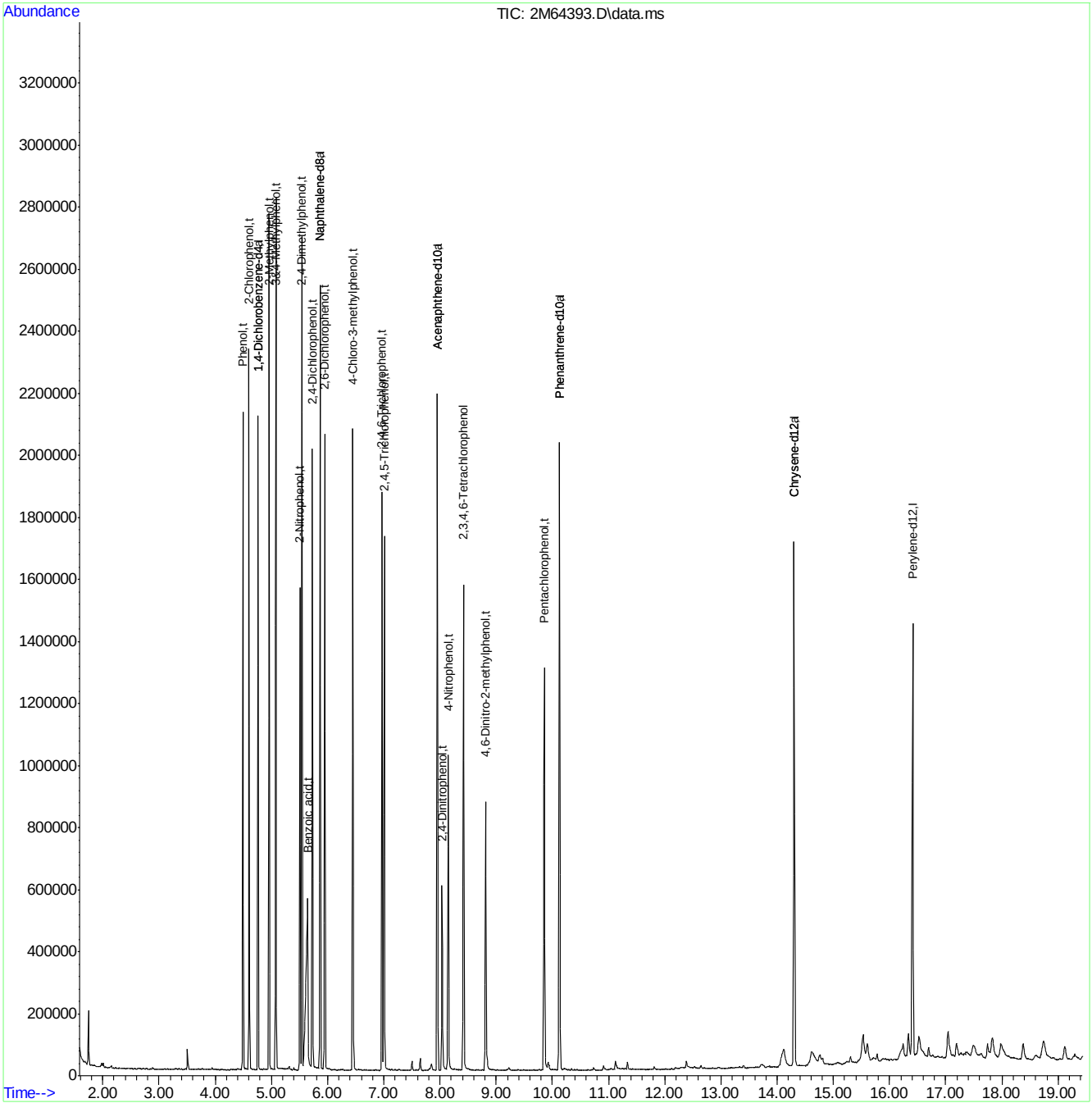
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64393.D
Acq On : 13 Jun 2014 10:47 pm
Operator : andrews1
Sample : icv2729-50
Misc : op75065,E2M2731,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 11:19:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



M2M2729.M Mon Jun 16 11:19:52 2014 MS2M

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64394.D
Acq On : 13 Jun 2014 11:14 pm
Operator : andrews1
Sample : icv2729-50
Misc : op75065,E2M2731,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 11:20:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

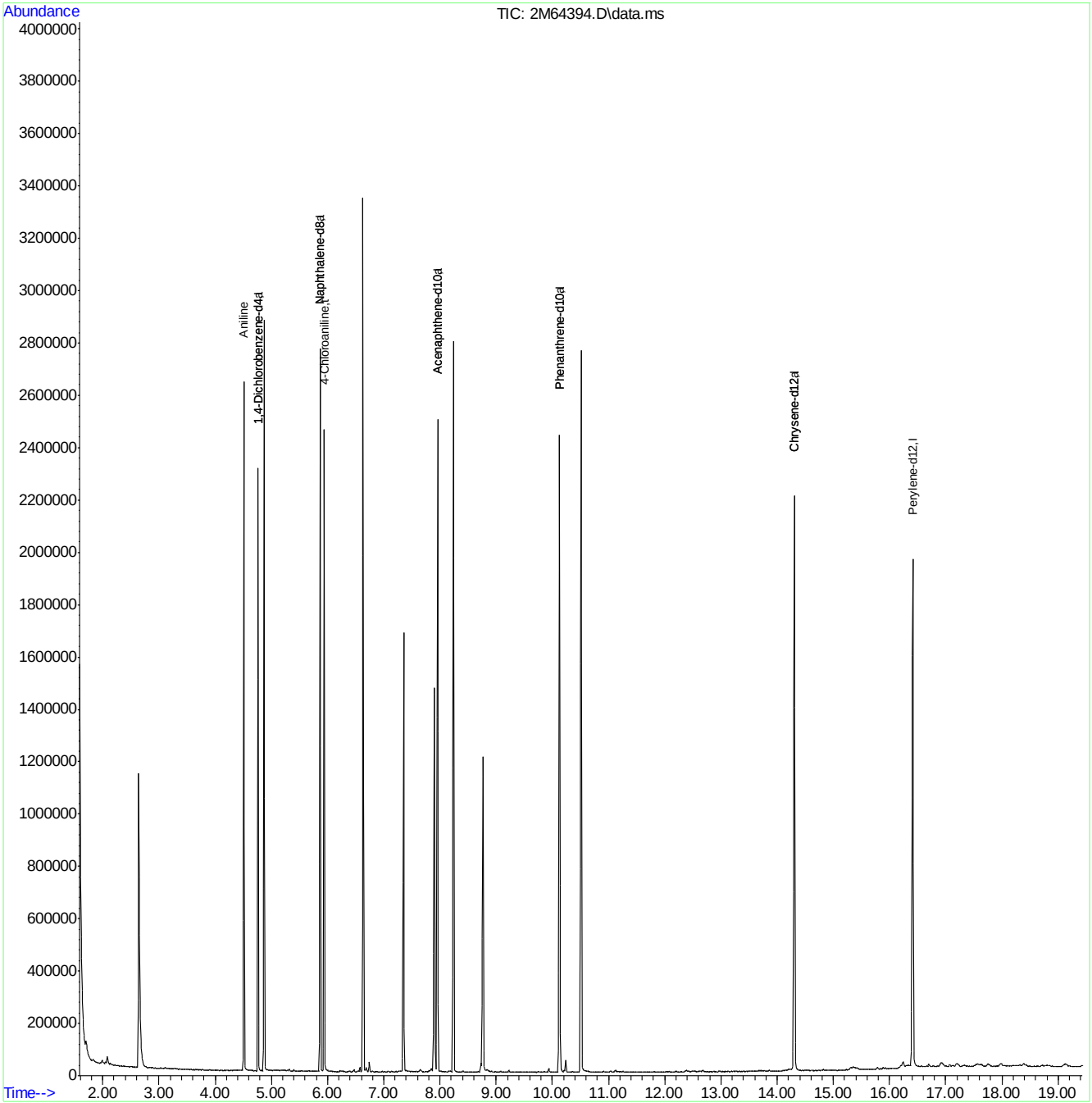
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.764	152	292308	40.00	ppb	0.00
24) Naphthalene-d8	5.871	136	1194106	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	669918	40.00	ppb	0.00
69) Phenanthrene-d10	10.129	188	1051440	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	950018	40.00	ppb	-0.01
92) Perylene-d12	16.413	264	834536	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.764	152	292308	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	669918	40.00	ppb	0.00
107) Chrysene-d12a	14.306	240	950018	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.129	188	1051440	40.00	ppb	0.00
113) Naphthalene-d8a	5.871	136	1194106	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.513	93	931289	46.50	ppb	100
39) 4-Chloroaniline	5.941	127	699601	46.74	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64394.D
Acq On : 13 Jun 2014 11:14 pm
Operator : andrews1
Sample : icv2729-50
Misc : op75065,E2M2731,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 11:20:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64396.D
Acq On : 13 Jun 2014 11:48 pm
Operator : andrews1
Sample : cc2729-50
Misc : op75065,E2M2732,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 11:30:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.764	152	228124	40.00	ppb	0.00
24) Naphthalene-d8	5.871	136	927534	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	513635	40.00	ppb	0.00
69) Phenanthrene-d10	10.128	188	792874	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	692391	40.00	ppb	0.00
92) Perylene-d12	16.413	264	624311	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.764	152	228124	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	513635	40.00	ppb	0.00
106) Chrysene-d12a	14.311	240	692391	40.00	ppb	0.00
108) Phenanthrene-d10a	10.128	188	792874	40.00	ppb	0.00
110) Naphthalene-d8a	5.871	136	927534	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.774	112	449093	50.23	ppb	0.00
Spiked Amount 50.000			Recovery =	100.46%		
8) Phenol-d5	4.486	99	574053	49.44	ppb	0.00
Spiked Amount 50.000			Recovery =	98.88%		
25) Nitrobenzene-d5	5.213	82	481171	49.10	ppb	0.00
Spiked Amount 50.000			Recovery =	98.20%		
51) 2-Fluorobiphenyl	7.074	172	836720	48.23	ppb	0.00
Spiked Amount 50.000			Recovery =	96.46%		
73) 2,4,6-Tribromophenol	9.085	330	97460	56.87	ppb	0.00
Spiked Amount 50.000			Recovery =	113.74%		
85) Terphenyl-d14	12.685	244	790877	52.88	ppb	0.00
Spiked Amount 50.000			Recovery =	105.76%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.325	88	223278	48.74	ppb	98
3) Pyridine	2.635	79	551496	50.30	ppb	100
4) N-Nitrosodimethylamine	2.608	74	310790	50.40	ppb	97
6) Indene	4.972	116	754917	47.63	ppb	99
7) Cumene	4.165	105	1175877	48.08	ppb	99
9) Phenol	4.496	94	656633	49.37	ppb	99
10) Aniline	4.512	93	744287	47.62	ppb	99
11) bis(2-Chloroethyl)ether	4.561	93	431981	48.05	ppb	97
12) 2-Chlorophenol	4.603	128	465052	48.30	ppb	97
13) Decane	4.641	43	297265	46.27	ppb	99
14) 1,3-Dichlorobenzene	4.721	146	505874	48.25	ppb	98
15) 1,4-Dichlorobenzene	4.780	146	513808	48.30	ppb	100
16) Benzyl alcohol	4.871	108	339001	49.43	ppb	96
17) 1,2-Dichlorobenzene	4.898	146	474997	48.19	ppb	99
18) Acetophenone	5.085	105	591840	44.91	ppb	95
19) 2-Methylphenol	4.962	108	433615	48.16	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.978	45	374978	46.21	ppb	100
21) 3&4-Methylphenol	5.085	108	409257	45.76	ppb	98
22) n-Nitroso-di-n-propyla...	5.085	70	256749	45.02	ppb	99
23) Hexachloroethane	5.181	201	145817	49.27	ppb	90
26) Nitrobenzene	5.229	77	497954	48.76	ppb	94
27) Quinoline	6.240	129	945447	49.34	ppb	99
28) Isophorone	5.438	82	889981	49.39	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64396.D
Acq On : 13 Jun 2014 11:48 pm
Operator : andrews1
Sample : cc2729-50
Misc : op75065,E2M2732,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 11:30:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.507	139	255592	51.68	ppb	99
30) 2,4-Dimethylphenol	5.545	107	464657	48.67	ppb	99
31) Benzoic acid	5.646	105	378326	55.23	ppb	98
32) bis(2-Chloroethoxy)met...	5.625	93	493966	48.91	ppb	99
33) 2,4-Dichlorophenol	5.732	162	352878	51.09	ppb	99
34) 2,6-Dichlorophenol	5.957	162	343749	49.95	ppb	97
35) 1,3,5-Trichlorobenzene	5.523	180	389809	49.09	ppb	99
36) 1,2,4-Trichlorobenzene	5.817	180	367210	48.84	ppb	96
37) 1,2,3-Trichlorobenzene	6.042	180	366641	48.80	ppb	98
38) Naphthalene	5.892	128	1346281	48.03	ppb	100
39) 4-Chloroaniline	5.940	127	571588	49.17	ppb	99
40) 2,3-Dichloroaniline	6.967	161	414178	48.49	ppb	99
41) Caprolactam	6.310	55	180158	52.02	ppb	97
42) Hexachlorobutadiene	6.026	225	175027	49.02	ppb	99
43) 4-Chloro-3-methylphenol	6.459	107	430089	51.65	ppb	100
44) 2-Methylnaphthalene	6.630	141	745663	48.30	ppb	100
45) 1-Methylnaphthalene	6.748	142	863633	48.20	ppb	99
46) Dimethylnaphthalene	7.401	156	781014	49.72	ppb	98
48) Hexachlorocyclopentadiene	6.828	237	376651	105.42	ppb	100
49) 2,4,6-Trichlorophenol	6.973	196	227840	52.74	ppb	98
50) 2,4,5-Trichlorophenol	7.016	196	247367	52.11	ppb	98
52) 2-Chloronaphthalene	7.219	162	802750	49.21	ppb	99
53) Biphenyl	7.203	154	1040921	47.92	ppb	100
54) 2-Nitroaniline	7.353	65	249821	52.84	ppb	97
55) Dimethylphthalate	7.609	163	853171	49.77	ppb	100
56) Acenaphthylene	7.759	152	1314555	49.91	ppb	100
57) 2,6-Dinitrotoluene	7.679	165	214401	55.00	ppb	100
58) 3-Nitroaniline	7.903	138	268306	52.65	ppb	99
59) Acenaphthene	8.000	153	791250	48.19	ppb	96
60) 2,4-Dinitrophenol	8.048	184	216304	100.49	ppb	97
61) 4-Nitrophenol	8.155	109	138626	55.71	ppb	98
62) Dibenzofuran	8.240	168	1083774	48.28	ppb	99
63) 2,4-Dinitrotoluene	8.235	165	279166	53.71	ppb	99
64) 2,3,4,6-Tetrachlorophenol	8.422	232	185382	53.83	ppb	99
65) Diethylphthalate	8.609	149	852258	50.25	ppb	100
66) Fluorene	8.732	166	874912	49.58	ppb	99
67) 4-Chlorophenyl-phenyle...	8.749	204	381646	49.85	ppb	99
68) 4-Nitroaniline	8.775	138	269726	52.23	ppb	99
70) 4,6-Dinitro-2-methylph...	8.823	198	148390	53.37	ppb	100
71) n-Nitrosodiphenylamine	8.925	169	596902	51.50	ppb	99
72) 1,2-Diphenylhydrazine	8.984	77	970560	50.15	ppb	99
74) 4-Bromophenyl-phenylether	9.476	248	188366	50.89	ppb	97
75) Hexachlorobenzene	9.556	284	222032	49.69	ppb	99
76) Pentachlorophenol	9.861	266	288432	114.88	ppb	98
77) Phenanthrene	10.166	178	1215662	48.70	ppb	100
78) Anthracene	10.246	178	1249876	50.54	ppb	99
79) Carbazole	10.514	167	1239606	51.17	ppb	99
80) Di-n-butylphthalate	11.145	149	1454309	54.58	ppb	100
81) Fluoranthene	12.027	202	1221612	52.39	ppb	100
82) Octadecane	10.086	57	517647	51.49	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64396.D
Acq On : 13 Jun 2014 11:48 pm
Operator : andrews1
Sample : cc2729-50
Misc : op75065,E2M2732,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 11:30:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
84) Pyrene	12.375	202	1287722	51.04 ppb	100
86) Butylbenzylphthalate	13.514	149	646227	56.59 ppb	99
87) Butyl stearate	13.691	56	357194	56.60 ppb	99
88) Benzo[a]anthracene	14.290	228	1090249	51.91 ppb	100
89) 3,3'-Dichlorobenzidine	14.295	252	393986	56.08 ppb	98
90) Chrysene	14.349	228	1050947	50.33 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.482	149	900733	58.59 ppb	99
93) Di-n-octylphthalate	15.466	149	1541122	54.25 ppb	99
94) Benzo[b]fluoranthene	15.900	252	1121719	50.47 ppb	99
95) Benzo[k]fluoranthene	15.942	252	1064373	49.04 ppb	98
96) Benzo[a]pyrene	16.338	252	975645	52.40 ppb	100
97) Indeno[1,2,3-cd]pyrene	17.986	276	966935	55.82 ppb	99
98) Dibenz(a,h)acridine	17.627	279	843803	54.47 ppb	100
99) Dibenz[a,h]anthracene	18.028	278	967368	52.79 ppb	100
100) 7,12-Dimethylbenz(a)an...	15.905	256	537986	56.24 ppb	99
101) Benzo[g,h,i]perylene	18.440	276	913836	52.31 ppb	98

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

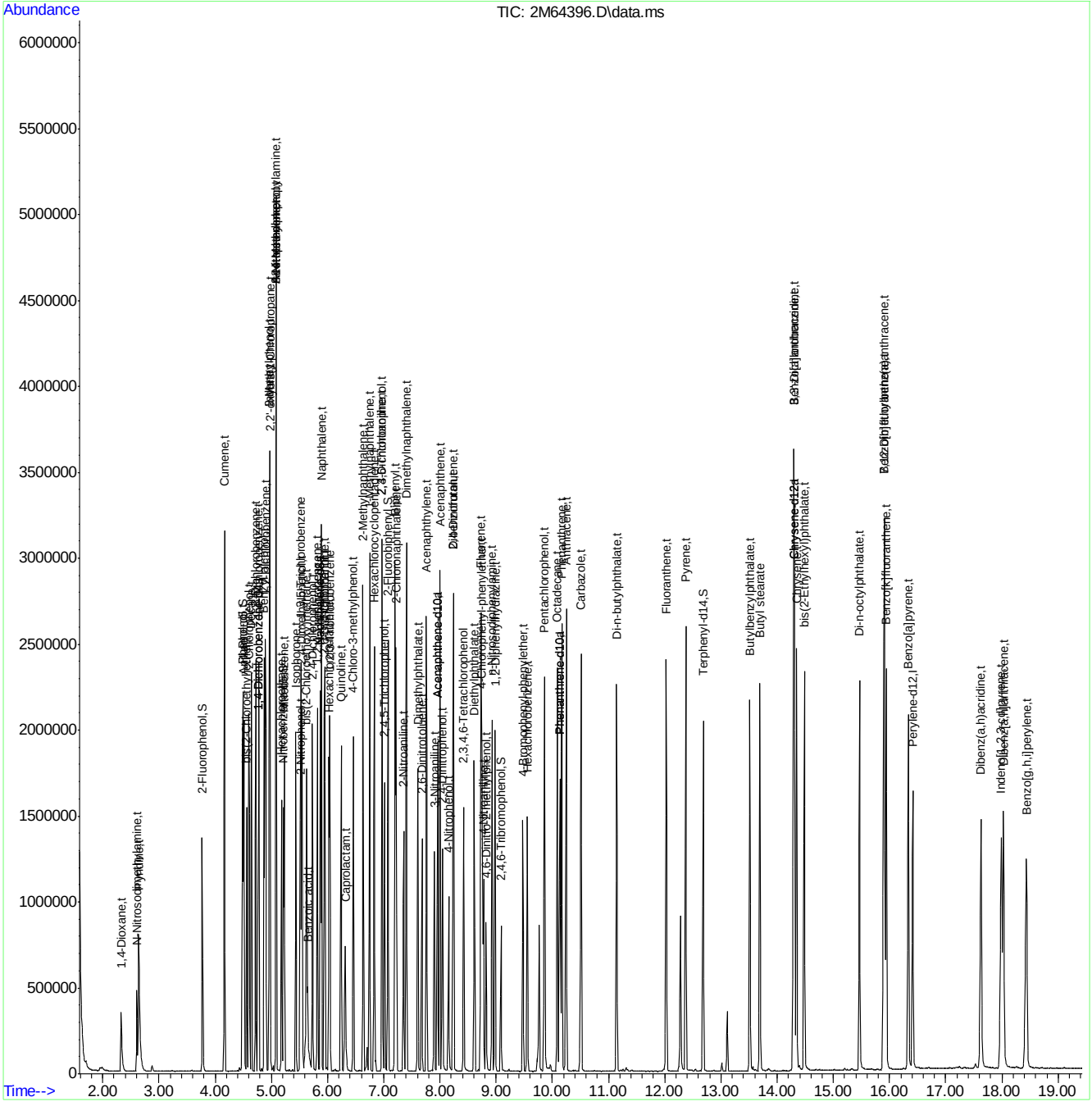
9.6.55

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64396.D
Acq On : 13 Jun 2014 11:48 pm
Operator : andrews1
Sample : cc2729-50
Misc : op75065,E2M2732,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 11:30:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64397.D
Acq On : 14 Jun 2014 12:17 am
Operator : andrews1
Sample : cc2730-50
Misc : op75065,E2M2732,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 11:31:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 2014
Response via : Initial Calibration

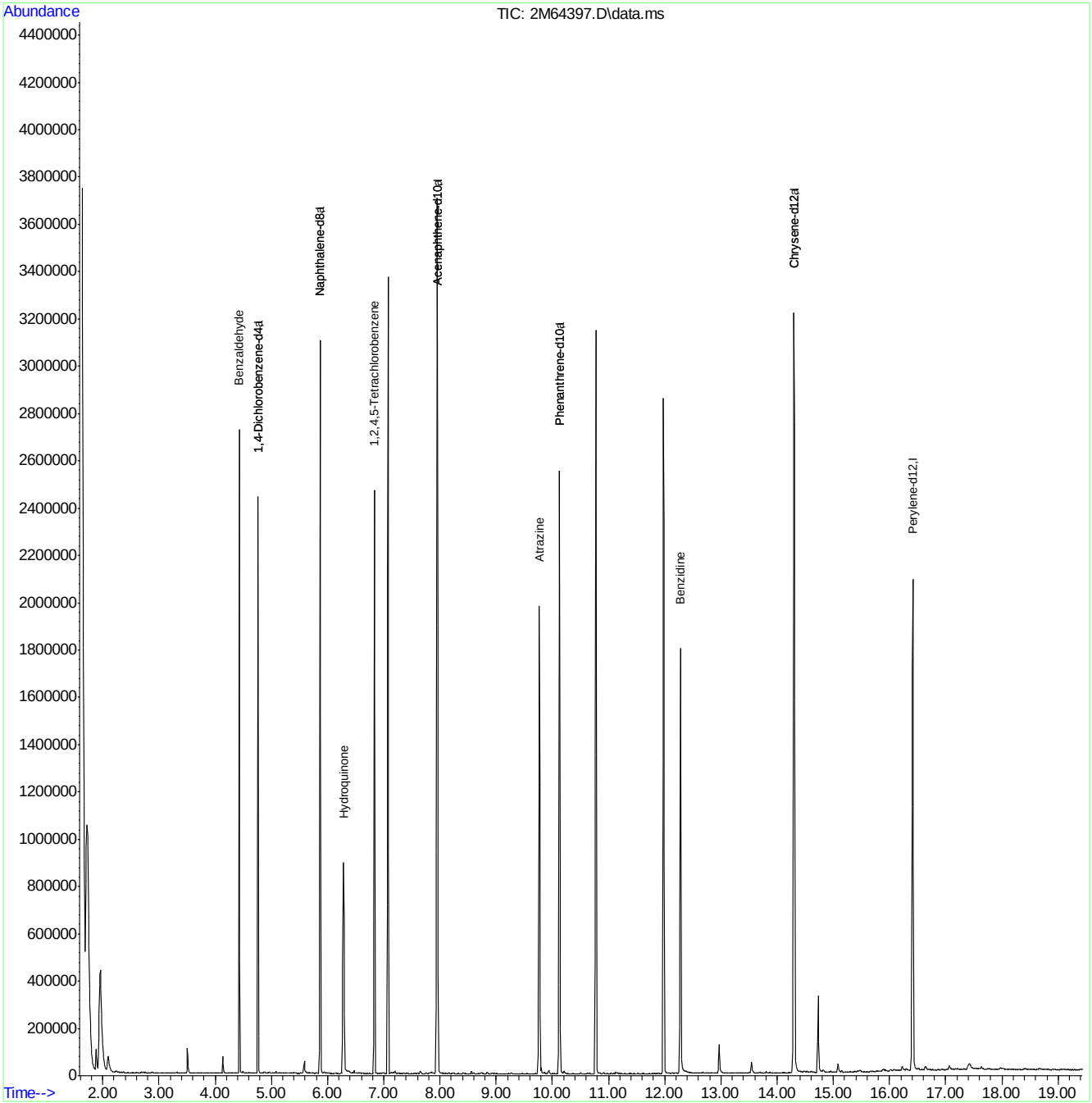
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.764	152	319136	40.00	ppb	0.00
24) Naphthalene-d8	5.871	136	1296360	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	682770	40.00	ppb	0.00
69) Phenanthrene-d10	10.129	188	1123625	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	1024758	40.00	ppb	-0.01
92) Perylene-d12	16.413	264	918983	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.764	152	319136	40.00	ppb	0.00
104) Acenaphthene-d10a	7.957	164	682770	40.00	ppb	0.00
106) Chrysene-d12a	14.306	240	1024758	40.00	ppb	-0.01
108) Phenanthrene-d10a	10.129	188	1123625	40.00	ppb	0.00
110) Naphthalene-d8a	5.871	136	1296360	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.427	105	486106	50.21	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.834	216	419924	49.24	ppb	99
107) Benzidine	12.279	184	843209	48.48	ppb	99
109) Atrazine	9.770	215	166903	56.86	ppb	95
111) Hydroquinone	6.283	110	698365	56.05	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2731\
Data File : 2M64397.D
Acq On : 14 Jun 2014 12:17 am
Operator : andrews1
Sample : cc2730-50
Misc : op75065,E2M2732,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 11:31:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umFri Jun 13 14:50:17 2014
QLast Update : Fri Jun 13 14:50:17 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 : 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

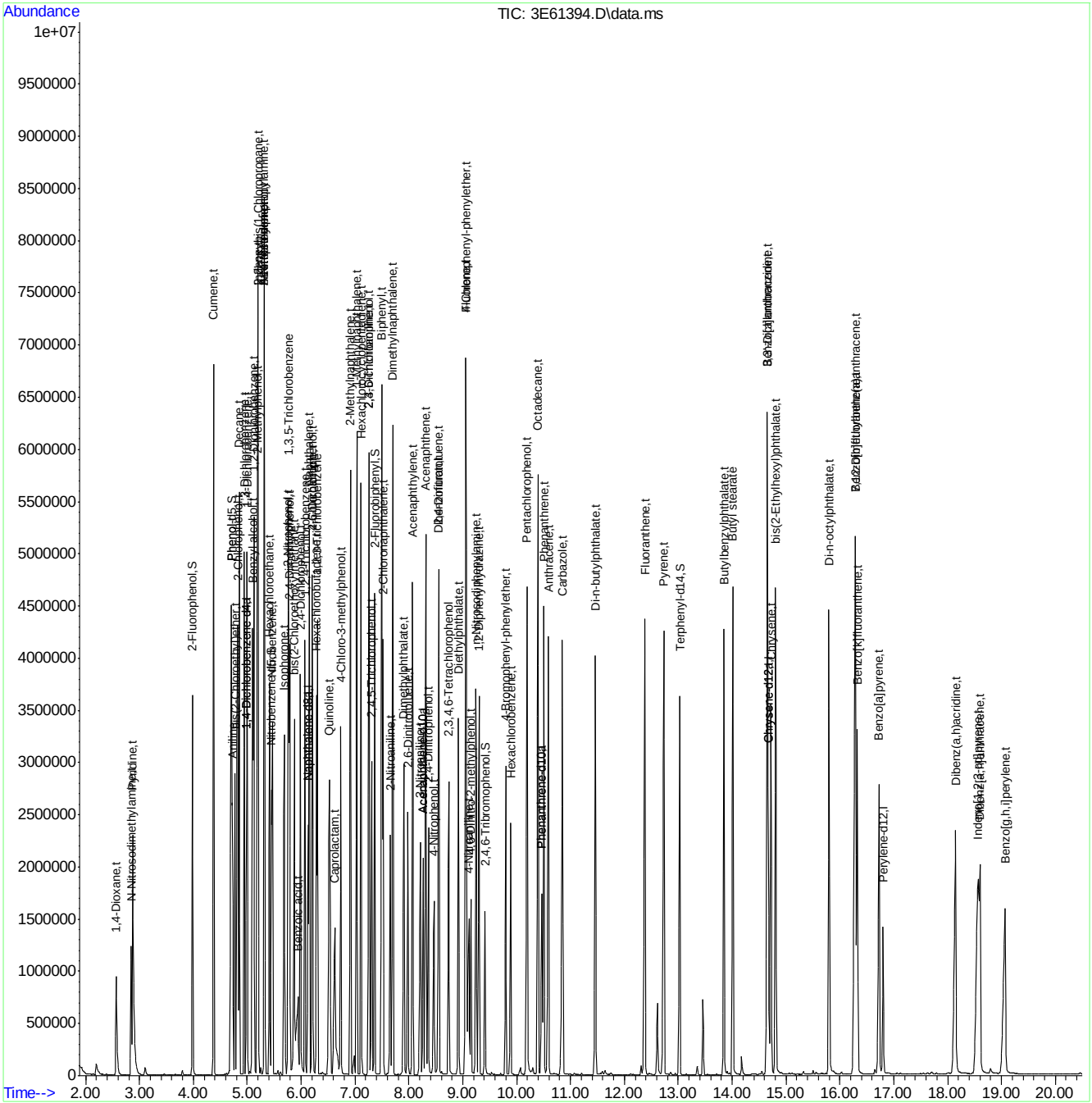
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6

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 JB68318

Manual Integration Approval Summary

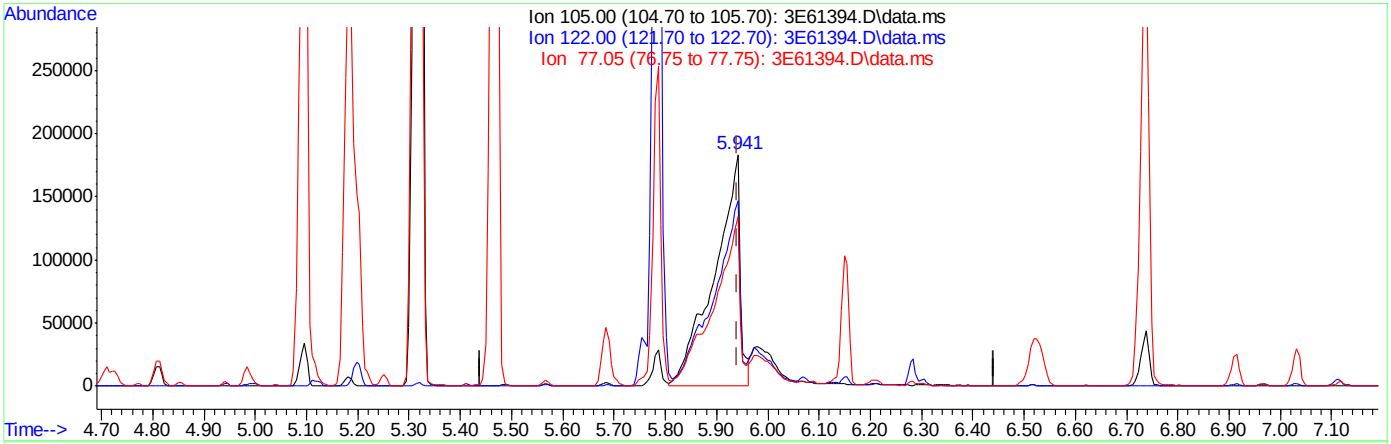
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61394.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 17:45	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

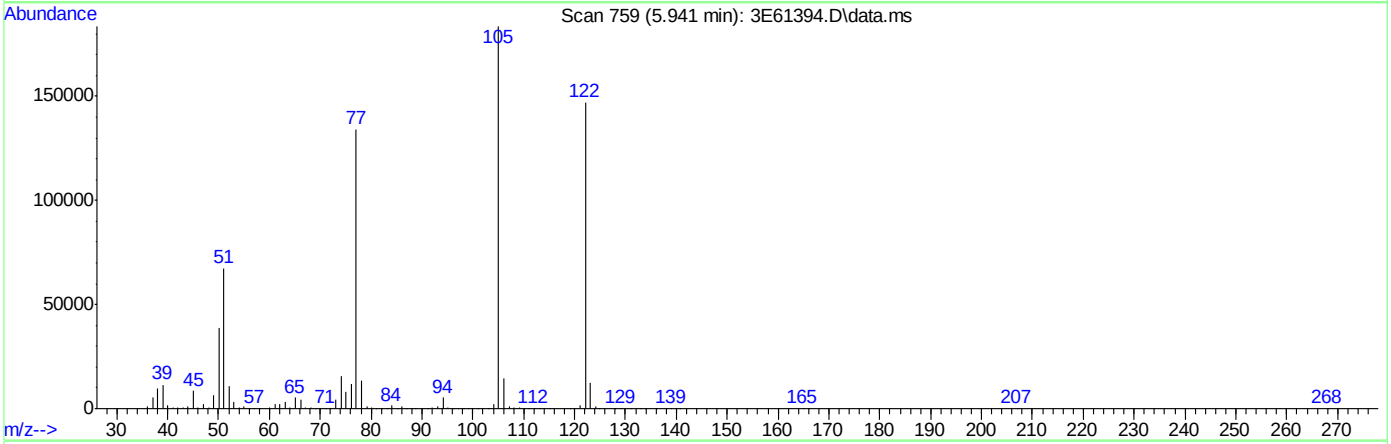
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.94	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.56	Poor instrument integration

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

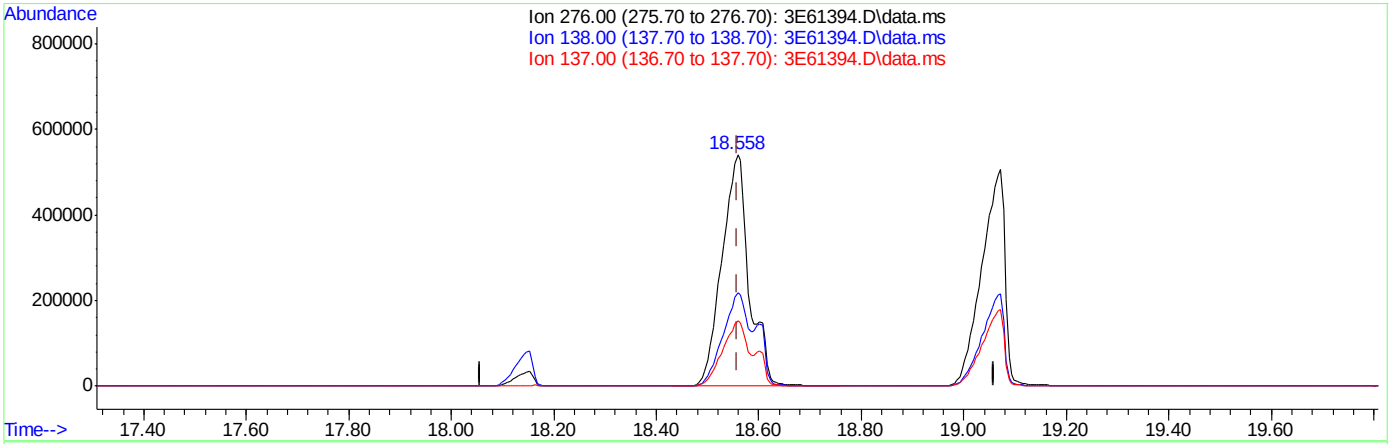
Ion	Exp%	Act%
105.00	100	100
122.00	77.10	77.13
77.05	71.90	71.88
0.00	0.00	0.00

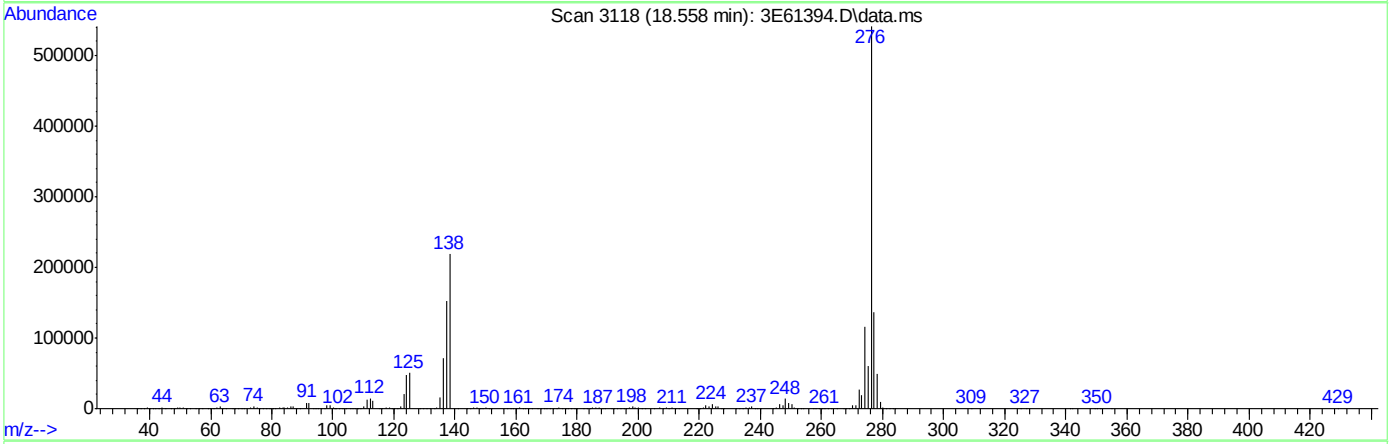
ACCUTEST LABORATORIES JB68318

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

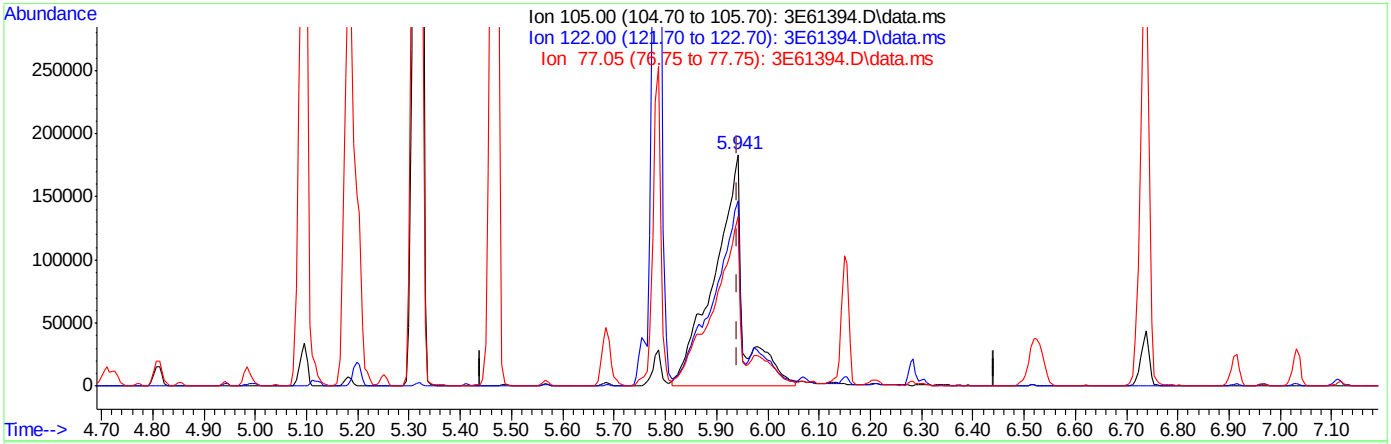
response 2014021

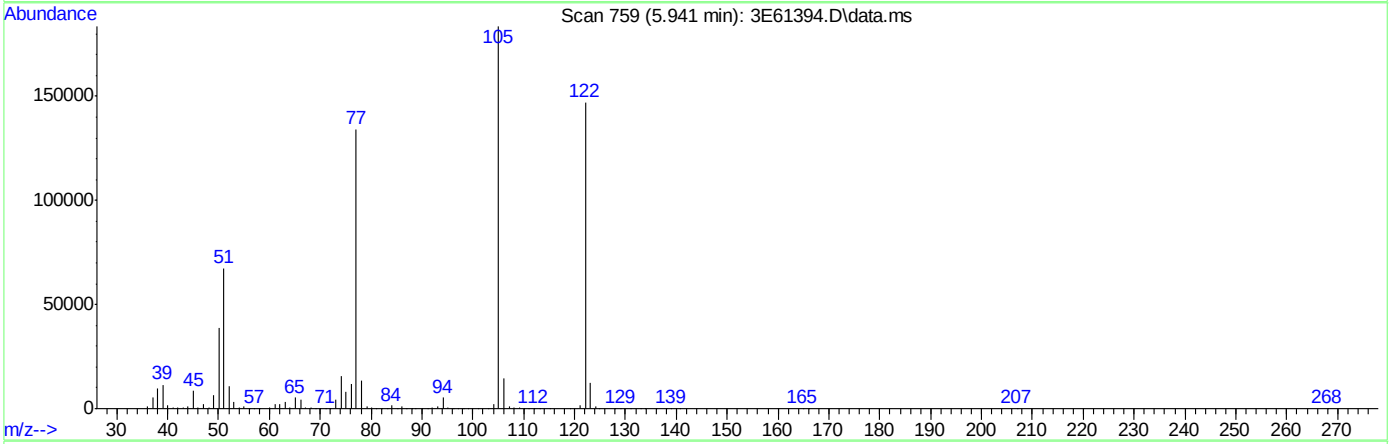
Ion	Exp%	Act%
276.00	100	100
138.00	40.30	40.35
137.00	28.00	28.02
0.00	0.00	0.00

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

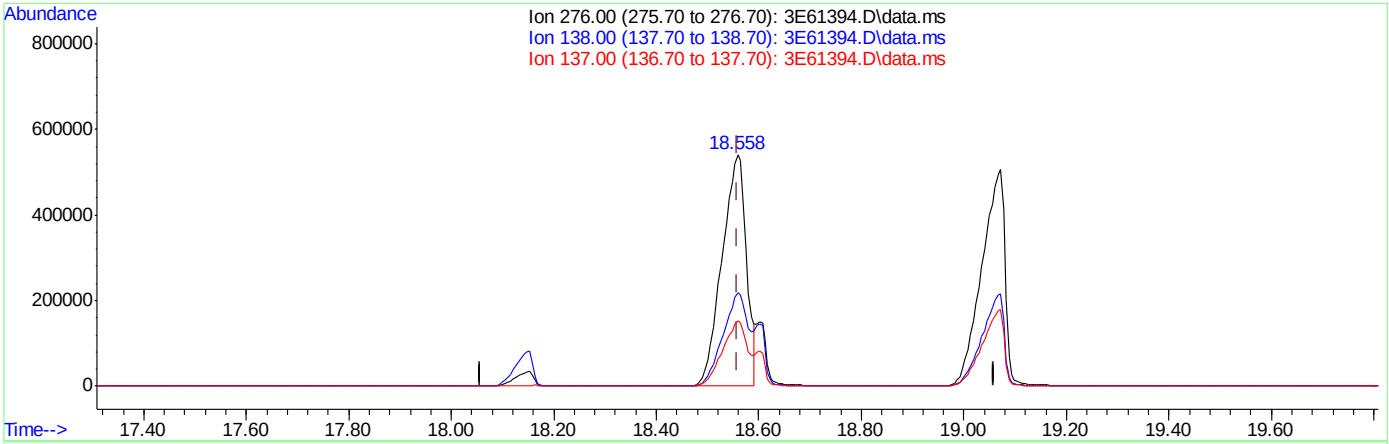
Ion	Exp%	Act%
105.00	100	100
122.00	77.10	80.20
77.05	71.90	73.12
0.00	0.00	0.00

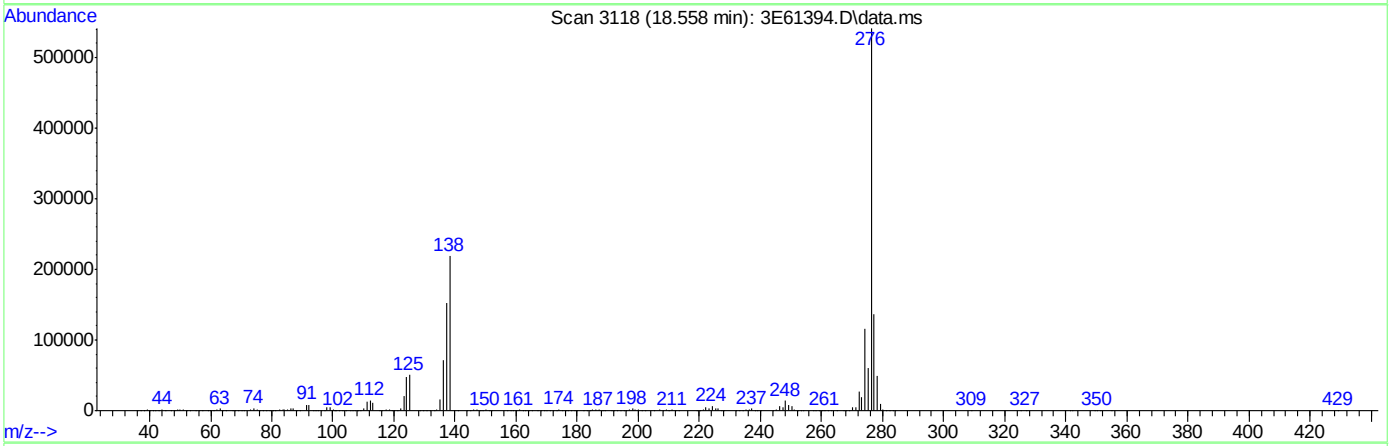
ACCUTEST LABORATORIES JB68318

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 JB68318

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

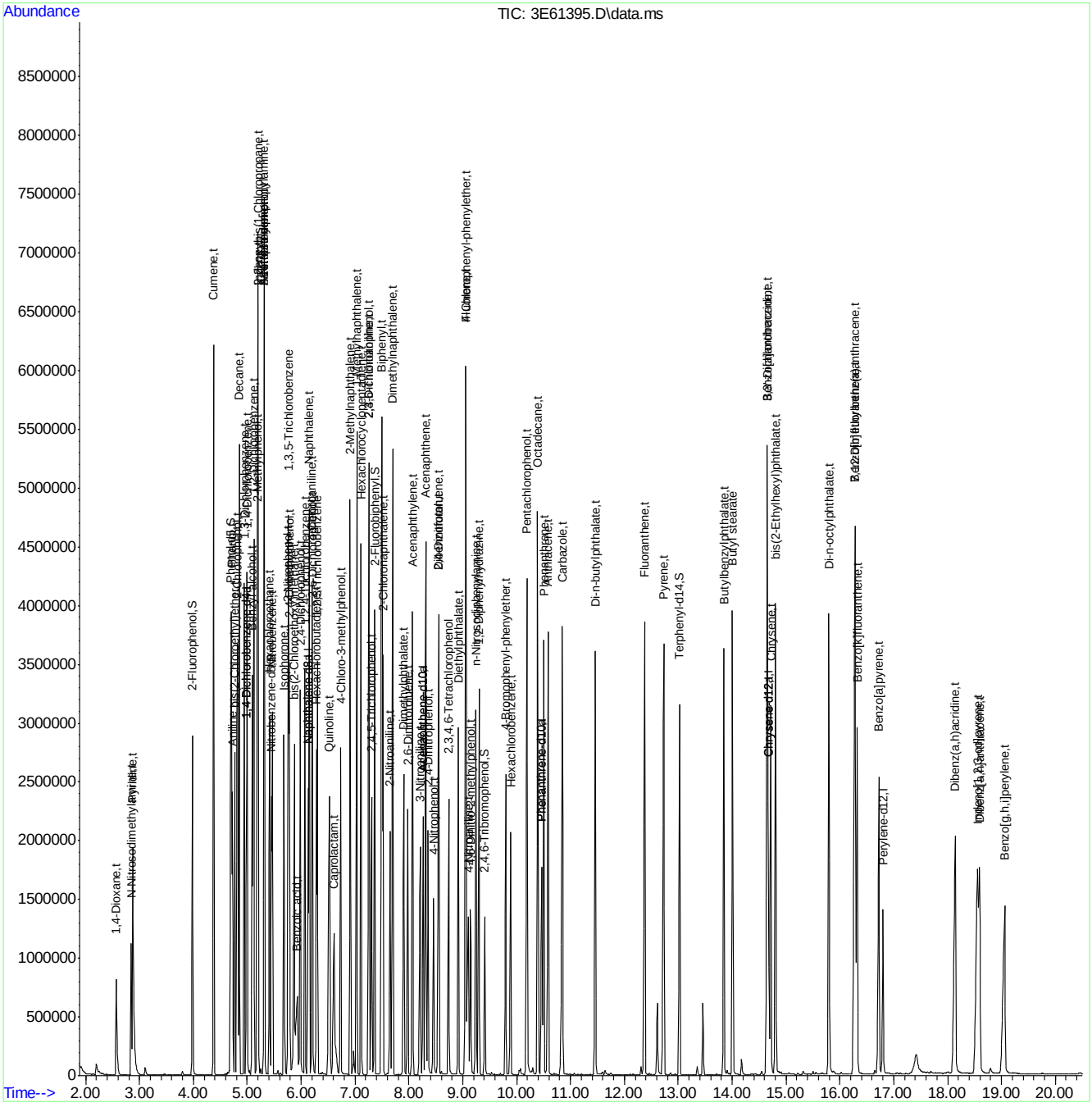
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6

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 JB68318

Manual Integration Approval Summary

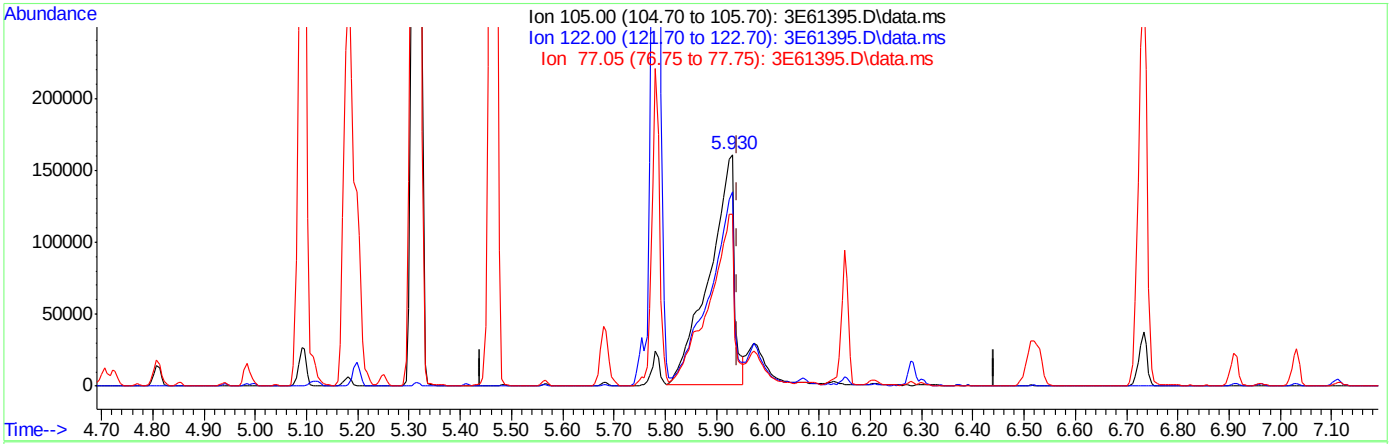
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61395.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 18:13	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

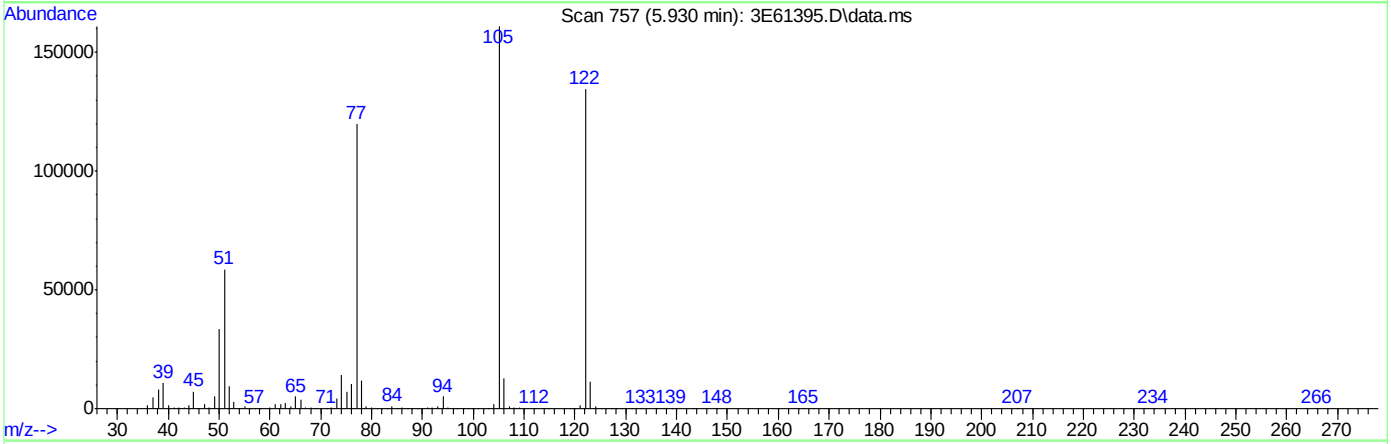
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.93	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.55	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:36:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(31) Benzoic acid (t)

5.930min (-0.011) 74.26ppb

response 539370

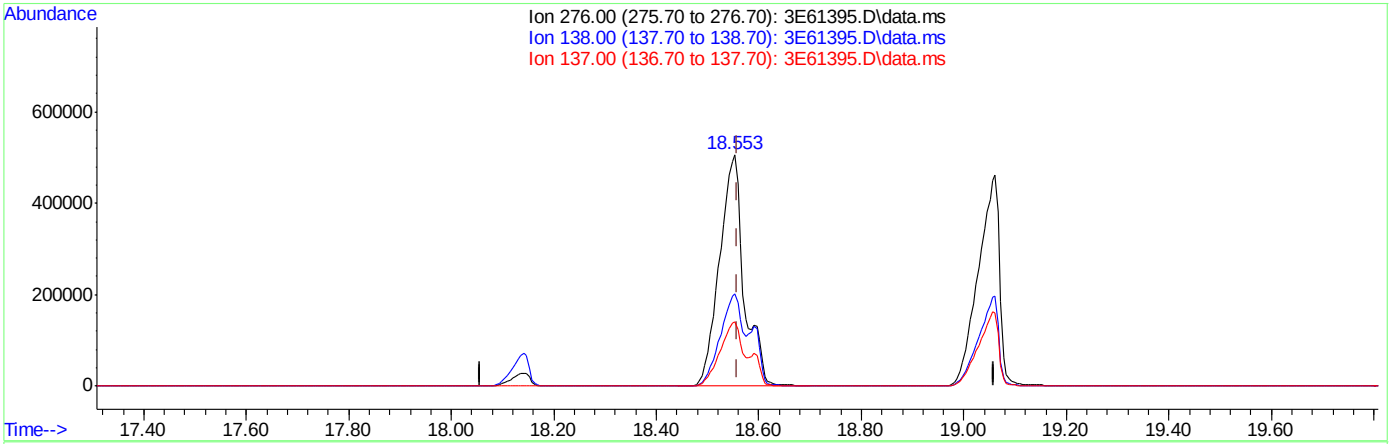
Ion	Exp%	Act%
105.00	100	100
122.00	80.20	78.78
77.05	73.10	72.65
0.00	0.00	0.00

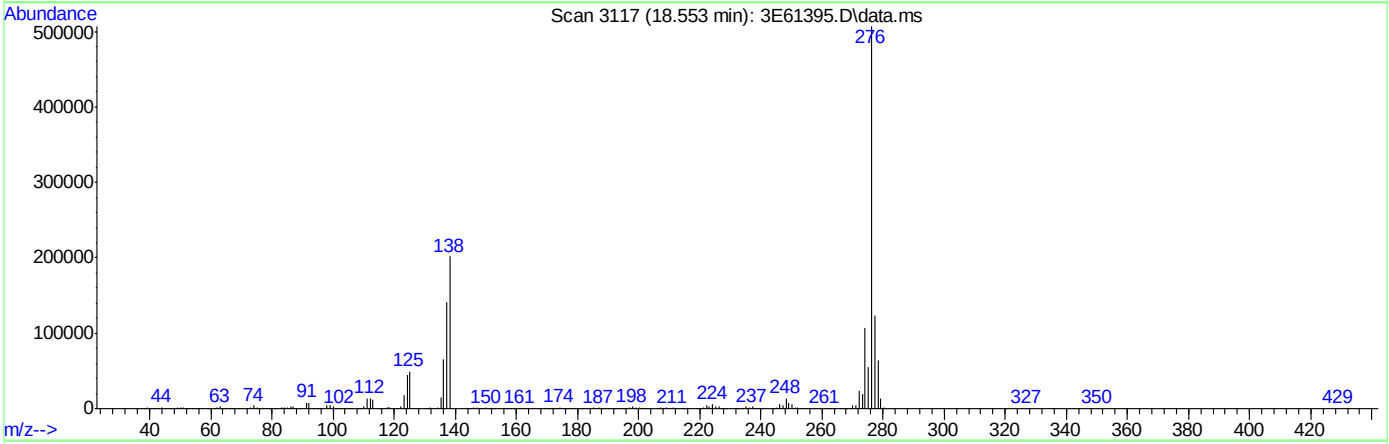
ACCUTEST LABORATORIES JB68318

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

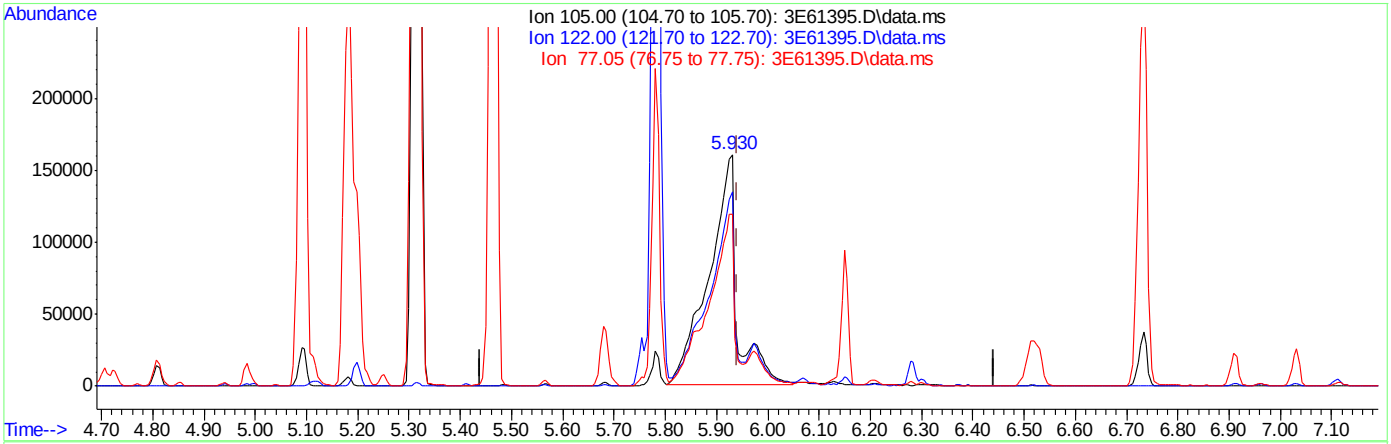
Ion	Exp%	Act%
276.00	100	100
138.00	40.30	39.77
137.00	28.00	27.91
0.00	0.00	0.00

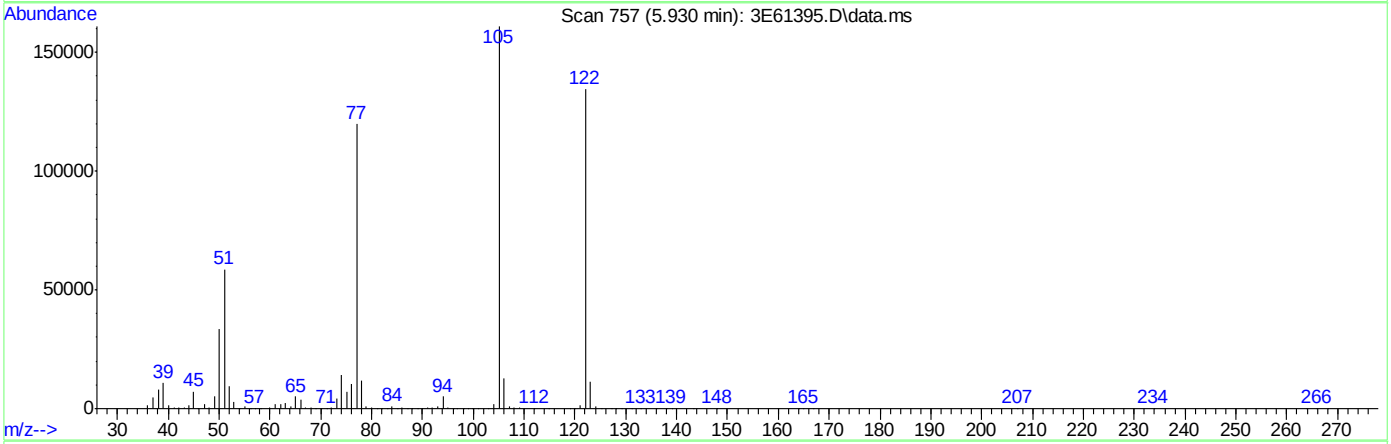
ACCUTEST LABORATORIES JB68318

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

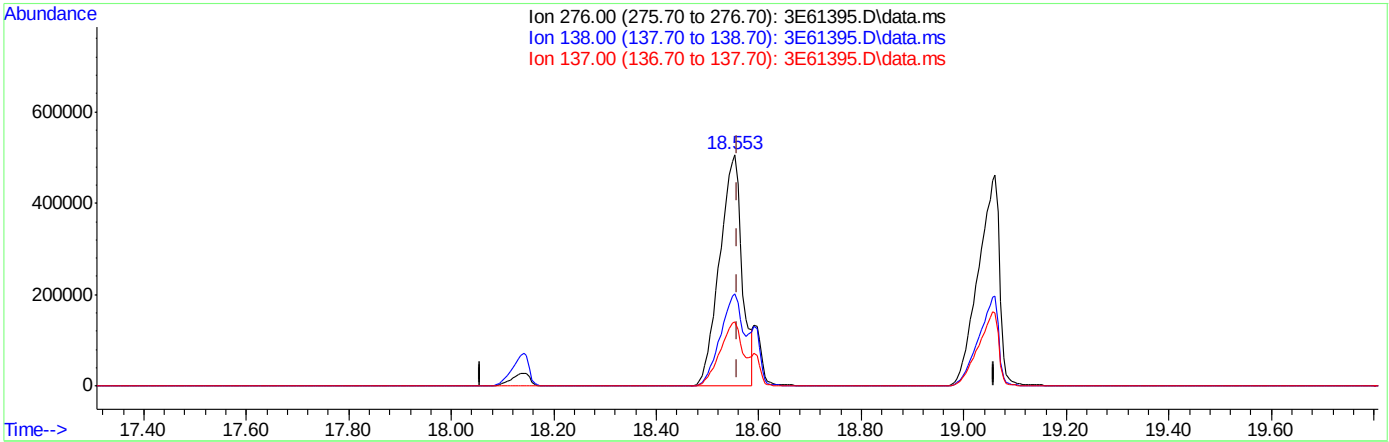
Ion	Exp%	Act%
105.00	100	100
122.00	80.20	83.70
77.05	73.10	74.36
0.00	0.00	0.00

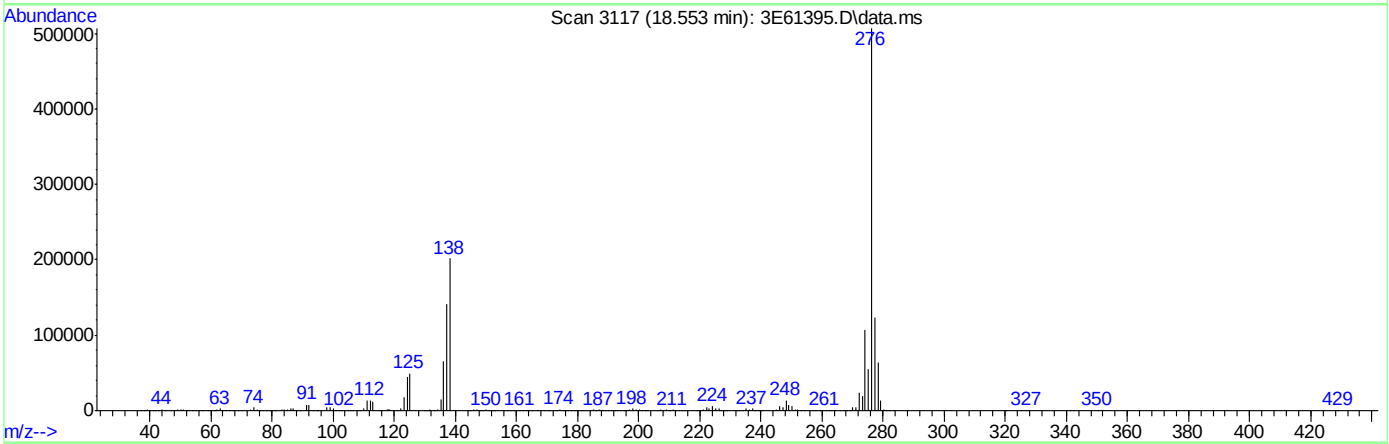
ACCUTEST LABORATORIES JB68318

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

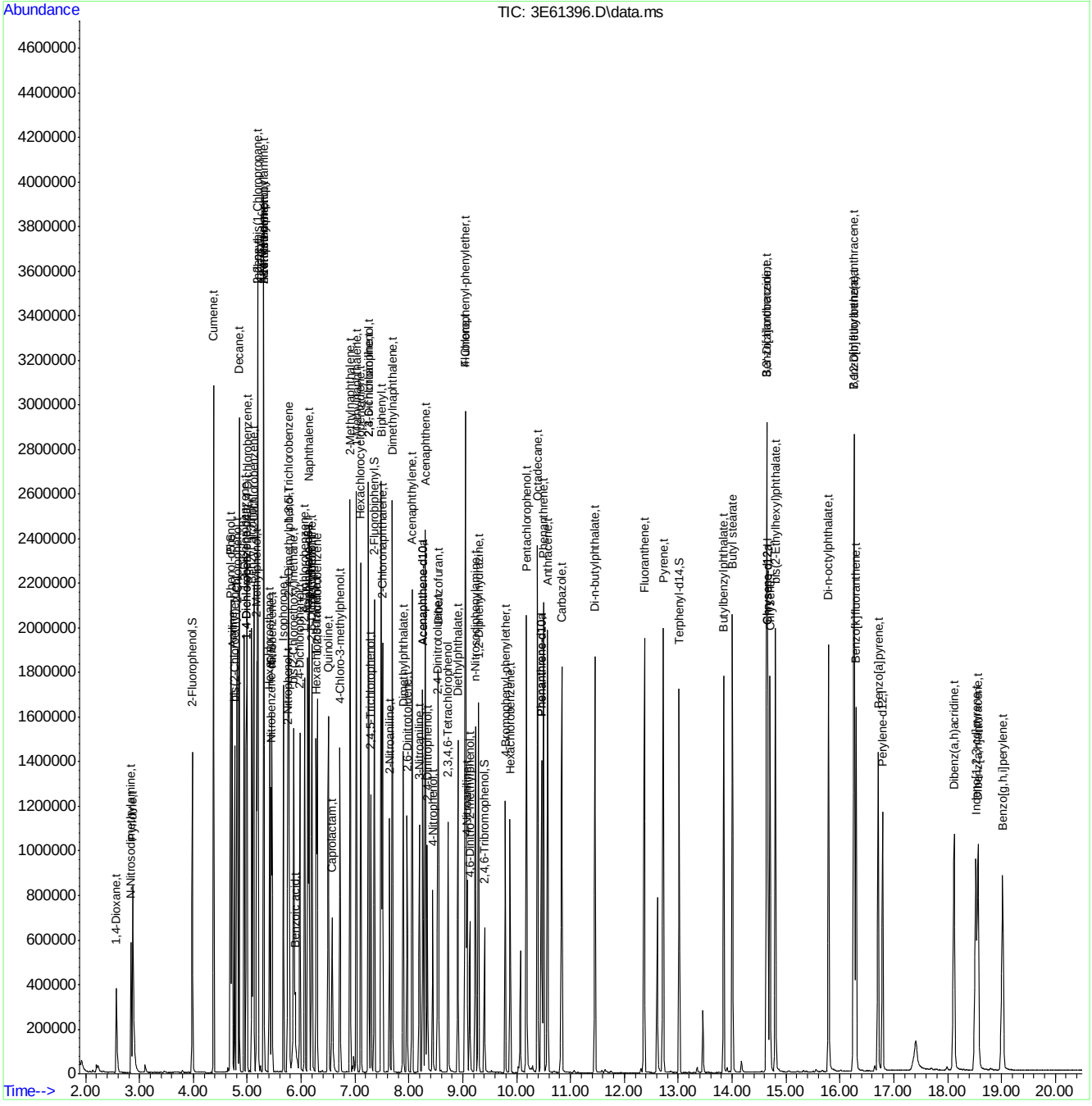
9.6.59

6

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



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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

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	67709	27.72	ppb	95
26) Nitrobenzene	5.454	77	227019	26.21	ppb	98
27) Quinoline	6.497	129	415278	24.11	ppb	99
28) Isophorone	5.668	82	394156	26.62	ppb	96
29) 2-Nitrophenol	5.748	139	112108	23.95	ppb	95
30) 2,4-Dimethylphenol	5.770	107	183803	24.23	ppb	100
31) Benzoic acid	5.861	105	126576	20.77	ppb	98
32) bis(2-Chloroethoxy)met...	5.861	93	227348	25.75	ppb	98
33) 2,4-Dichlorophenol	5.973	162	159762	25.71	ppb	99
34) 2,6-Dichlorophenol	6.203	162	152280	25.80	ppb	99
35) 1,3,5-Trichlorobenzene	5.759	180	184709	24.67	ppb	98
36) 1,2,4-Trichlorobenzene	6.064	180	170722	27.33	ppb	97
37) 1,2,3-Trichlorobenzene	6.294	180	163564	26.24	ppb	99
38) Naphthalene	6.144	128	608436	27.57	ppb	99
39) 4-Chloroaniline	6.187	127	269683	27.80	ppb	99
40) 2,3-Dichloroaniline	7.246	161	200185	24.79	ppb	98
41) Caprolactam	6.556	55	99027	22.44	ppb	98
42) Hexachlorobutadiene	6.278	225	77535	27.67	ppb	99
43) 4-Chloro-3-methylphenol	6.711	107	171438	25.09	ppb	97
44) 2-Methylnaphthalene	6.904	141	362072	26.54	ppb	100
45) 1-Methylnaphthalene	7.021	141	360177	24.71	ppb	99
46) Dimethylnaphthalene	7.690	156	362465	24.91	ppb	98
48) Hexachlorocyclopentadiene	7.107	237	170391	49.20	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	99397	25.92	ppb	100
50) 2,4,5-Trichlorophenol	7.294	196	104085	26.59	ppb	97
52) 2-Chloronaphthalene	7.508	162	348792	27.73	ppb	97
53) Biphenyl	7.481	154	484812	24.69	ppb	100
54) 2-Nitroaniline	7.636	65	112929	23.84	ppb	96
55) Dimethylphthalate	7.888	163	360828	26.02	ppb	99
56) Acenaphthylene	8.059	152	571006	26.21	ppb	98
57) 2,6-Dinitrotoluene	7.963	165	80864	24.12	ppb	100
58) 3-Nitroaniline	8.193	138	109721	24.57	ppb	96
59) Acenaphthene	8.300	153	360842	26.09	ppb	97
60) 2,4-Dinitrophenol	8.337	184	65524	39.20	ppb	87
61) 4-Nitrophenol	8.433	109	49885	23.02	ppb	97
62) Dibenzofuran	8.546	168	469782	26.20	ppb	99
63) 2,4-Dinitrotoluene	8.530	165	112277	24.46	ppb	94
64) 2,3,4,6-Tetrachlorophenol	8.728	232	75802	25.44	ppb	97
65) Diethylphthalate	8.904	149	367443	25.57	ppb	99
66) Fluorene	9.043	166	400333	25.67	ppb	98
67) 4-Chlorophenyl-phenyle...	9.054	204	160159	26.57	ppb	94
68) 4-Nitroaniline	9.070	138	114904	26.32	ppb	99
70) 4,6-Dinitro-2-methylph...	9.123	198	45830	21.61	ppb	95
71) n-Nitrosodiphenylamine	9.230	169	260275	25.42	ppb	98
72) 1,2-Diphenylhydrazine	9.289	77	430294	26.03	ppb	99
74) 4-Bromophenyl-phenylether	9.787	248	84891	26.54	ppb	99
75) Hexachlorobenzene	9.878	284	88354	28.20	ppb	92
76) Pentachlorophenol	10.177	266	112188	48.55	ppb	99
77) Phenanthrene	10.493	178	513729	26.57	ppb	99
78) Anthracene	10.573	178	523721	27.18	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

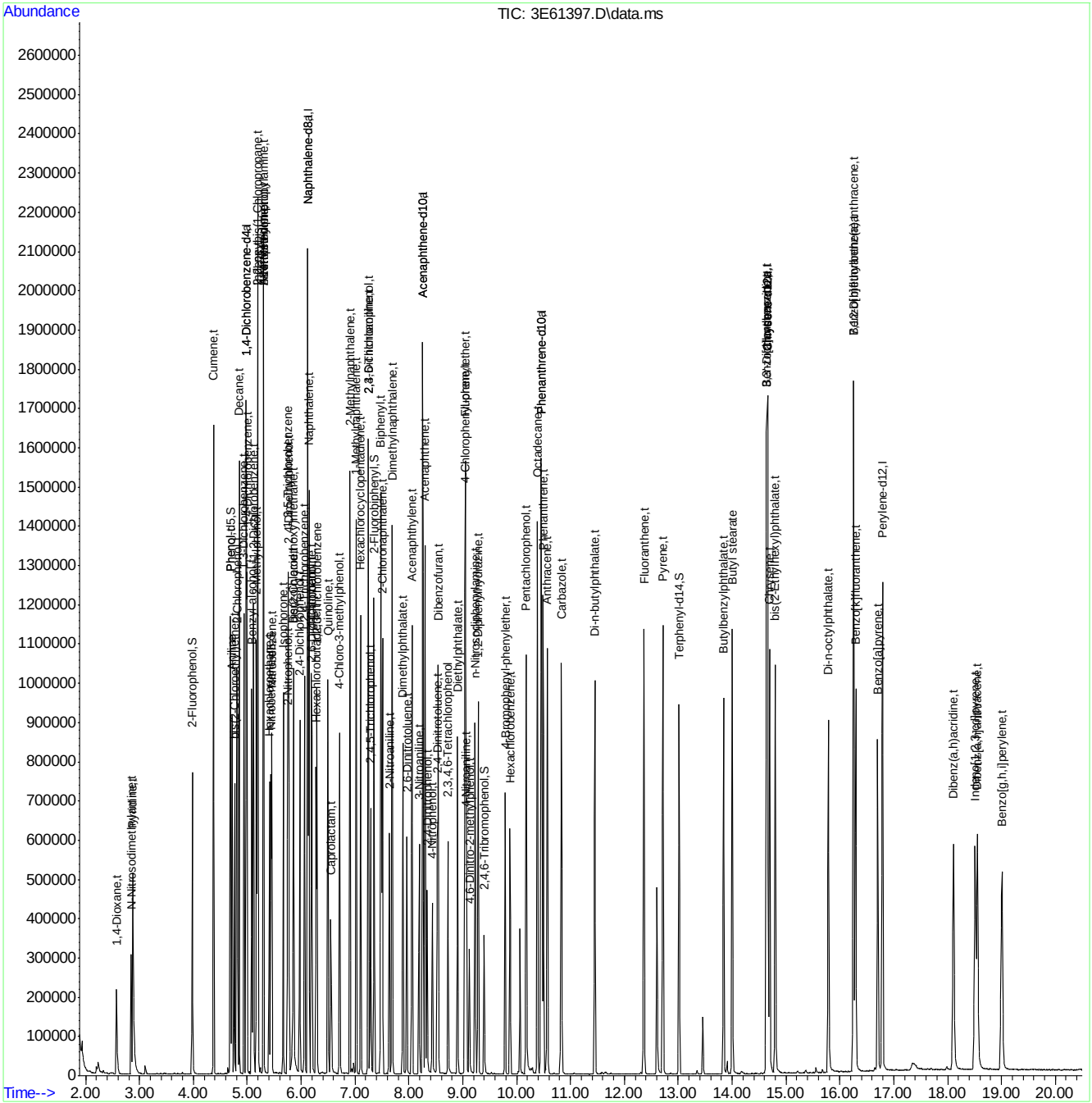
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) Carbazole	10.830	167	525173	24.11 ppb	99
80) Di-n-butylphthalate	11.450	149	606621	25.01 ppb	99
81) Fluoranthene	12.365	202	536008	25.14 ppb	99
82) Octadecane	10.386	57	290621	24.41 ppb	100
84) Pyrene	12.718	202	560264	24.56 ppb	99
86) Butylbenzylphthalate	13.841	149	264450	21.92 ppb	96
87) Butyl stearate	14.001	56	194776	23.54 ppb	97
88) Benzo[a]anthracene	14.643	228	495057	24.45 ppb	99
89) 3,3'-Dichlorobenzidine	14.638	252	175462	22.62 ppb	98
90) Chrysene	14.697	228	419549	26.87 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	343415	23.10 ppb	100
93) Di-n-octylphthalate	15.788	149	582327	21.18 ppb	99
94) Benzo[b]fluoranthene	16.253	252	486963	23.98 ppb	97
95) Benzo[k]fluoranthene	16.296	252	436440	29.00 ppb	99
96) Benzo[a]pyrene	16.702	252	401898	25.25 ppb	100
97) Indeno[1,2,3-cd]pyrene	18.510	276	406893	21.61 ppb	98
98) Dibenz(a,h)acridine	18.114	279	354073	21.46 ppb	98
99) Dibenz[a,h]anthracene	18.553	278	392300	25.89 ppb	99
100) 7,12-Dimethylbenz(a)an...	16.258	256	213734	19.51 ppb	98
101) Benzo[g,h,i]perylene	19.008	276	390385	24.92 ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	347404	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1287319	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	698038	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	1044857	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	950511	40.00	ppb	0.00
92) Perylene-d12	16.794	264	781278	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	347404	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	698038	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	1044857	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	950511	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1287319	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.978	112	116635	9.93	ppb	0.00
Spiked Amount 50.000			Recovery = 19.86%			
8) Phenol-d5	4.679	99	146361	10.06	ppb	0.00
Spiked Amount 50.000			Recovery = 20.12%			
25) Nitrobenzene-d5	5.438	82	113169	10.15	ppb	0.00
Spiked Amount 50.000			Recovery = 20.30%			
51) 2-Fluorobiphenyl	7.353	172	215199	10.05	ppb	0.00
Spiked Amount 50.000			Recovery = 20.10%			
73) 2,4,6-Tribromophenol	9.396	330	19438	10.63	ppb	0.00
Spiked Amount 50.000			Recovery = 21.26%			
85) Terphenyl-d14	13.012	244	199326	9.92	ppb	0.00
Spiked Amount 50.000			Recovery = 19.84%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.571	88	63002	10.06	ppb	100
3) Pyridine	2.876	79	154968	10.07	ppb	95
4) N-Nitrosodimethylamine	2.844	74	85536	10.00	ppb	100
6) Indene	5.192	116	250383	10.84	ppb	98
7) Cumene	4.374	105	347713	10.69	ppb	97
9) Phenol	4.690	94	165840	9.89	ppb	90
10) Aniline	4.716	93	178377	10.00	ppb	99
11) bis(2-Chloroethyl)ether	4.759	93	118527	10.05	ppb	98
12) 2-Chlorophenol	4.813	128	130295	10.01	ppb	97
13) Decane	4.850	43	155205	11.01	ppb	98
14) 1,3-Dichlorobenzene	4.936	146	139661	10.04	ppb	100
15) 1,4-Dichlorobenzene	4.994	146	138406	10.01	ppb	96
16) Benzyl alcohol	5.080	108	83396	9.98	ppb	99
17) 1,2-Dichlorobenzene	5.123	146	129983	10.15	ppb	97
18) Acetophenone	5.305	105	197114	10.80	ppb	100
19) 2-Methylphenol	5.171	108	114515	10.32	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.192	121	44621	10.18	ppb	89
21) 3&4-Methylphenol	5.294	108	123301	10.48	ppb	97
22) n-Nitroso-di-n-propyla...	5.299	70	84616	10.44	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.412	201	38588	10.20	ppb	90
26) Nitrobenzene	5.454	77	126639	10.12	ppb	98
27) Quinoline	6.492	129	269234	10.51	ppb	99
28) Isophorone	5.663	82	219718	10.25	ppb	99
29) 2-Nitrophenol	5.743	139	60912	10.11	ppb	99
30) 2,4-Dimethylphenol	5.770	107	94360	9.96	ppb	98
31) Benzoic acid	5.845	105	62087	10.22	ppb	98
32) bis(2-Chloroethoxy)met...	5.861	93	128430	9.99	ppb	99
33) 2,4-Dichlorophenol	5.973	162	90638	10.22	ppb	99
34) 2,6-Dichlorophenol	6.198	162	87525	10.17	ppb	97
35) 1,3,5-Trichlorobenzene	5.759	180	120159	10.37	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	98845	10.17	ppb	98
37) 1,2,3-Trichlorobenzene	6.294	180	107603	10.56	ppb	99
38) Naphthalene	6.144	128	353611	10.16	ppb	98
39) 4-Chloroaniline	6.187	127	148867	10.24	ppb	98
40) 2,3-Dichloroaniline	7.241	161	127014	10.50	ppb	98
41) Caprolactam	6.540	55	60687	10.42	ppb	98
42) Hexachlorobutadiene	6.278	225	45051	10.16	ppb	100
43) 4-Chloro-3-methylphenol	6.711	107	95367	10.14	ppb	94
44) 2-Methylnaphthalene	6.904	141	202782	10.02	ppb	98
45) 1-Methylnaphthalene	7.022	141	229500	10.37	ppb	99
46) Dimethylnaphthalene	7.685	156	233326	10.57	ppb	99
48) Hexachlorocyclopentadiene	7.107	237	97950	20.54	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	57574	10.48	ppb	98
50) 2,4,5-Trichlorophenol	7.289	196	59877	10.40	ppb	98
52) 2-Chloronaphthalene	7.503	162	200752	10.16	ppb	97
53) Biphenyl	7.482	154	315130	10.48	ppb	99
54) 2-Nitroaniline	7.631	65	59837	9.60	ppb	96
55) Dimethylphthalate	7.888	163	209124	9.99	ppb	100
56) Acenaphthylene	8.054	152	328037	10.22	ppb	98
57) 2,6-Dinitrotoluene	7.958	165	43661	9.41	ppb	99
58) 3-Nitroaniline	8.188	138	59623	10.41	ppb	98
59) Acenaphthene	8.300	153	204887	9.97	ppb	98
60) 2,4-Dinitrophenol	8.332	184	29726	22.75	ppb	88
61) 4-Nitrophenol	8.428	109	26646	9.08	ppb	99
62) Dibenzofuran	8.541	168	271506	9.91	ppb	100
63) 2,4-Dinitrotoluene	8.525	165	59085	9.39	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.722	232	43071	10.57	ppb	95
65) Diethylphthalate	8.899	149	211194	10.20	ppb	98
66) Fluorene	9.038	166	228256	10.08	ppb	99
67) 4-Chlorophenyl-phenyle...	9.054	204	95304	10.22	ppb	91
68) 4-Nitroaniline	9.065	138	62286	10.62	ppb	98
70) 4,6-Dinitro-2-methylph...	9.118	198	21953	7.66	ppb	95
71) n-Nitrosodiphenylamine	9.225	169	151813	10.25	ppb	96
72) 1,2-Diphenylhydrazine	9.284	77	240199	10.21	ppb	96
74) 4-Bromophenyl-phenylether	9.787	248	50328	10.35	ppb	97
75) Hexachlorobenzene	9.872	284	51621	10.11	ppb	93
76) Pentachlorophenol	10.177	266	62726	20.17	ppb	99
77) Phenanthrene	10.493	178	296391	10.06	ppb	98
78) Anthracene	10.568	178	296699	10.30	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

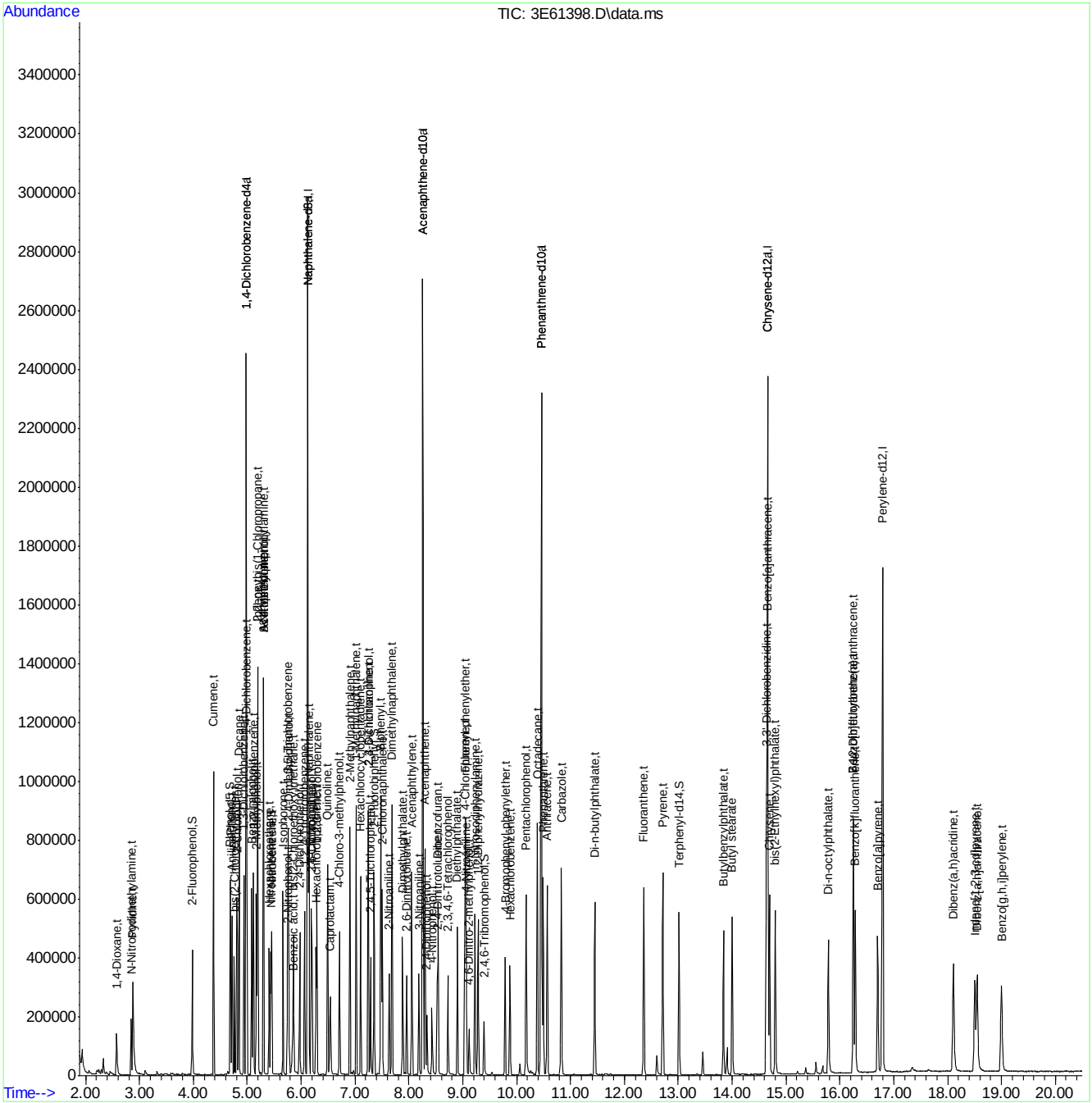
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	338608	10.59	ppb	99
80) Di-n-butylphthalate	11.450	149	339861	10.33	ppb	98
81) Fluoranthene	12.360	202	302992	10.12	ppb	98
82) Octadecane	10.386	57	180331	10.83	ppb	99
84) Pyrene	12.713	202	321157	9.89	ppb	99
86) Butylbenzylphthalate	13.841	149	142073	9.78	ppb	96
87) Butyl stearate	13.996	56	96742	9.17	ppb	98
88) Benzo[a]anthracene	14.643	228	284506	9.68	ppb	99
89) 3,3'-Dichlorobenzidine	14.633	252	97610	9.46	ppb	100
90) Chrysene	14.697	228	241961	10.02	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	185625	9.52	ppb	99
93) Di-n-octylphthalate	15.788	149	306433	10.03	ppb	99
94) Benzo[b]fluoranthene	16.248	252	268355	10.17	ppb	95
95) Benzo[k]fluoranthene	16.291	252	261384	11.01	ppb	97
96) Benzo[a]pyrene	16.703	252	224798	10.36	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.505	276	222068	10.01	ppb	93
98) Dibenz(a,h)acridine	18.109	279	225269	10.54	ppb	97
99) Dibenz[a,h]anthracene	18.548	278	221984	10.40	ppb	97
100) 7,12-Dimethylbenz(a)an...	16.253	256	78383	9.55	ppb	95
101) Benzo[g,h,i]perylene	19.003	276	221935	10.34	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	391999	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	1444960	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	789633	40.00	ppb		0.00
69) Phenanthrene-d10	10.461	188	1194683	40.00	ppb		0.00
83) Chrysene-d12	14.659	240	1069339	40.00	ppb		0.00
92) Perylene-d12	16.793	264	899595	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	391999	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	789633	40.00	ppb		0.00
106) Phenanthrene-d10a	10.461	188	1194683	40.00	ppb		0.00
110) Chrysene-d12a	14.659	240	1069339	40.00	ppb		0.00
112) Naphthalene-d8a	6.123	136	1444960	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	66174	5.00	ppb		0.00
Spiked Amount 50.000			Recovery =	10.00%			
8) Phenol-d5	4.679	99	83454	5.09	ppb		0.00
Spiked Amount 50.000			Recovery =	10.18%			
25) Nitrobenzene-d5	5.438	82	64614	5.16	ppb		0.00
Spiked Amount 50.000			Recovery =	10.32%			
51) 2-Fluorobiphenyl	7.353	172	126705	5.23	ppb		0.00
Spiked Amount 50.000			Recovery =	10.46%			
73) 2,4,6-Tribromophenol	9.396	330	11147	5.33	ppb		0.00
Spiked Amount 50.000			Recovery =	10.66%			
85) Terphenyl-d14	13.012	244	115027	5.09	ppb		0.00
Spiked Amount 50.000			Recovery =	10.18%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.571	88	36945	5.23	ppb		98
3) Pyridine	2.882	79	89684	5.16	ppb		98
4) N-Nitrosodimethylamine	2.844	74	49196	5.10	ppb		97
6) Indene	5.192	116	144829	5.56	ppb		96
7) Cumene	4.374	105	201829	5.50	ppb		96
9) Phenol	4.689	94	94834	5.01	ppb		88
10) Aniline	4.716	93	109364	5.43	ppb		99
11) bis(2-Chloroethyl)ether	4.759	93	68770	5.17	ppb		97
12) 2-Chlorophenol	4.812	128	75564	5.15	ppb		97
13) Decane	4.850	43	90297	5.68	ppb		98
14) 1,3-Dichlorobenzene	4.935	146	81386	5.19	ppb		100
15) 1,4-Dichlorobenzene	4.994	146	80734	5.18	ppb		97
16) Benzyl alcohol	5.080	108	48239	5.12	ppb		98
17) 1,2-Dichlorobenzene	5.123	146	74946	5.19	ppb		99
18) Acetophenone	5.304	105	115221	5.59	ppb		99
19) 2-Methylphenol	5.171	108	66941	5.34	ppb		96
20) 2,2'-oxybis(1-Chloropr...	5.192	121	25956	5.25	ppb	#	76
21) 3&4-Methylphenol	5.294	108	69460	5.23	ppb		99
22) n-Nitroso-di-n-propyla...	5.299	70	49244	5.39	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	22330	5.23	ppb	90
26) Nitrobenzene	5.454	77	72110	5.13	ppb	99
27) Quinoline	6.492	129	156324	5.44	ppb	99
28) Isophorone	5.663	82	124971	5.19	ppb	99
29) 2-Nitrophenol	5.743	139	33020	4.88	ppb	97
30) 2,4-Dimethylphenol	5.770	107	50364	4.74	ppb	99
31) Benzoic acid	5.829	105	27913	6.18	ppb	92
32) bis(2-Chloroethoxy)met...	5.861	93	74562	5.17	ppb	100
33) 2,4-Dichlorophenol	5.973	162	51864	5.21	ppb	98
34) 2,6-Dichlorophenol	6.198	162	50639	5.24	ppb	99
35) 1,3,5-Trichlorobenzene	5.759	180	71659	5.51	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	58726	5.38	ppb	96
37) 1,2,3-Trichlorobenzene	6.294	180	64373	5.63	ppb	98
38) Naphthalene	6.144	128	206891	5.30	ppb	98
39) 4-Chloroaniline	6.187	127	85662	5.25	ppb	99
40) 2,3-Dichloroaniline	7.241	161	73575	5.42	ppb	99
41) Caprolactam	6.529	55	33538	5.13	ppb	96
42) Hexachlorobutadiene	6.278	225	26593	5.34	ppb	98
43) 4-Chloro-3-methylphenol	6.706	107	53899	5.11	ppb	98
44) 2-Methylnaphthalene	6.904	141	117917	5.19	ppb	100
45) 1-Methylnaphthalene	7.021	141	133883	5.39	ppb	99
46) Dimethylnaphthalene	7.685	156	134786	5.44	ppb	100
48) Hexachlorocyclopentadiene	7.102	237	55852	10.35	ppb	99
49) 2,4,6-Trichlorophenol	7.246	196	32420	5.21	ppb	93
50) 2,4,5-Trichlorophenol	7.289	196	34320	5.27	ppb	98
52) 2-Chloronaphthalene	7.503	162	118833	5.32	ppb	96
53) Biphenyl	7.481	154	181706	5.34	ppb	99
54) 2-Nitroaniline	7.631	65	31747	4.50	ppb	93
55) Dimethylphthalate	7.882	163	121312	5.12	ppb	100
56) Acenaphthylene	8.054	152	189240	5.21	ppb	97
57) 2,6-Dinitrotoluene	7.957	165	23206	4.68	ppb	100
58) 3-Nitroaniline	8.187	138	31543	4.87	ppb	96
59) Acenaphthene	8.300	153	117846	5.07	ppb	99
60) 2,4-Dinitrophenol	8.332	184	11931	15.60	ppb	77
61) 4-Nitrophenol	8.428	109	14096	4.24	ppb	96
62) Dibenzofuran	8.540	168	159450	5.14	ppb	99
63) 2,4-Dinitrotoluene	8.524	165	31254	4.71	ppb	91
64) 2,3,4,6-Tetrachlorophenol	8.722	232	23904	5.19	ppb	96
65) Diethylphthalate	8.899	149	119130	5.09	ppb	99
66) Fluorene	9.038	166	129502	5.06	ppb	99
67) 4-Chlorophenyl-phenyle...	9.054	204	56716	5.38	ppb	89
68) 4-Nitroaniline	9.059	138	33454	5.04	ppb	98
70) 4,6-Dinitro-2-methylph...	9.118	198	10133	3.09	ppb	91
71) n-Nitrosodiphenylamine	9.225	169	85946	5.07	ppb	97
72) 1,2-Diphenylhydrazine	9.284	77	135291	5.03	ppb	97
74) 4-Bromophenyl-phenylether	9.787	248	28593	5.14	ppb	97
75) Hexachlorobenzene	9.872	284	31898	5.46	ppb	88
76) Pentachlorophenol	10.177	266	33236	9.35	ppb	100
77) Phenanthrene	10.493	178	172532	5.12	ppb	98
78) Anthracene	10.567	178	170642	5.18	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	193494	5.29	ppb	97
80) Di-n-butylphthalate	11.450	149	185974	4.94	ppb	99
81) Fluoranthene	12.359	202	170973	5.00	ppb	98
82) Octadecane	10.386	57	99420	5.22	ppb	99
84) Pyrene	12.712	202	182864	5.01	ppb	99
86) Butylbenzylphthalate	13.836	149	74606	5.79	ppb	99
87) Butyl stearate	14.001	56	49854	4.20	ppb	95
88) Benzo[a]anthracene	14.643	228	161810	4.89	ppb	99
89) 3,3'-Dichlorobenzidine	14.632	252	51610	4.45	ppb	98
90) Chrysene	14.697	228	139536	5.13	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	96827	4.41	ppb	100
93) Di-n-octylphthalate	15.782	149	154414	5.92	ppb	98
94) Benzo[b]fluoranthene	16.248	252	150406	4.95	ppb	93
95) Benzo[k]fluoranthene	16.285	252	148745	5.44	ppb	98
96) Benzo[a]pyrene	16.702	252	124999	5.00	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.500	276	118554	4.64	ppb	98
98) Dibenz(a,h)acridine	18.109	279	122446	4.97	ppb	96
99) Dibenz[a,h]anthracene	18.548	278	125296	5.10	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.248	256	30539	6.62	ppb	98
101) Benzo[g,h,i]perylene	18.997	276	122344	4.95	ppb	95

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

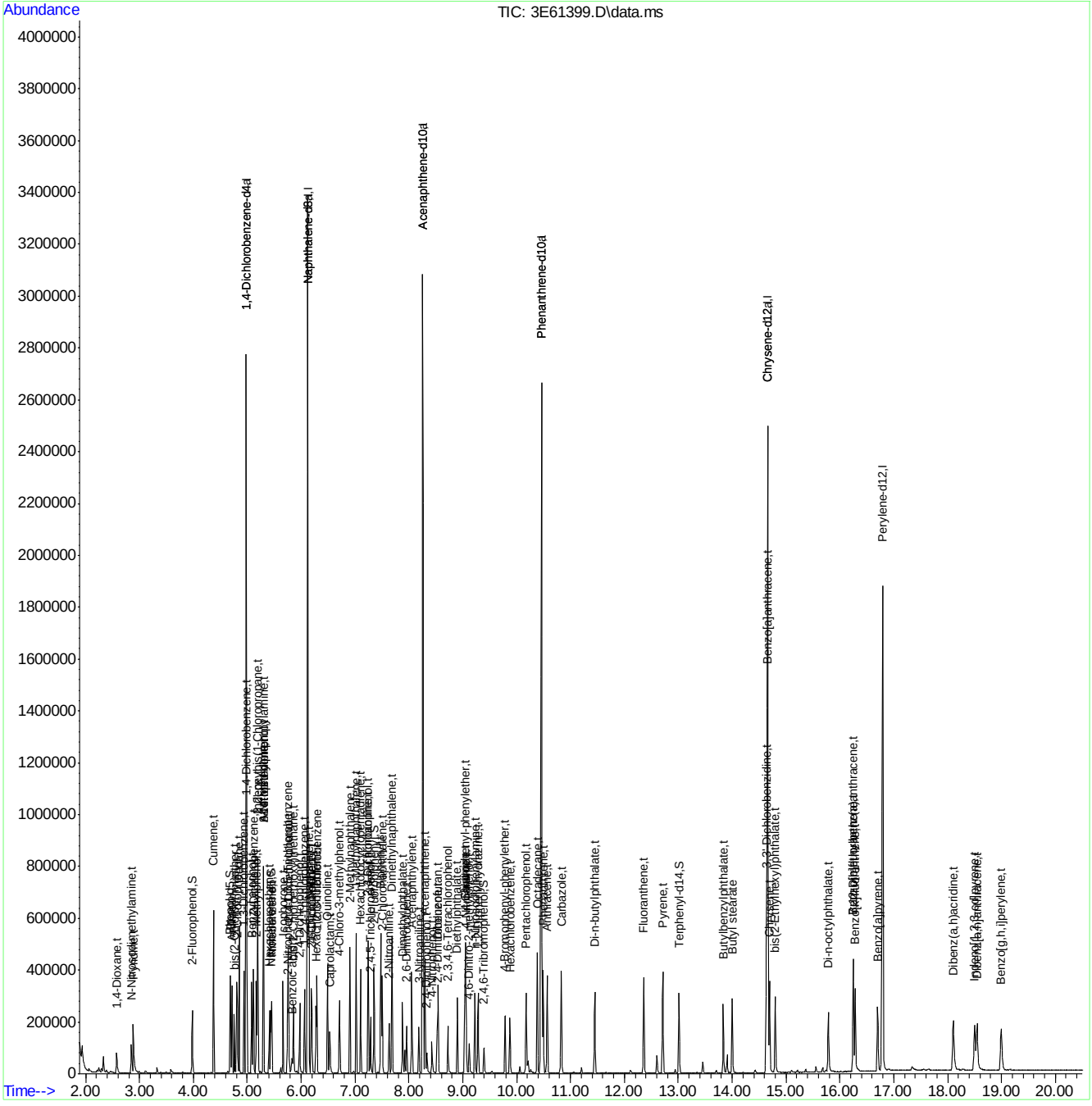
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9

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 JB68318

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

ACCUTEST LABORATORIES JB68318

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

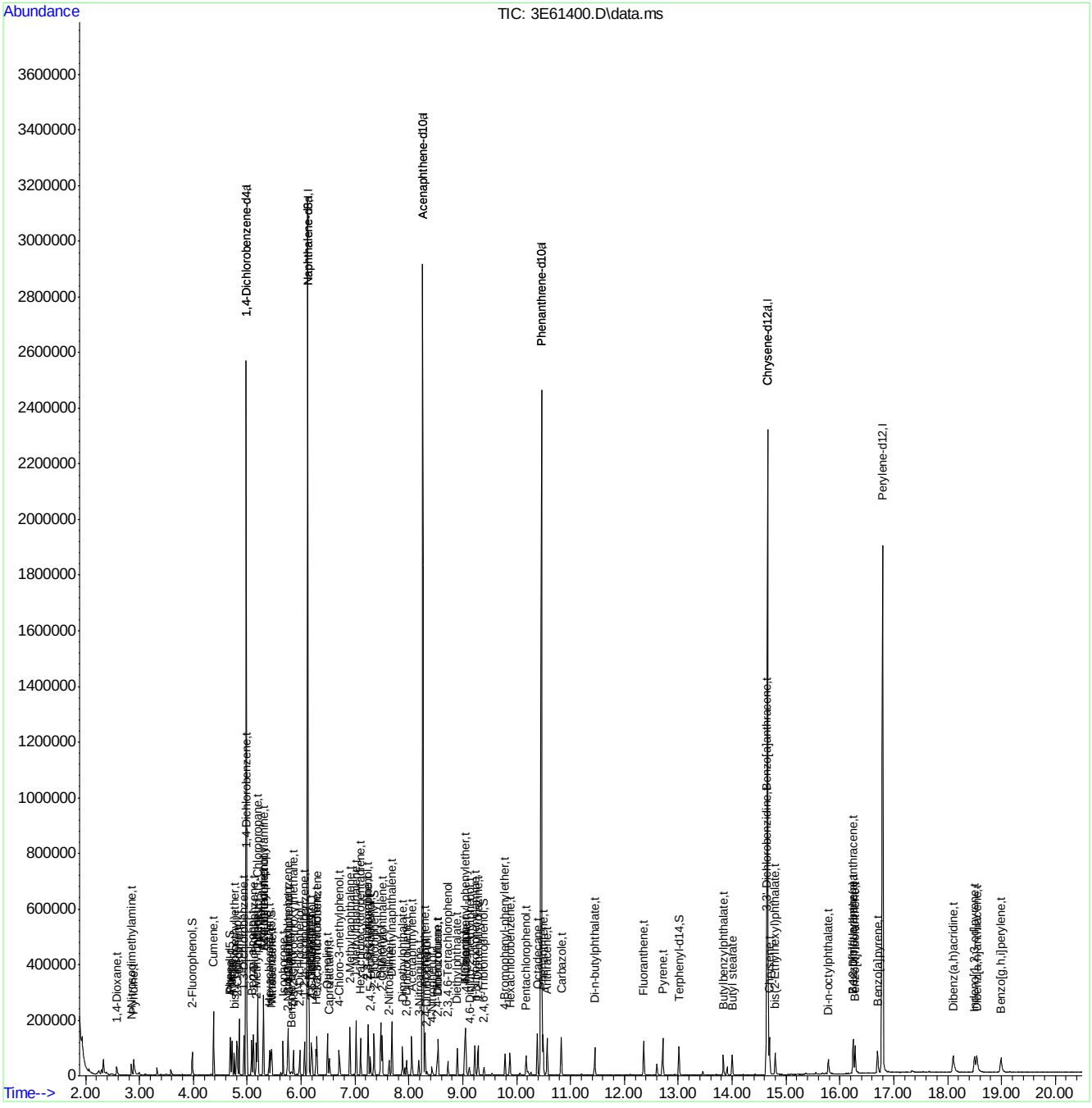
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Quantitation Report (QT Reviewed)

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 JB68318

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

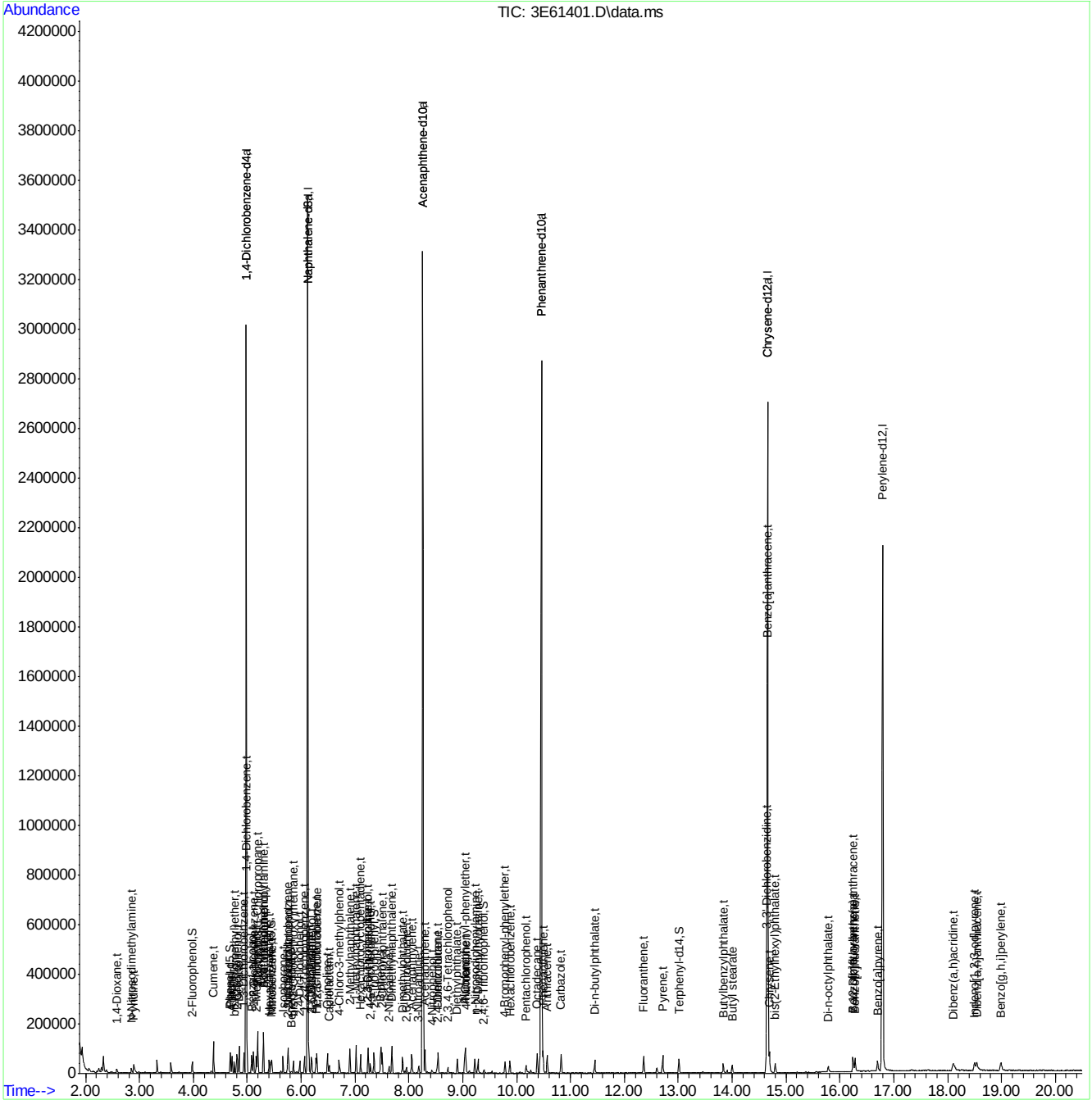
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Quantitation Report (QT Reviewed)

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

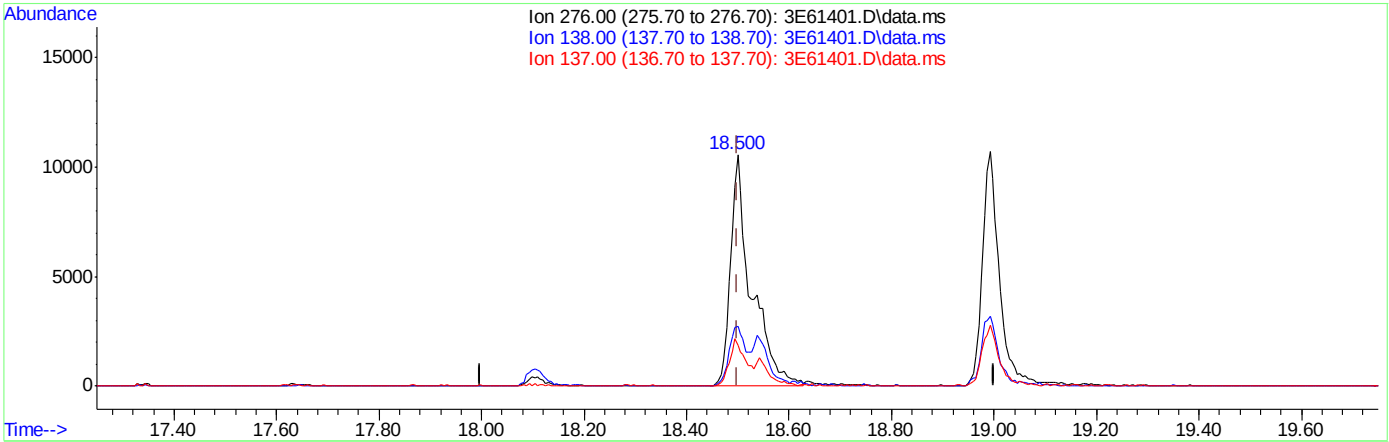
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61401.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 21:01	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

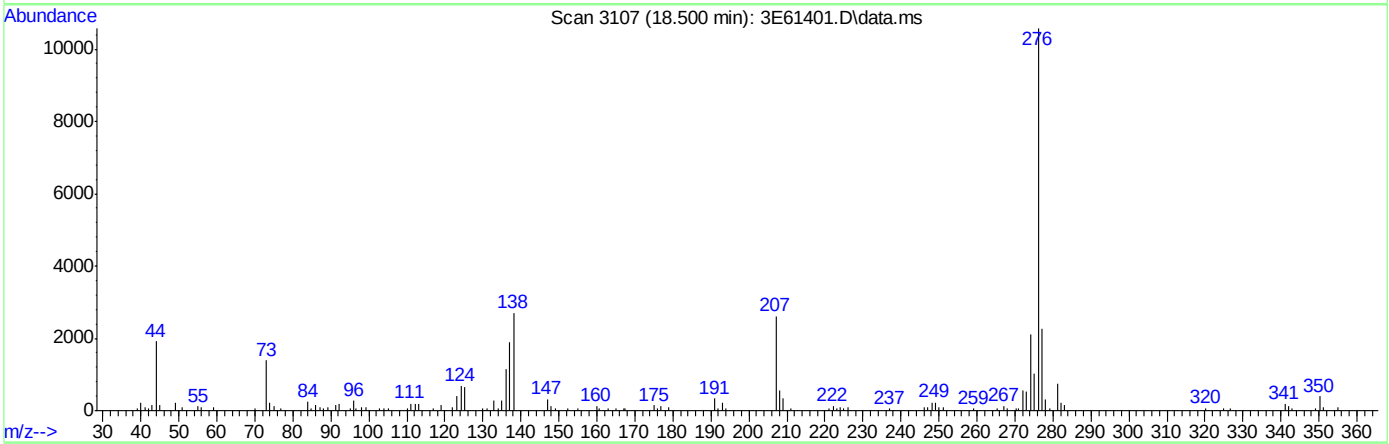
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.50	Poor instrument integration

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

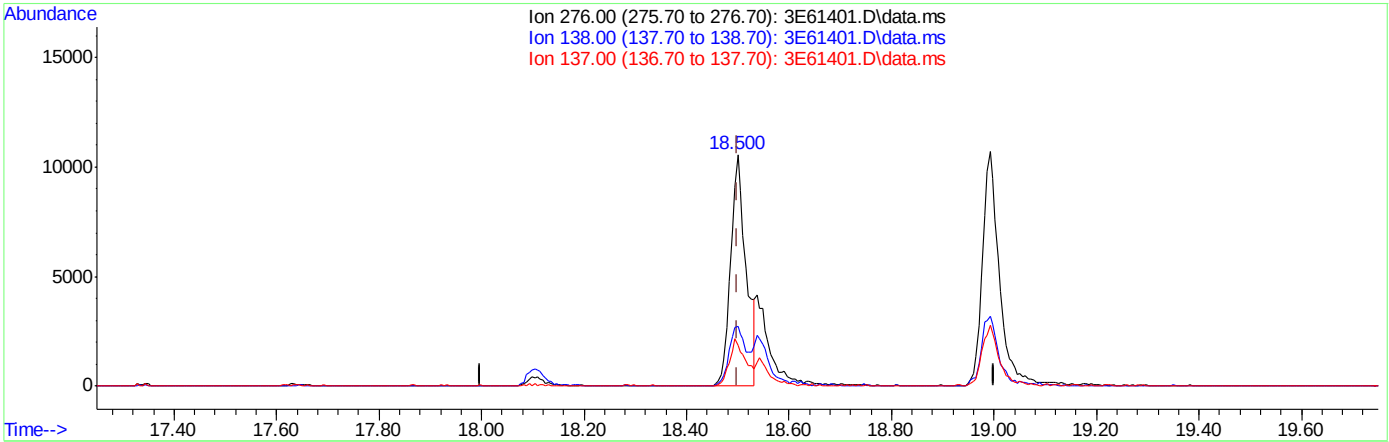
Ion	Exp%	Act%
276.00	100	100
138.00	28.80	25.31
137.00	22.10	17.52
0.00	0.00	0.00

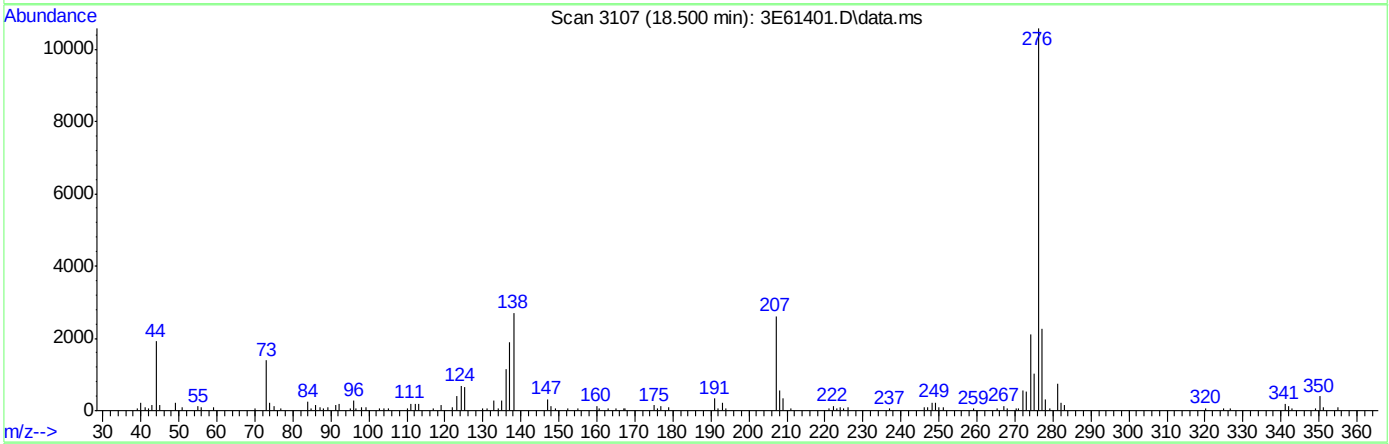
ACCUTEST LABORATORIES JB68318

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

ACCUTEST LABORATORIES JB68318

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

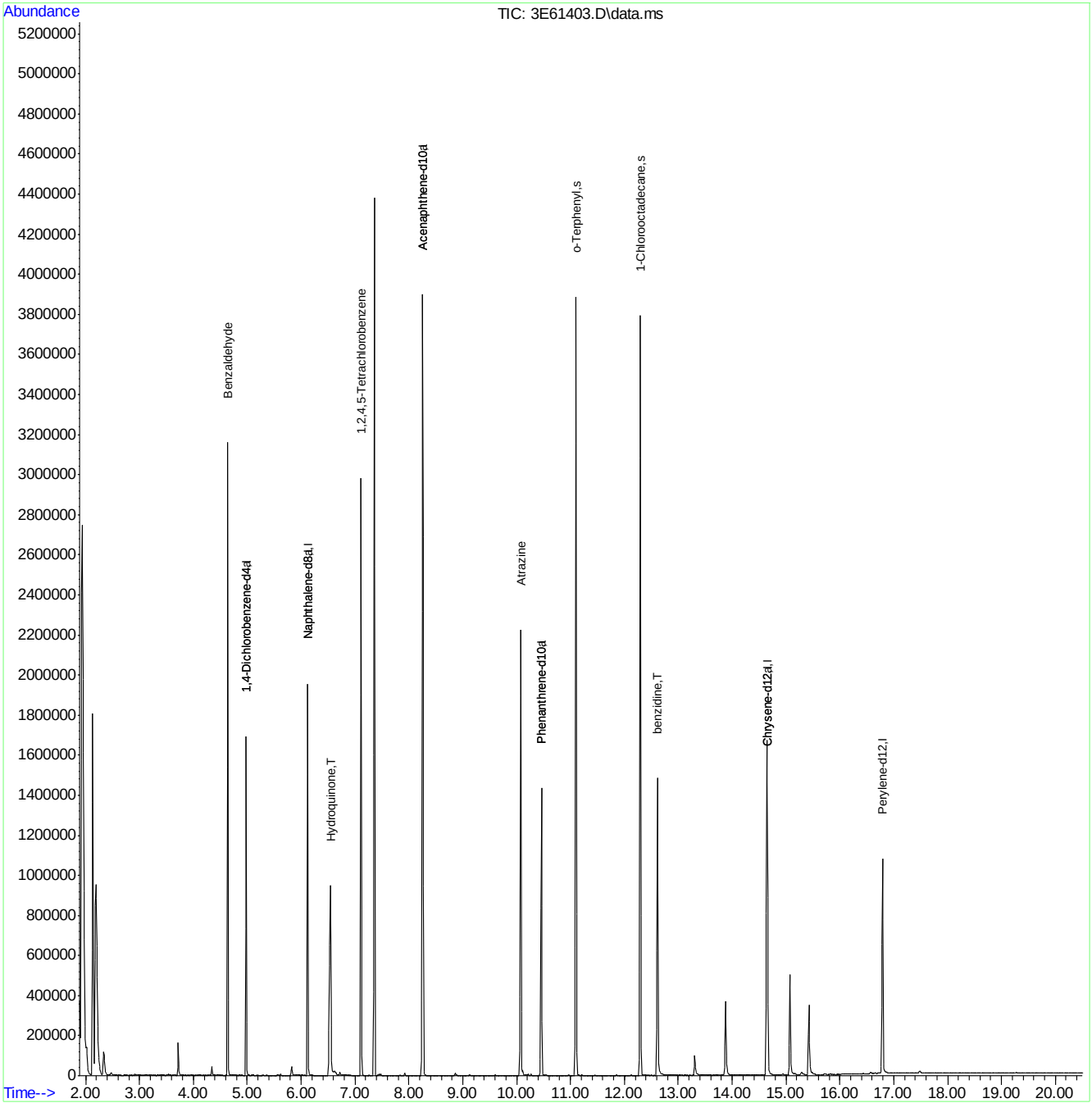
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	219122	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	842727	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	437645	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	631082	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	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



M3E2646.M Thu Jun 05 16:04:39 2014 MS3E Page: 2

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

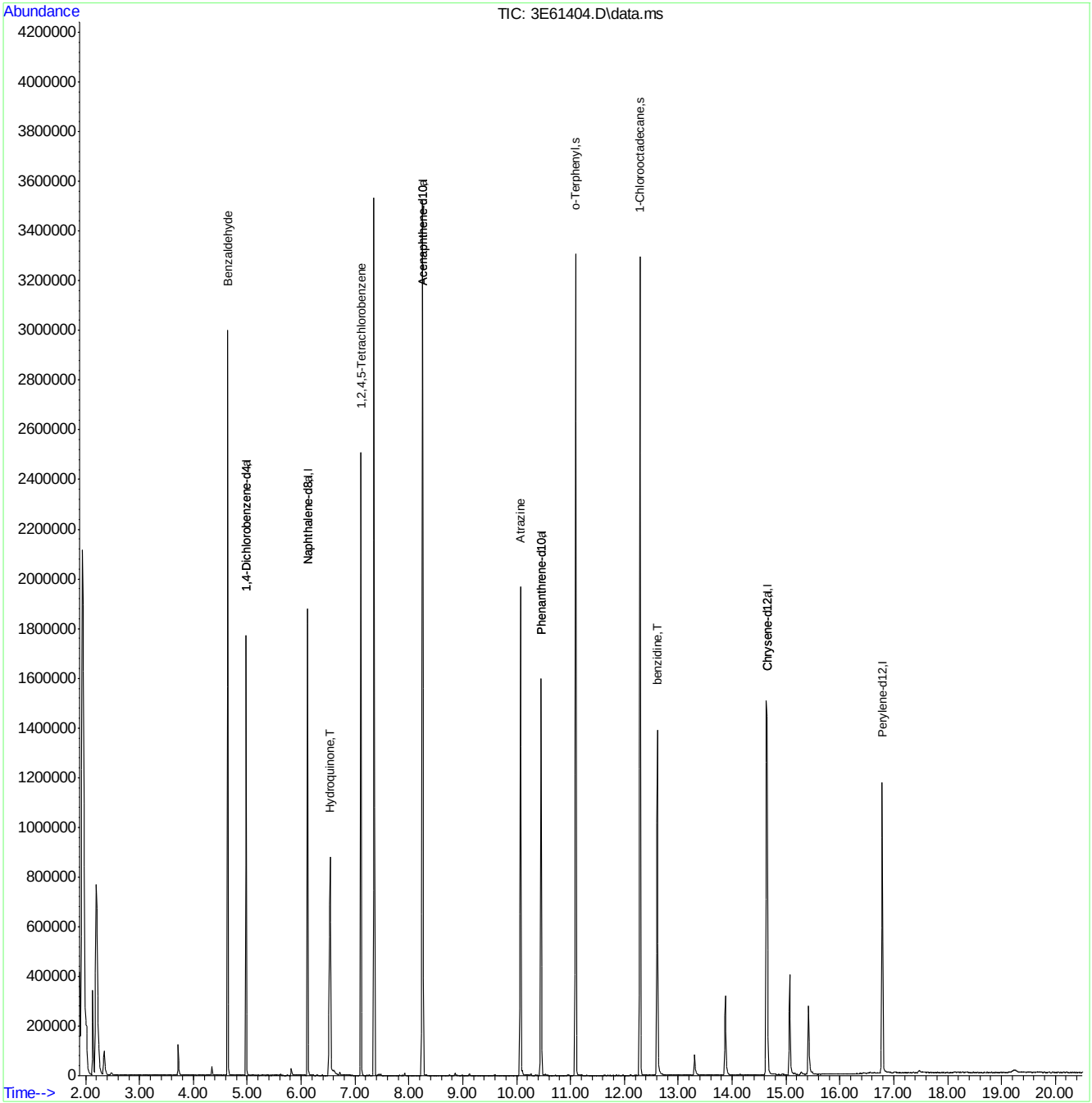
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	225341	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	872894	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	455341	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	663719	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	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



M3E2646.M Thu Jun 05 16:05:49 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

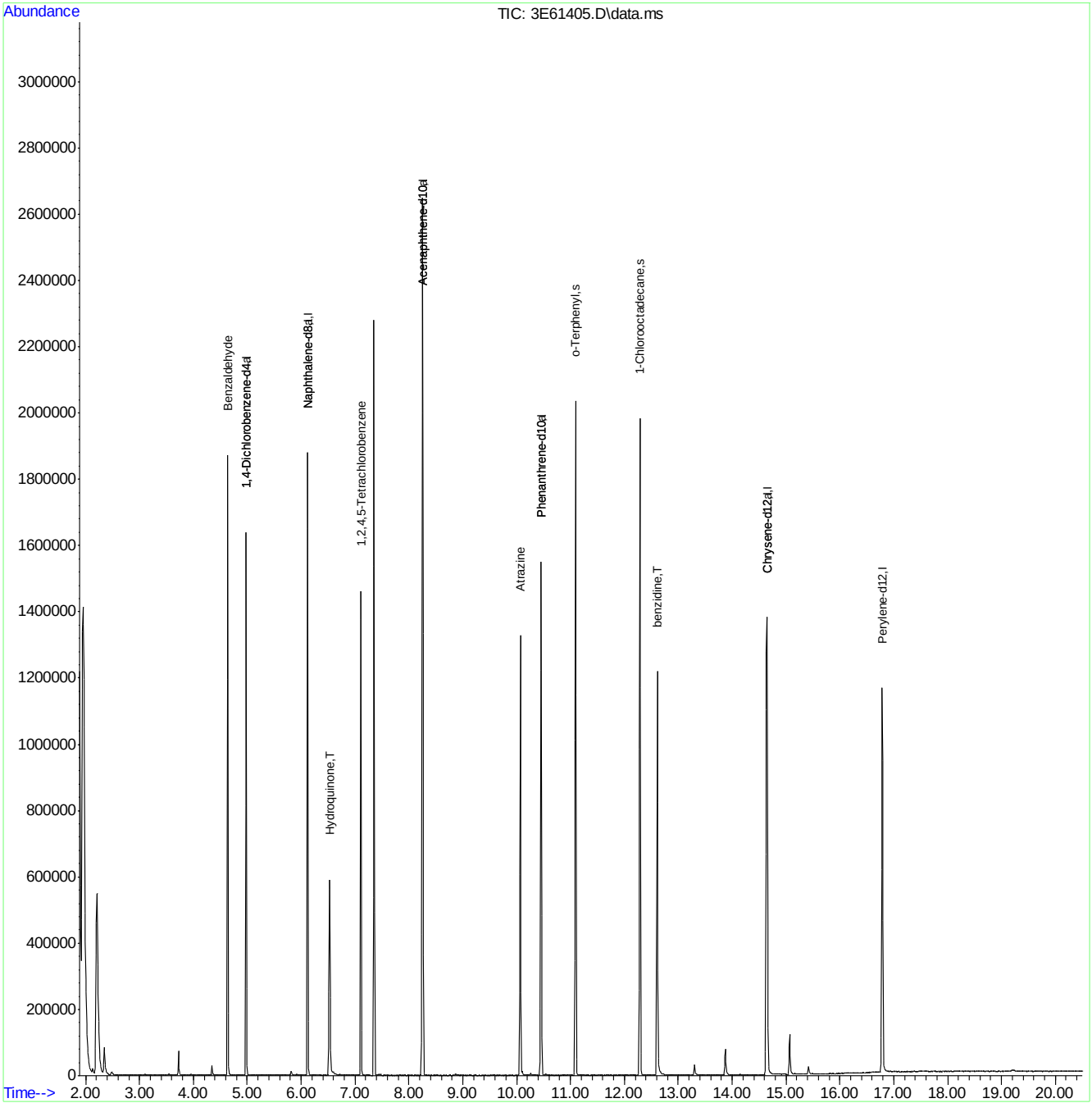
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	216759	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	835764	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	442956	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	656231	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	565845	40.00	ppb	0.00
92) Perylene-d12	16.788	264	503729	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	216759	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	442956	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	656231	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	565845	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	835764	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.097	230	451822	48.37	ppb	0.00
Spiked Amount 50.000			Recovery =	96.74%		
109) 1-Chlorooctadecane	12.290	57	304565	51.64	ppb	0.00
Spiked Amount 50.000			Recovery =	103.28%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	306401	59.29	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	266663	47.10	ppb	98
107) Atrazine	10.070	215	92698	47.18	ppb	97
111) benzidine	12.611	184	571356	76.86	ppb	99
113) Hydroquinone	6.529	110	354481	50.83	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	229663	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	889209	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	479103	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	718287	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	622505	40.00	ppb	0.00
92) Perylene-d12	16.788	264	544543	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	229663	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	479103	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	718287	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	622505	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	889209	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	247892	24.25	ppb	-0.01
Spiked Amount 50.000			Recovery =	48.50%		
109) 1-Chlorooctadecane	12.285	57	164633	25.50	ppb	-0.01
Spiked Amount 50.000			Recovery =	51.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	167915	30.67	ppb	97
105) 1,2,4,5-Tetrachloroben...	7.107	216	147156	24.03	ppb	100
107) Atrazine	10.065	215	51118	23.77	ppb	97
111) benzidine	12.606	184	343541	42.01	ppb	99
113) Hydroquinone	6.519	110	183911	24.79	ppb	97

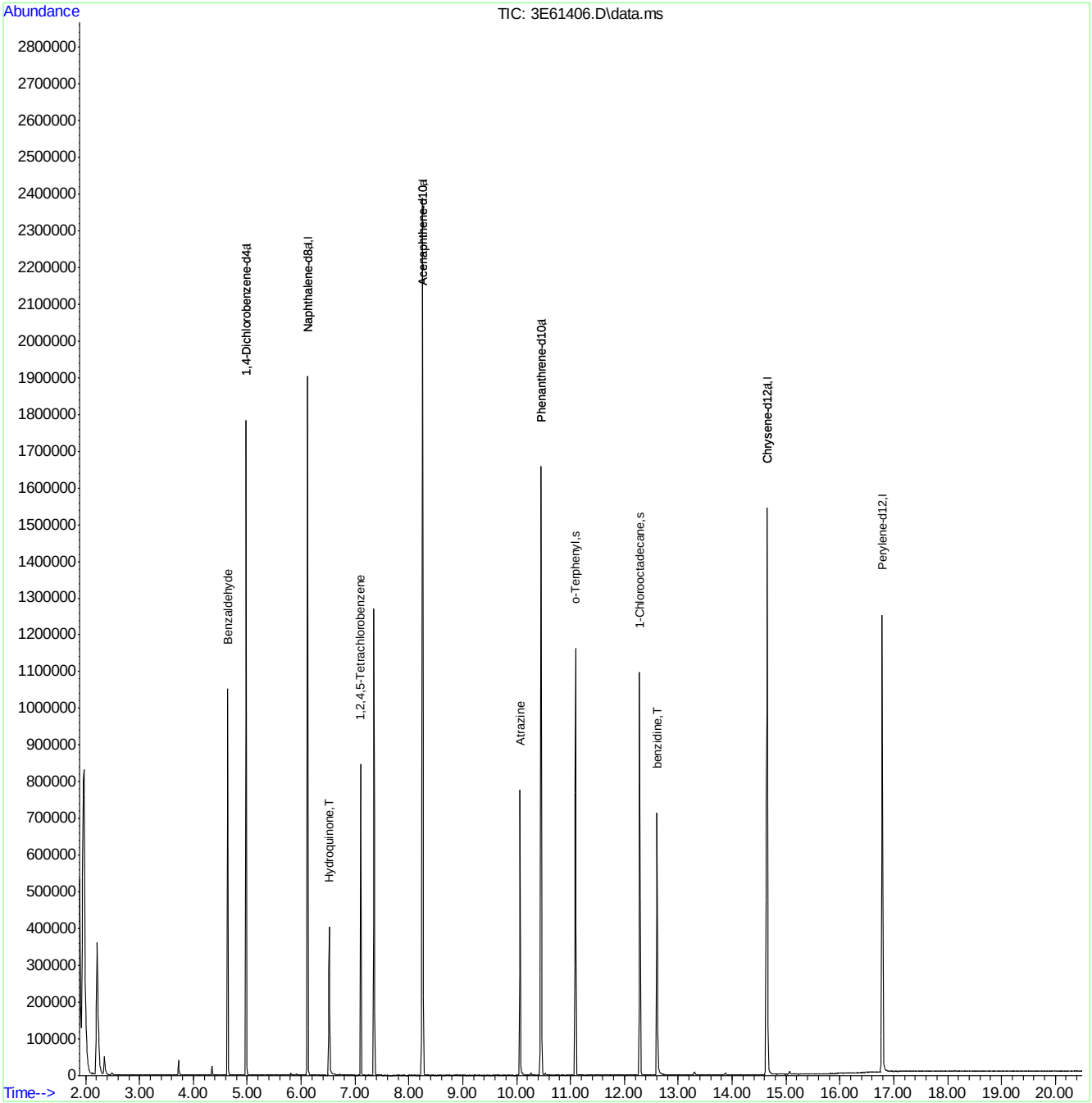
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



M3E2646.M Thu Jun 05 16:07:30 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

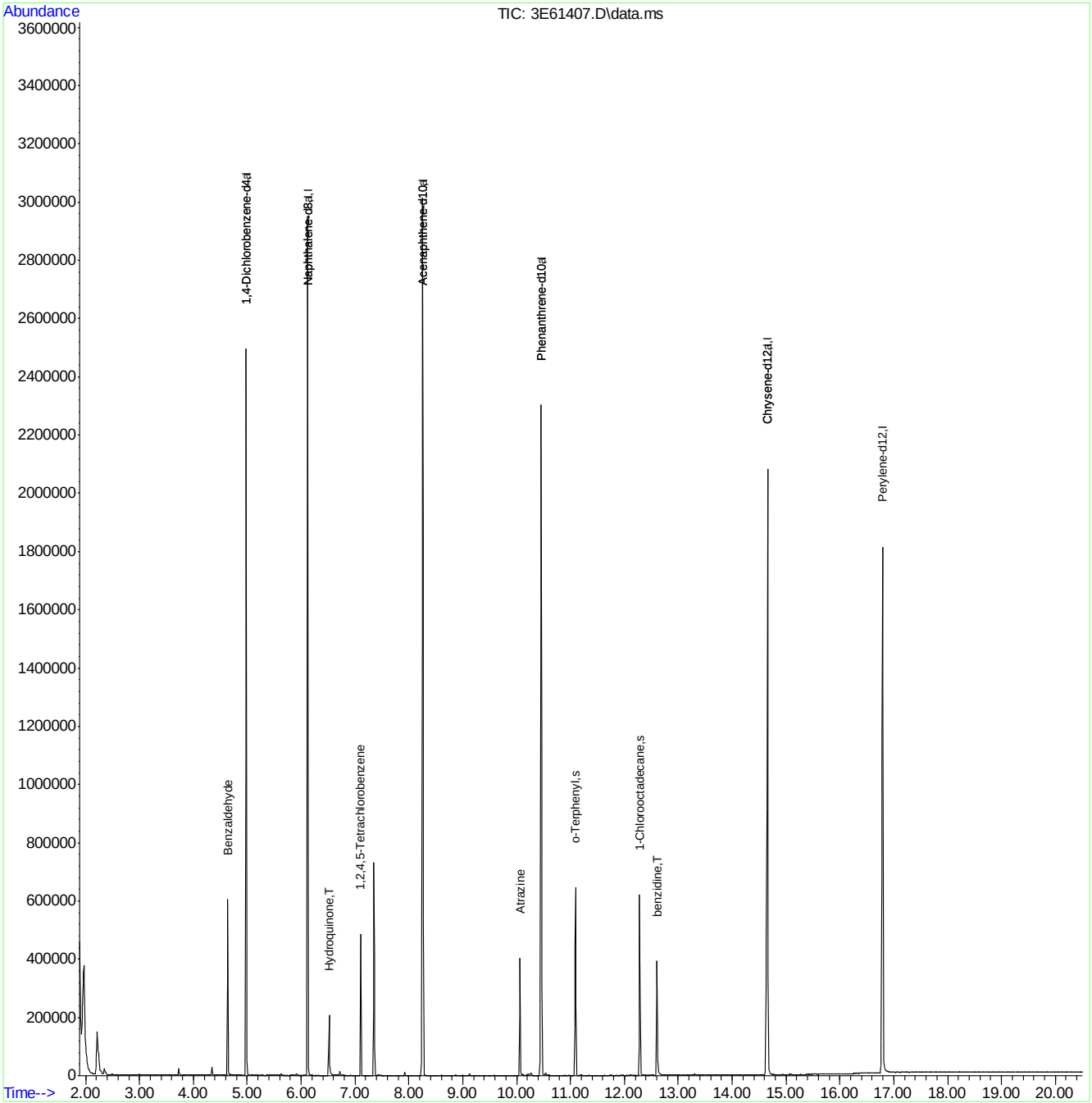
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	338669	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1287062	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	709486	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1055698	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	928590	40.00	ppb	0.00
92) Perylene-d12	16.793	264	820489	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	338669	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	709486	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1055698	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	928590	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1287062	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	141538	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
109) 1-Chlorooctadecane	12.284	57	89362	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	95948	11.88	ppb	95
105) 1,2,4,5-Tetrachloroben...	7.107	216	84702	9.34	ppb	99
107) Atrazine	10.065	215	27922	8.83	ppb	95
111) benzidine	12.605	184	181147	14.85	ppb	98
113) Hydroquinone	6.519	110	89282	8.31	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

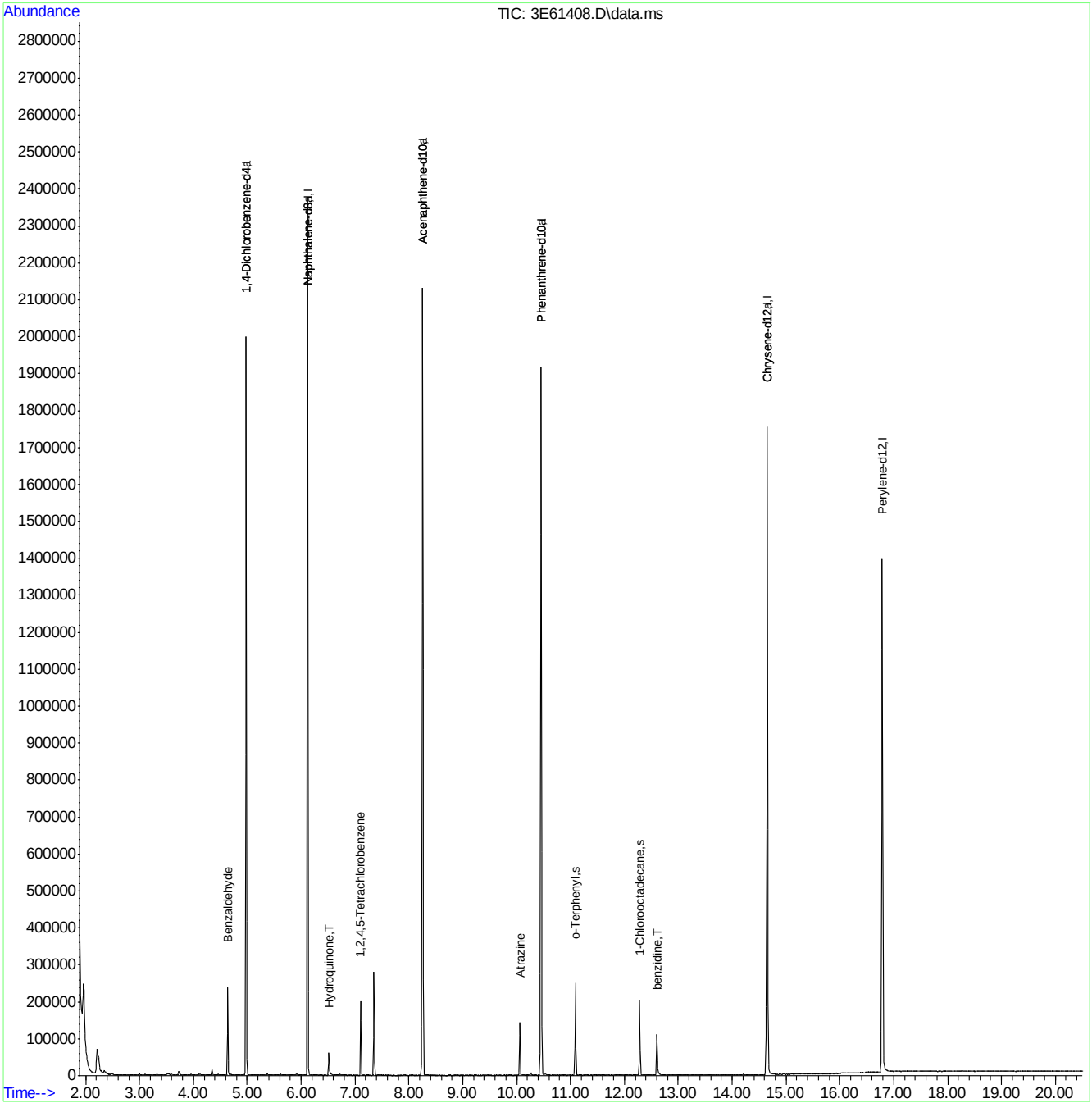
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	275702	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1033457	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	555305	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	825206	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	717978	40.00	ppb	0.00
92) Perylene-d12	16.788	264	626137	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	275702	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	555305	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	825206	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	717978	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1033457	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	53526	4.56	ppb	-0.01
Spiked Amount 50.000			Recovery =	9.12%		
109) 1-Chlorooctadecane	12.284	57	28599	3.86	ppb	-0.01
Spiked Amount 50.000			Recovery =	7.72%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	38177	5.81	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.107	216	34103	4.80	ppb	98
107) Atrazine	10.059	215	9275	3.75	ppb	93
111) benzidine	12.605	184	55142	5.85	ppb	98
113) Hydroquinone	6.513	110	26151	3.03	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

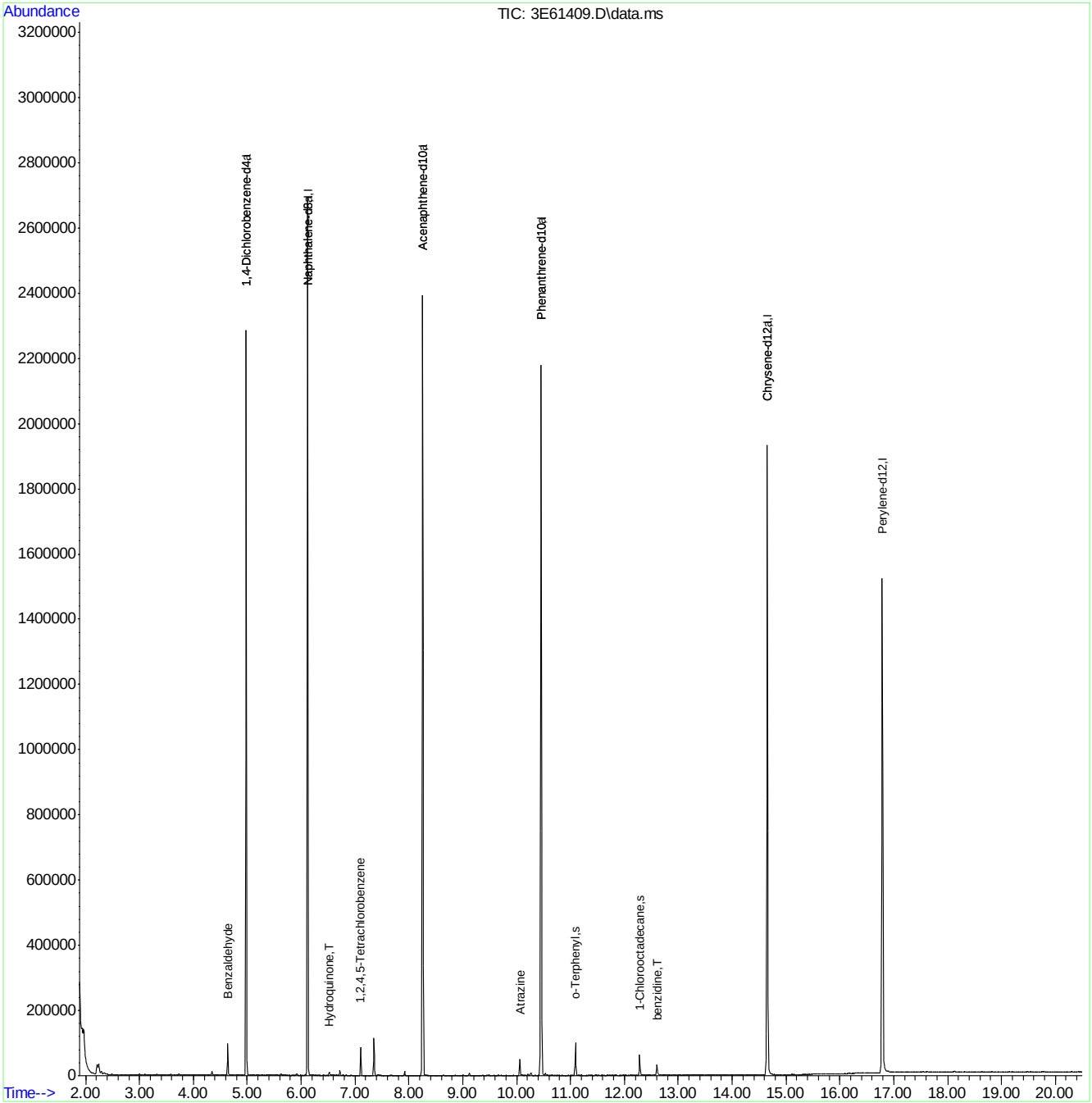
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	313078	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1175873	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	633460	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	945356	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	821855	40.00	ppb	0.00
92) Perylene-d12	16.788	264	717346	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	313078	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	633460	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	945356	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	821855	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1175873	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	21622	1.61	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.22%		
109) 1-Chlorooctadecane	12.284	57	9546	1.12	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.24%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	15835	2.12	ppb	93
105) 1,2,4,5-Tetrachloroben...	7.107	216	14845	1.83	ppb	98
107) Atrazine	10.059	215	3278	1.16	ppb	90
111) benzidine	12.605	184	17355	1.61	ppb	96
113) Hydroquinone	6.519	110	6726	0.69	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61410.D
Acq On : 5 Jun 2014 1:04 am
Operator : olgaa
Sample : ic2647-1
Misc : op74977,e3e2647,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 05 16:12:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	323735	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1219950	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	663987	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	980603	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	858495	40.00	ppb	0.00
92) Perylene-d12	16.793	264	758954	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	323735	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	663987	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	980603	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	858495	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1219950	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	11070	0.79	ppb	-0.01
Spiked Amount 50.000			Recovery =	1.58%		
109) 1-Chlorooctadecane	12.284	57	4156	0.47	ppb	-0.01
Spiked Amount 50.000			Recovery =	0.94%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	7952	1.03	ppb	87
105) 1,2,4,5-Tetrachloroben...	7.107	216	7721	0.91	ppb	98
107) Atrazine	10.059	215	1420	0.48	ppb	95
111) benzidine	12.605	184	6334	0.56	ppb	96
113) Hydroquinone	6.519	110	2496	0.25	ppb	92

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

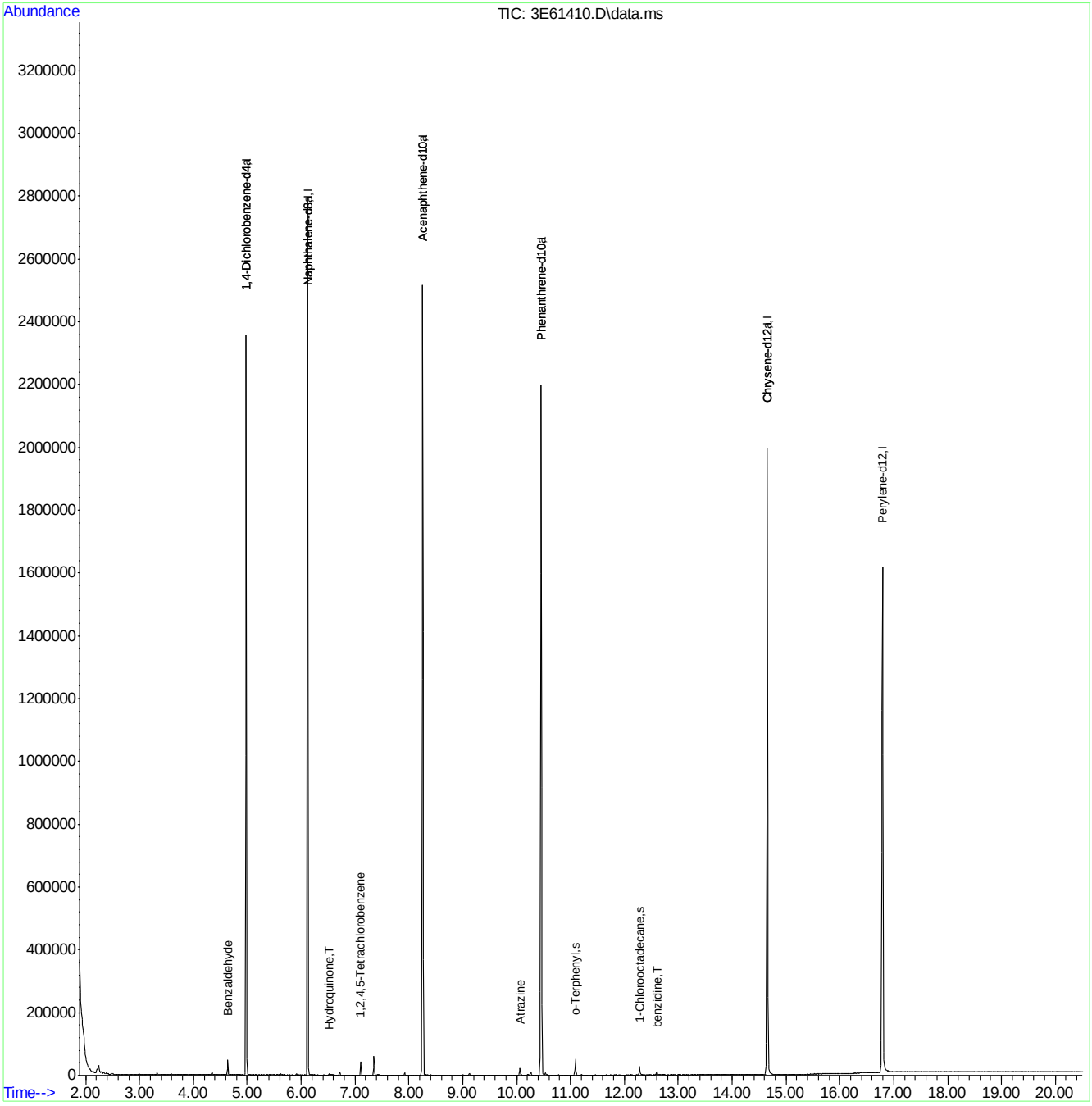
9.6.72

9

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

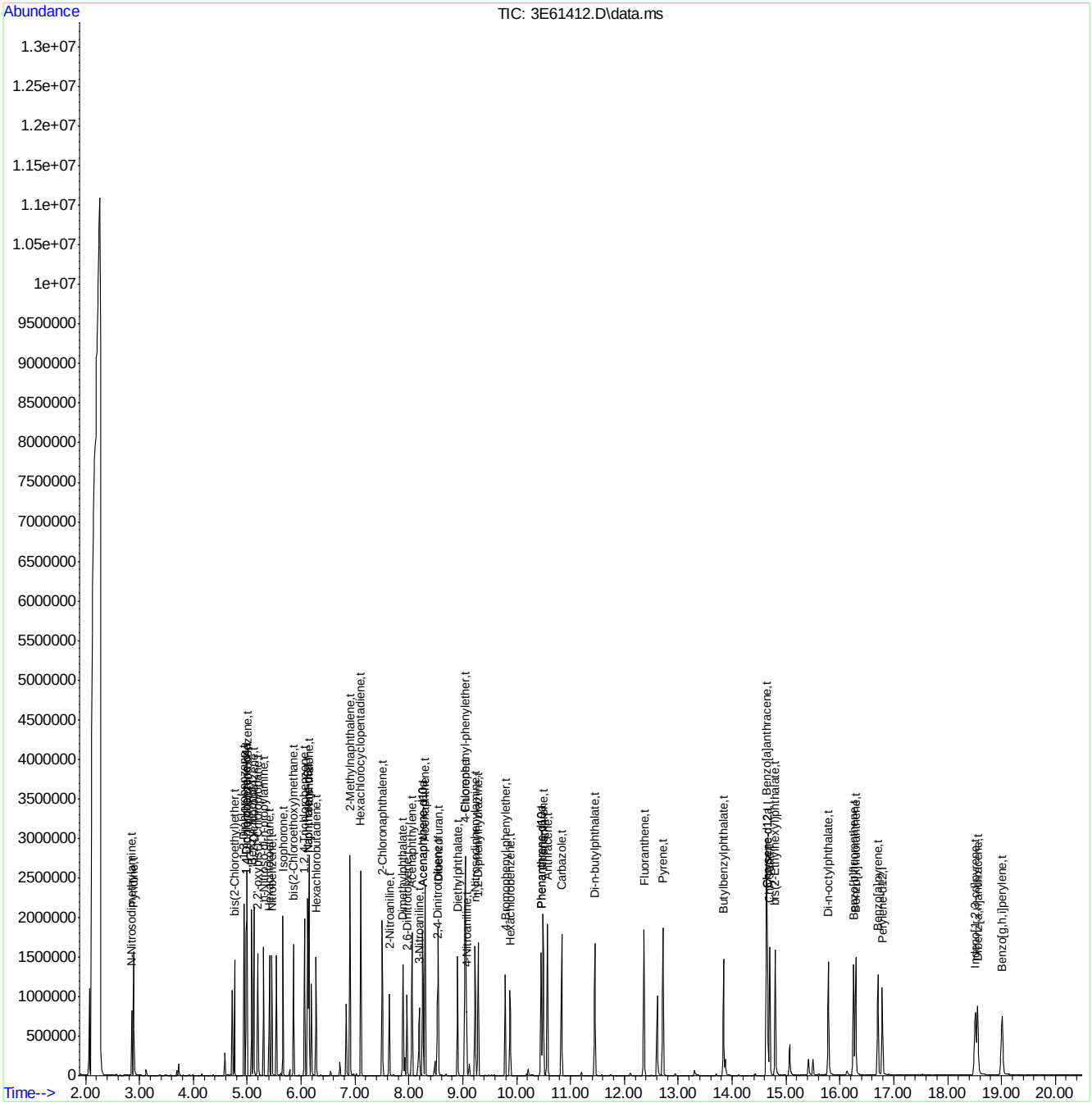
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 2-Nitroaniline	7.637	65	185974	42.26	ppb	91
55) Dimethylphthalate	7.888	163	683091	46.21	ppb	100
56) Acenaphthylene	8.059	152	909638	40.12	ppb	99
57) 2,6-Dinitrotoluene	7.963	165	139570	40.90	ppb	97
58) 3-Nitroaniline	8.193	138	159831	39.51	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



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61414.D
Acq On : 5 Jun 2014 2:54 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 06 09:27:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	307652	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1127870	40.00	ppb	0.00
47) Acenaphthene-d10	8.252	164	587102	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	831479	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	654349	40.00	ppb	0.00
92) Perylene-d12	16.788	264	554981	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	307652	40.00	ppb	0.00
104) Acenaphthene-d10a	8.252	164	587102	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	831479	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	654349	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1127870	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.983	112	455216	43.79	ppb	0.00
Spiked Amount 50.000			Recovery = 87.58%			
8) Phenol-d5	4.684	99	529787	41.13	ppb	0.00
Spiked Amount 50.000			Recovery = 82.26%			
25) Nitrobenzene-d5	5.438	82	424649	43.45	ppb	0.00
Spiked Amount 50.000			Recovery = 86.90%			
51) 2-Fluorobiphenyl	7.353	172	855837	47.51	ppb	0.00
Spiked Amount 50.000			Recovery = 95.02%			
73) 2,4,6-Tribromophenol	9.396	330	69215	47.56	ppb	0.00
Spiked Amount 50.000			Recovery = 95.12%			
85) Terphenyl-d14	13.017	244	696022	50.30	ppb	0.00
Spiked Amount 50.000			Recovery = 100.60%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

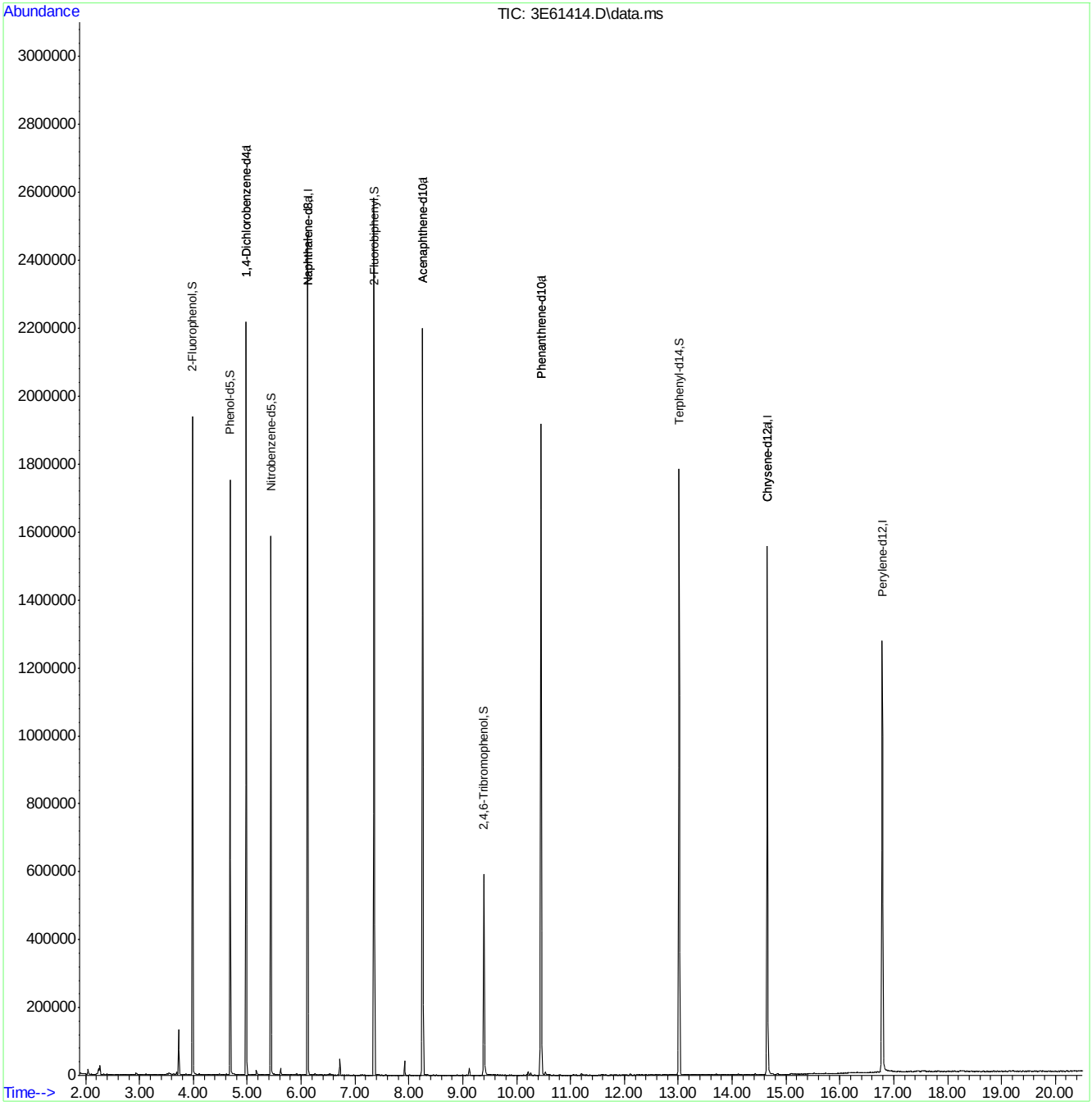
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61414.D
Acq On : 5 Jun 2014 2:54 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 06 09:27:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61415.D
Acq On : 5 Jun 2014 3:22 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 06 09:29:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

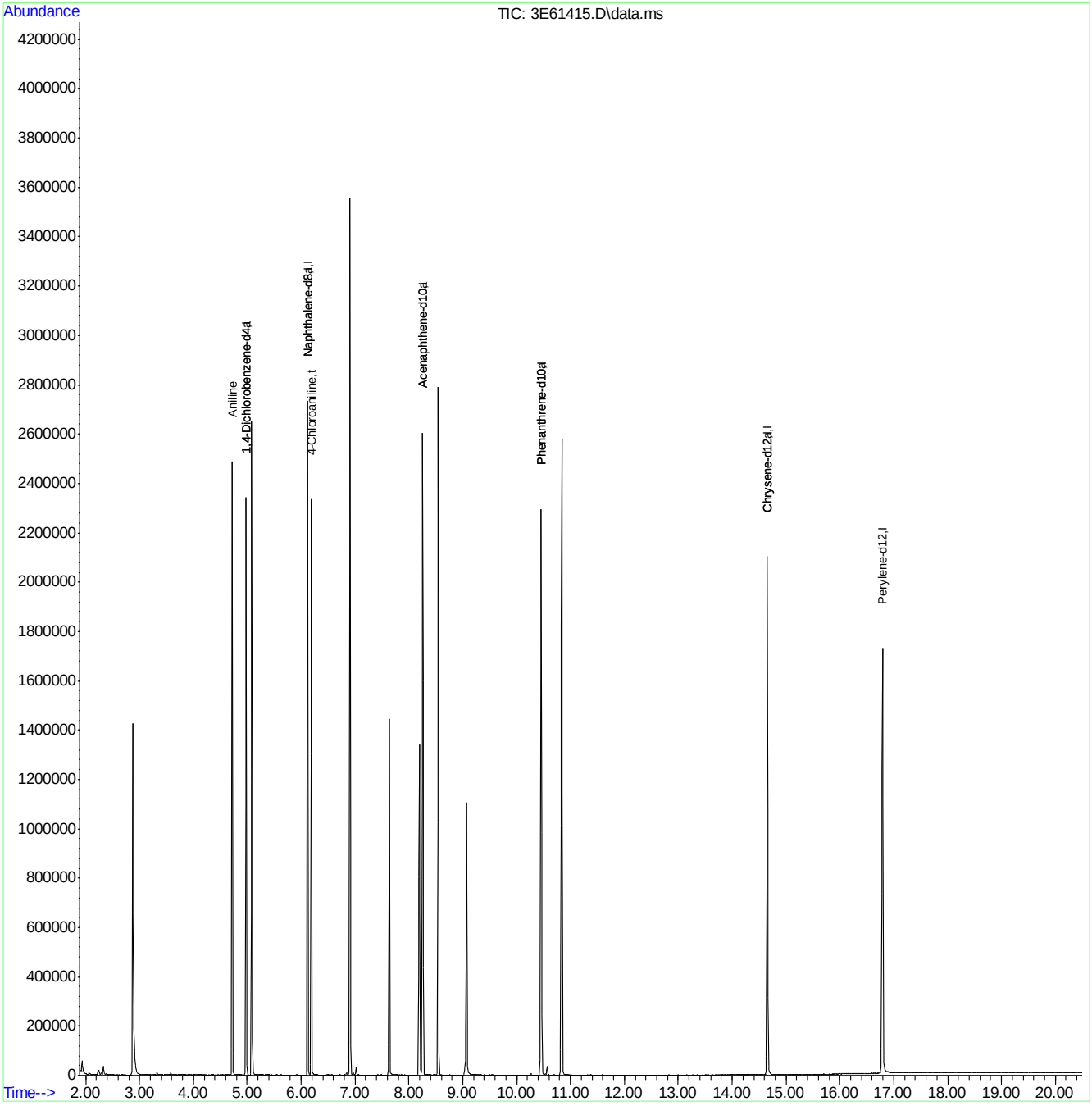
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	321350	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1236492	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	692141	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1049159	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	936200	40.00	ppb	0.00
92) Perylene-d12	16.794	264	816615	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	321350	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	692141	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1049159	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	936200	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1236492	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.722	93	897619	54.38	ppb	97
39) 4-Chloroaniline	6.187	127	712992	51.06	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61415.D
Acq On : 5 Jun 2014 3:22 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 06 09:29:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



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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%			

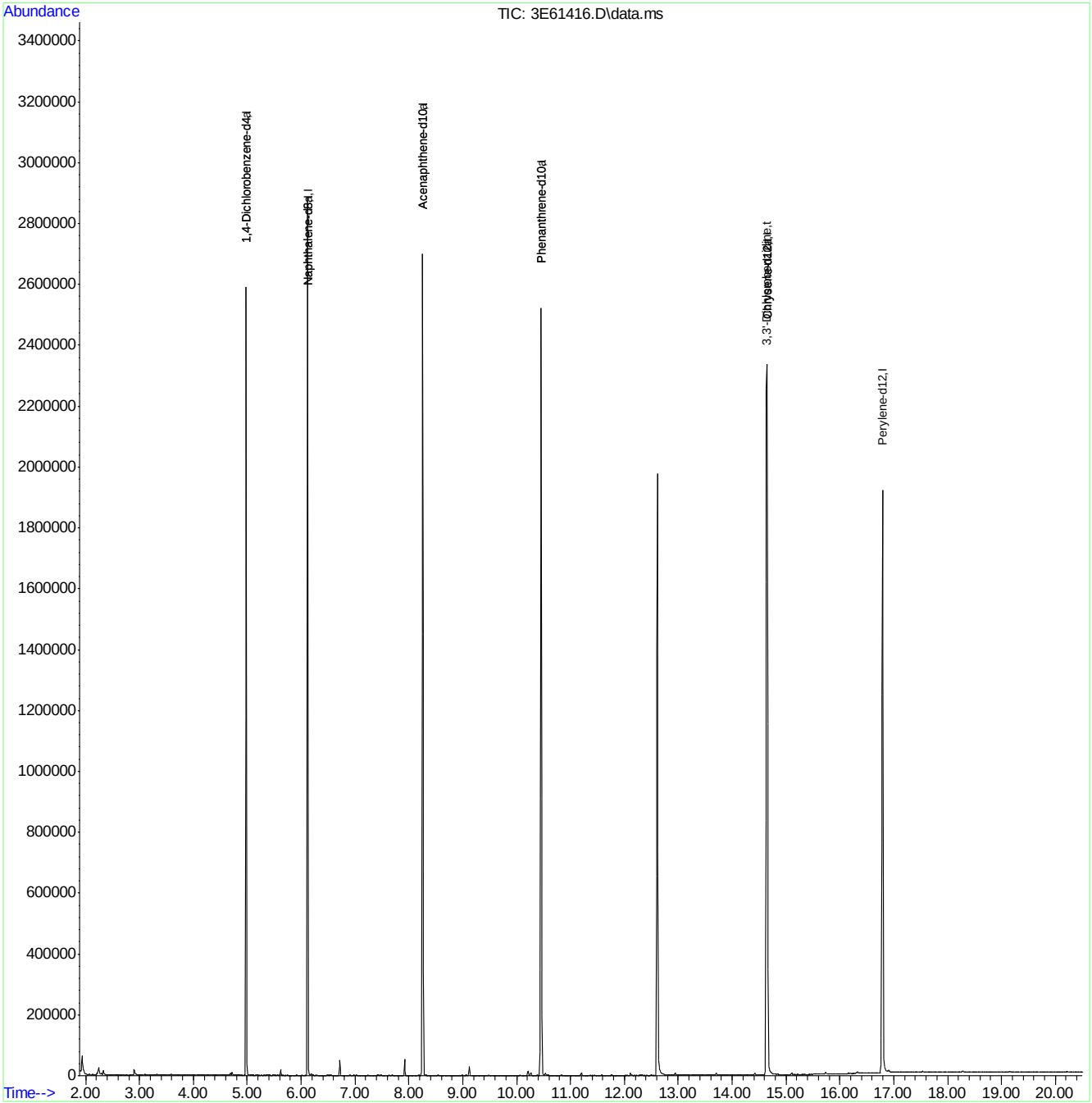
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.638	252	484606	44.51	ppb	99

(#) = 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%		

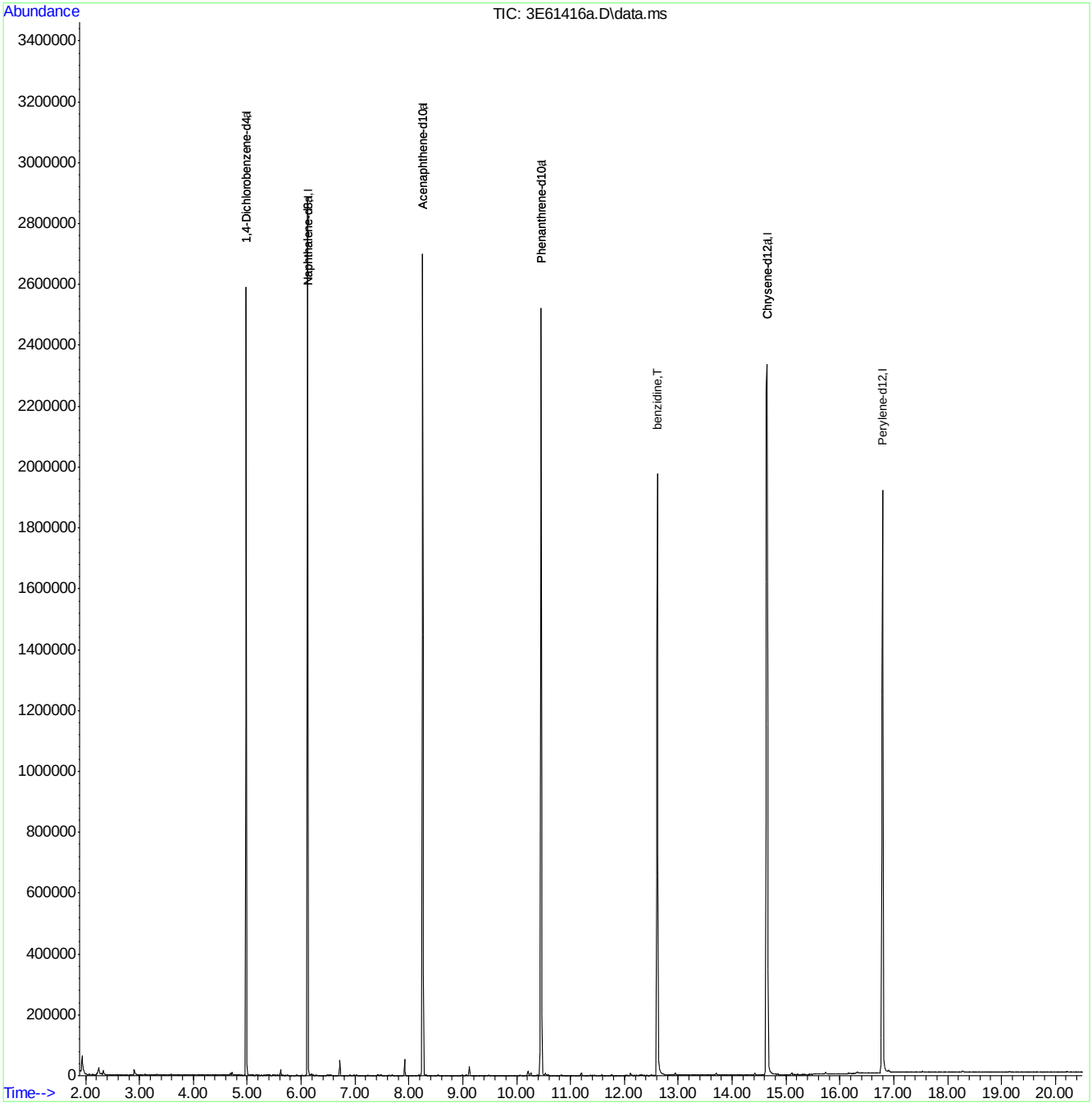
Target Compounds						Qvalue
111) benzidine	12.611	184	958760	51.98	ppb	100

(#) = 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



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

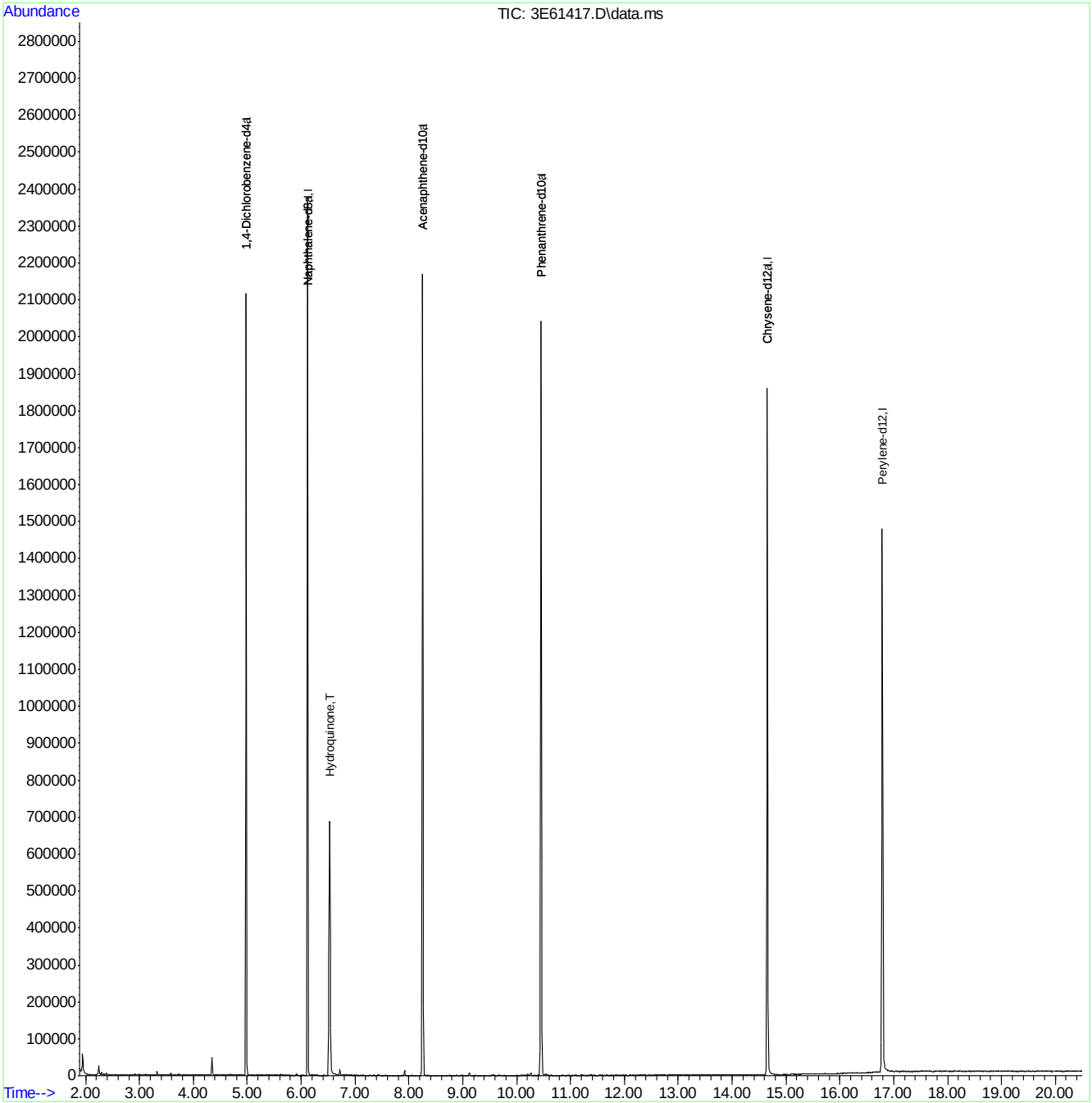
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

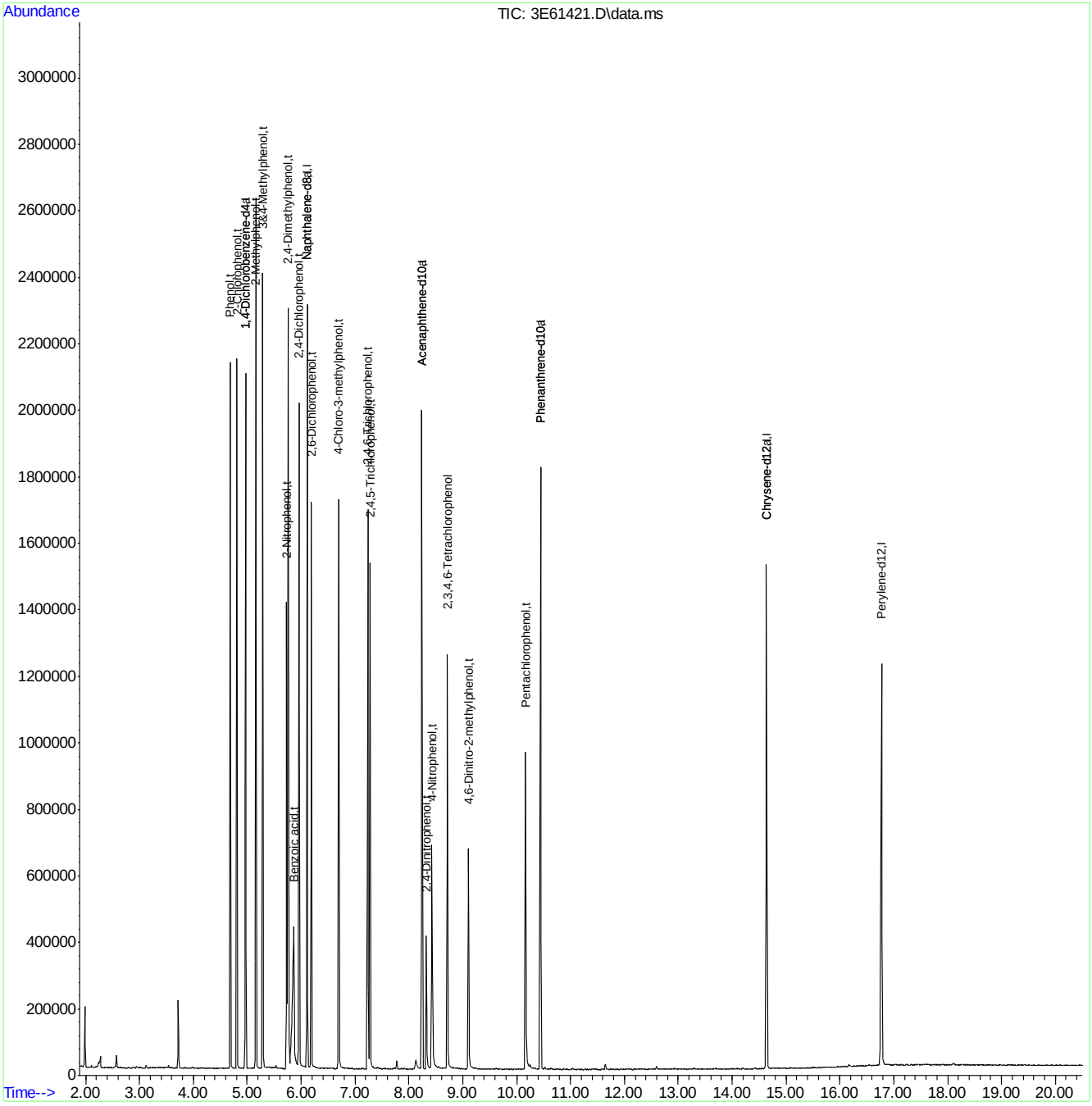
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6

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 : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	277333	40.00	ppb	0.00
24) Naphthalene-d8	6.118	136	1198958	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	509389	40.00	ppb	-0.01
69) Phenanthrene-d10	10.445	188	724767	40.00	ppb	-0.01
83) Chrysene-d12	14.638	240	601956	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	508328	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.978	152	277333	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	509389	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.445	188	724767	40.00	ppb	-0.01
110) Chrysene-d12a	14.638	240	601956	40.00	ppb	-0.02
112) Naphthalene-d8a	6.118	136	1198958	40.00	ppb	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

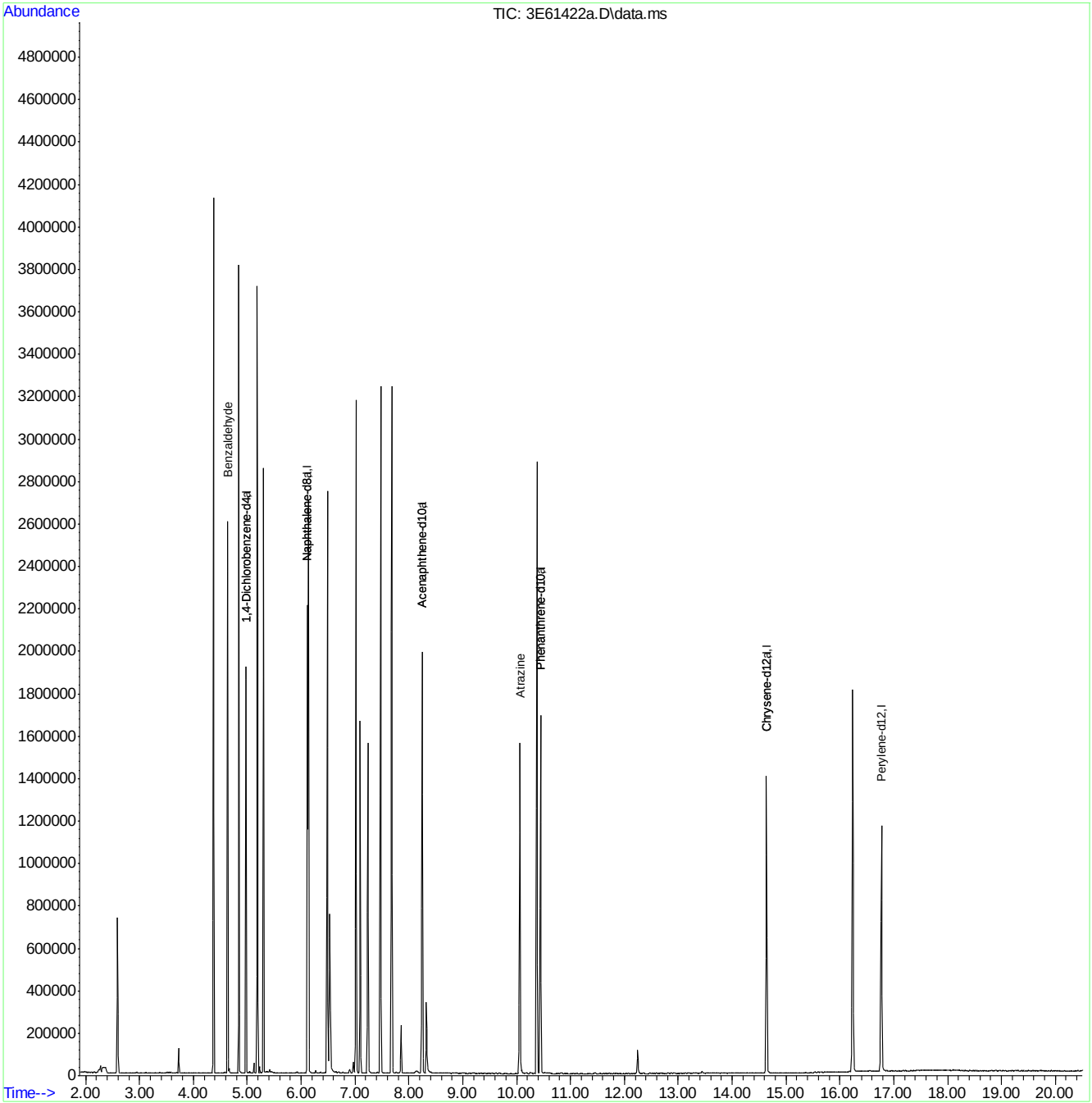
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	457333	61.72	ppb	96
107) Atrazine	10.065	215	124551	65.86	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



M3E2646.M Fri Jun 06 10:24:22 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 13:30:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	277333	40.00	ppb	0.00
24) Naphthalene-d8	6.118	136	1198958	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	509389	40.00	ppb	-0.01
69) Phenanthrene-d10	10.445	188	724767	40.00	ppb	-0.01
83) Chrysene-d12	14.638	240	601956	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	508328	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.978	152	277333	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	509389	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.445	188	724767	40.00	ppb	-0.01
110) Chrysene-d12a	14.638	240	601956	40.00	ppb	-0.02
112) Naphthalene-d8a	6.118	136	1198958	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.587	88	268976	53.80	ppb	96
6) Indene	5.187	116	981103	53.22	ppb	99
7) Cumene	4.374	105	1278485	49.23	ppb	98
13) Decane	4.845	43	539263	47.92	ppb	95
18) Acetophenone	5.299	105	711266	48.80	ppb	97
27) Quinoline	6.487	129	1017897	42.66	ppb	98
40) 2,3-Dichloroaniline	7.241	161	387168	34.37	ppb	96
41) Caprolactam	6.535	55	205088	37.82	ppb	97
45) 1-Methylnaphthalene	7.016	141	842248	40.87	ppb	97
46) Dimethylnaphthalene	7.679	156	854335	41.56	ppb	98
53) Biphenyl	7.476	154	1131295	51.57	ppb	99
82) Octadecane	10.375	57	610411	52.86	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.243	256	495238	52.35	ppb	98

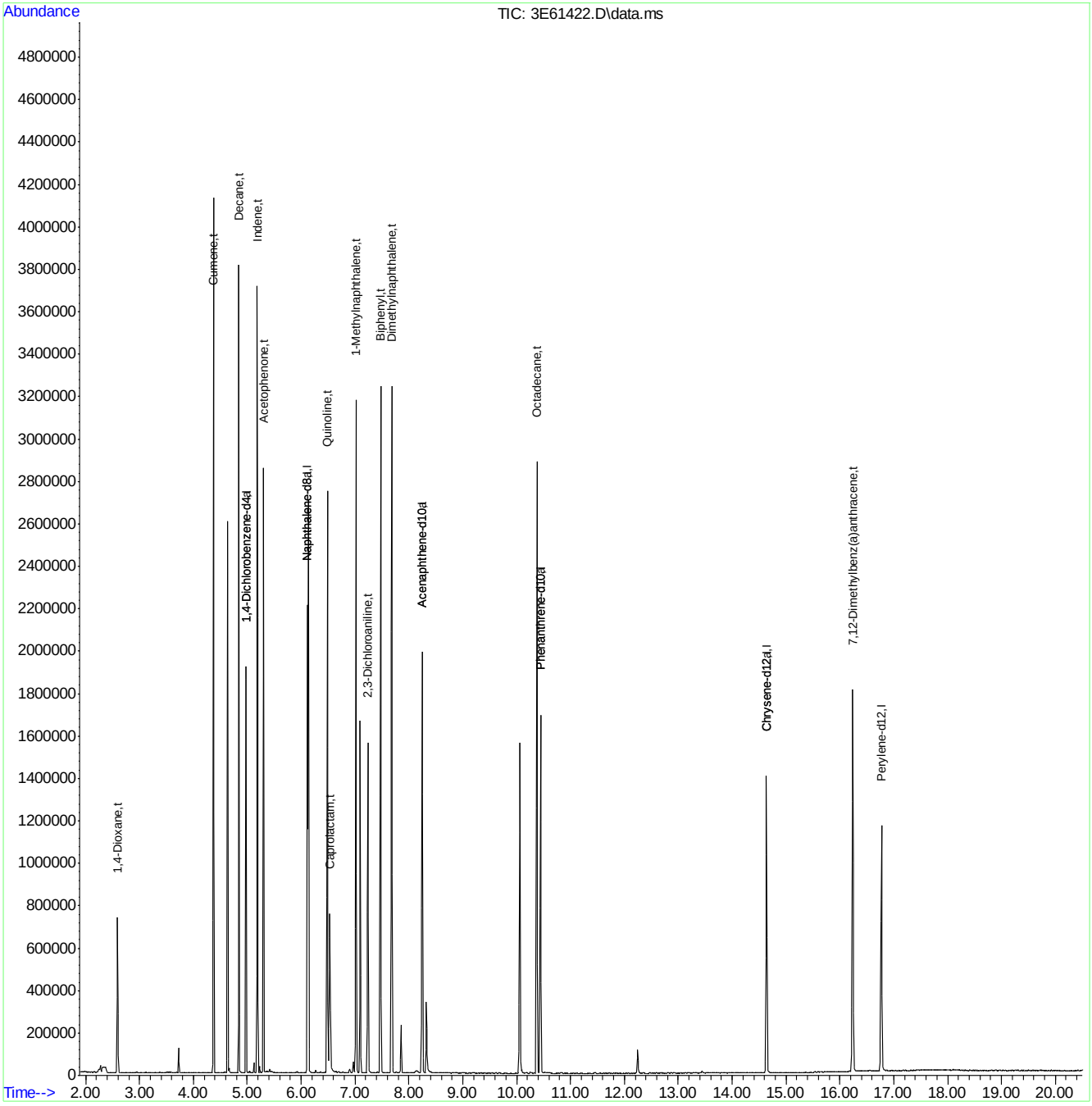
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB68318

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



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61818.D
Acq On : 8 Jun 2014 1:56 pm
Operator : ashleyd
Sample : cc2646-25
Misc : op74977,e3e2652
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:54:05 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	4.967	152	198566	40.00	ppb		-0.01
24) Naphthalene-d8	6.107	136	722646	40.00	ppb		-0.02
47) Acenaphthene-d10	8.241	164	390323	40.00	ppb		-0.02
69) Phenanthrene-d10	10.439	188	589637	40.00	ppb		-0.02
83) Chrysene-d12	14.643	240	507121	40.00	ppb		-0.02
92) Perylene-d12	16.777	264	409818	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	4.967	152	198566	40.00	ppb		-0.01
104) Acenaphthene-d10a	8.241	164	390323	40.00	ppb		-0.02
106) Phenanthrene-d10a	10.439	188	589637	40.00	ppb		-0.02
108) Chrysene-d12a	14.643	240	507121	40.00	ppb		-0.01
110) Naphthalene-d8a	6.107	136	722646	40.00	ppb		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.973	112	169311	25.23	ppb		0.00
Spiked Amount 50.000			Recovery = 50.46%				
8) Phenol-d5	4.679	99	207980	25.02	ppb		0.00
Spiked Amount 50.000			Recovery = 50.04%				
25) Nitrobenzene-d5	5.427	82	164248	26.23	ppb		-0.01
Spiked Amount 50.000			Recovery = 52.46%				
51) 2-Fluorobiphenyl	7.337	172	282487	23.59	ppb		-0.02
Spiked Amount 50.000			Recovery = 47.18%				
73) 2,4,6-Tribromophenol	9.385	330	29512	28.59	ppb		-0.01
Spiked Amount 50.000			Recovery = 57.18%				
85) Terphenyl-d14	12.996	244	267214	24.92	ppb		-0.02
Spiked Amount 50.000			Recovery = 49.84%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.555	88	91082	25.44	ppb		97
3) Pyridine	2.871	79	226666	25.77	ppb		96
4) N-Nitrosodimethylamine	2.828	74	122685	25.09	ppb		97
6) Indene	5.181	116	347962	26.36	ppb		98
7) Cumene	4.363	105	493426	26.53	ppb		96
9) Phenol	4.689	94	242302	25.29	ppb		97
10) Aniline	4.705	93	226103	22.17	ppb		99
11) bis(2-Chloroethyl)ether	4.754	93	164736	24.44	ppb		99
12) 2-Chlorophenol	4.807	128	182599	24.55	ppb		98
13) Decane	4.834	43	228060	28.31	ppb		94
14) 1,3-Dichlorobenzene	4.925	146	197015	24.79	ppb		100
15) 1,4-Dichlorobenzene	4.984	146	198296	25.10	ppb		97
16) Benzyl alcohol	5.074	108	119517	25.03	ppb		97
17) 1,2-Dichlorobenzene	5.107	146	182664	24.95	ppb		98
18) Acetophenone	5.294	105	260507	24.96	ppb		95
19) 2-Methylphenol	5.165	108	159425	25.13	ppb		97
20) 2,2'-oxybis(1-Chloropr...	5.181	121	61346	24.50	ppb	#	84
21) 3&4-Methylphenol	5.288	108	170713	25.38	ppb		99
22) n-Nitroso-di-n-propyla...	5.288	70	118886	25.67	ppb		98
23) Hexachloroethane	5.395	201	57208	26.46	ppb		91
26) Nitrobenzene	5.444	77	177080	25.21	ppb		99
27) Quinoline	6.481	129	360621	25.07	ppb		98
28) Isophorone	5.652	82	299950	24.93	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61818.D
Acq On : 8 Jun 2014 1:56 pm
Operator : ashleyd
Sample : cc2646-25
Misc : op74977,e3e2652
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:54:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.732	139	93718	27.70	ppb		98
30) 2,4-Dimethylphenol	5.759	107	139079	26.16	ppb		99
31) Benzoic acid	5.839	105	100728	22.96	ppb		96
32) bis(2-Chloroethoxy)met...	5.845	93	173622	24.07	ppb		99
33) 2,4-Dichlorophenol	5.962	162	129537	26.03	ppb		98
34) 2,6-Dichlorophenol	6.187	162	120583	24.97	ppb		99
35) 1,3,5-Trichlorobenzene	5.748	180	166928	25.65	ppb		99
36) 1,2,4-Trichlorobenzene	6.048	180	134705	24.68	ppb		99
37) 1,2,3-Trichlorobenzene	6.283	180	146525	25.60	ppb		97
38) Naphthalene	6.128	128	475358	24.33	ppb		99
39) 4-Chloroaniline	6.176	127	191325	23.44	ppb		99
40) 2,3-Dichloroaniline	7.230	161	165976	24.45	ppb		99
41) Caprolactam	6.545	55	87004	26.62	ppb		98
42) Hexachlorobutadiene	6.262	225	63750	25.62	ppb		98
43) 4-Chloro-3-methylphenol	6.706	107	132990	25.20	ppb		95
44) 2-Methylnaphthalene	6.888	141	274964	24.19	ppb		99
45) 1-Methylnaphthalene	7.005	141	307830	24.78	ppb		99
46) Dimethylnaphthalene	7.674	156	307458	24.82	ppb		97
48) Hexachlorocyclopentadiene	7.086	237	145429	54.54	ppb		98
49) 2,4,6-Trichlorophenol	7.235	196	80394	26.16	ppb		98
50) 2,4,5-Trichlorophenol	7.283	196	83646	25.99	ppb		100
52) 2-Chloronaphthalene	7.492	162	260264	23.57	ppb		97
53) Biphenyl	7.465	154	407602	24.25	ppb		100
54) 2-Nitroaniline	7.620	65	89661	25.73	ppb		98
55) Dimethylphthalate	7.872	163	278393	23.78	ppb		99
56) Acenaphthylene	8.043	152	432918	24.11	ppb		99
57) 2,6-Dinitrotoluene	7.947	165	65535	24.45	ppb		99
58) 3-Nitroaniline	8.177	138	82863	25.87	ppb		99
59) Acenaphthene	8.284	153	265106	23.07	ppb		99
60) 2,4-Dinitrophenol	8.326	184	53646	47.43	ppb	#	96
61) 4-Nitrophenol	8.433	109	38339	23.35	ppb		98
62) Dibenzofuran	8.530	168	351262	22.92	ppb		98
63) 2,4-Dinitrotoluene	8.514	165	88939	24.24	ppb		99
64) 2,3,4,6-Tetrachlorophenol	8.712	232	61489	26.99	ppb		98
65) Diethylphthalate	8.883	149	283073	24.46	ppb		99
66) Fluorene	9.027	166	296973	23.46	ppb		99
67) 4-Chlorophenyl-phenyle...	9.038	204	123704	23.72	ppb		90
68) 4-Nitroaniline	9.054	138	80839	24.64	ppb		99
70) 4,6-Dinitro-2-methylph...	9.113	198	39128	24.19	ppb		90
71) n-Nitrosodiphenylamine	9.214	169	197678	23.65	ppb		98
72) 1,2-Diphenylhydrazine	9.268	77	318066	23.96	ppb		95
74) 4-Bromophenyl-phenylether	9.771	248	66489	24.24	ppb		95
75) Hexachlorobenzene	9.861	284	70036	24.30	ppb		90
76) Pentachlorophenol	10.166	266	88916	50.67	ppb		98
77) Phenanthrene	10.477	178	380444	22.87	ppb		99
78) Anthracene	10.557	178	384601	23.66	ppb		99
79) Carbazole	10.819	167	439444	24.36	ppb		99
80) Di-n-butylphthalate	11.434	149	474418	25.55	ppb		99
81) Fluoranthene	12.349	202	407306	24.11	ppb		99
82) Octadecane	10.364	57	255191	27.16	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61818.D
Acq On : 8 Jun 2014 1:56 pm
Operator : ashleyd
Sample : cc2646-25
Misc : op74977,e3e2652
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:54:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
84) Pyrene	12.702	202	423653	24.45 ppb	99
86) Butylbenzylphthalate	13.819	149	209331	23.55 ppb	99
87) Butyl stearate	13.980	56	155958	27.71 ppb	97
88) Benzo[a]anthracene	14.627	228	366115	23.35 ppb	99
89) 3,3'-Dichlorobenzidine	14.622	252	138148	25.10 ppb	99
90) Chrysene	14.686	228	308966	23.97 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.777	149	276251	26.54 ppb	100
93) Di-n-octylphthalate	15.766	149	487068	25.80 ppb	99
94) Benzo[b]fluoranthene	16.237	252	345462	24.96 ppb	99
95) Benzo[k]fluoranthene	16.280	252	316016	25.38 ppb	100
96) Benzo[a]pyrene	16.692	252	288169	25.33 ppb	99
97) Indeno[1,2,3-cd]pyrene	18.489	276	289278	24.87 ppb	96
98) Dibenz(a,h)acridine	18.093	279	287809	25.66 ppb	98
99) Dibenz[a,h]anthracene	18.532	278	269858	24.11 ppb	98
100) 7,12-Dimethylbenz(a)an...	16.242	256	160933	24.96 ppb	98
101) Benzo[g,h,i]perylene	18.986	276	270309	24.00 ppb	97

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

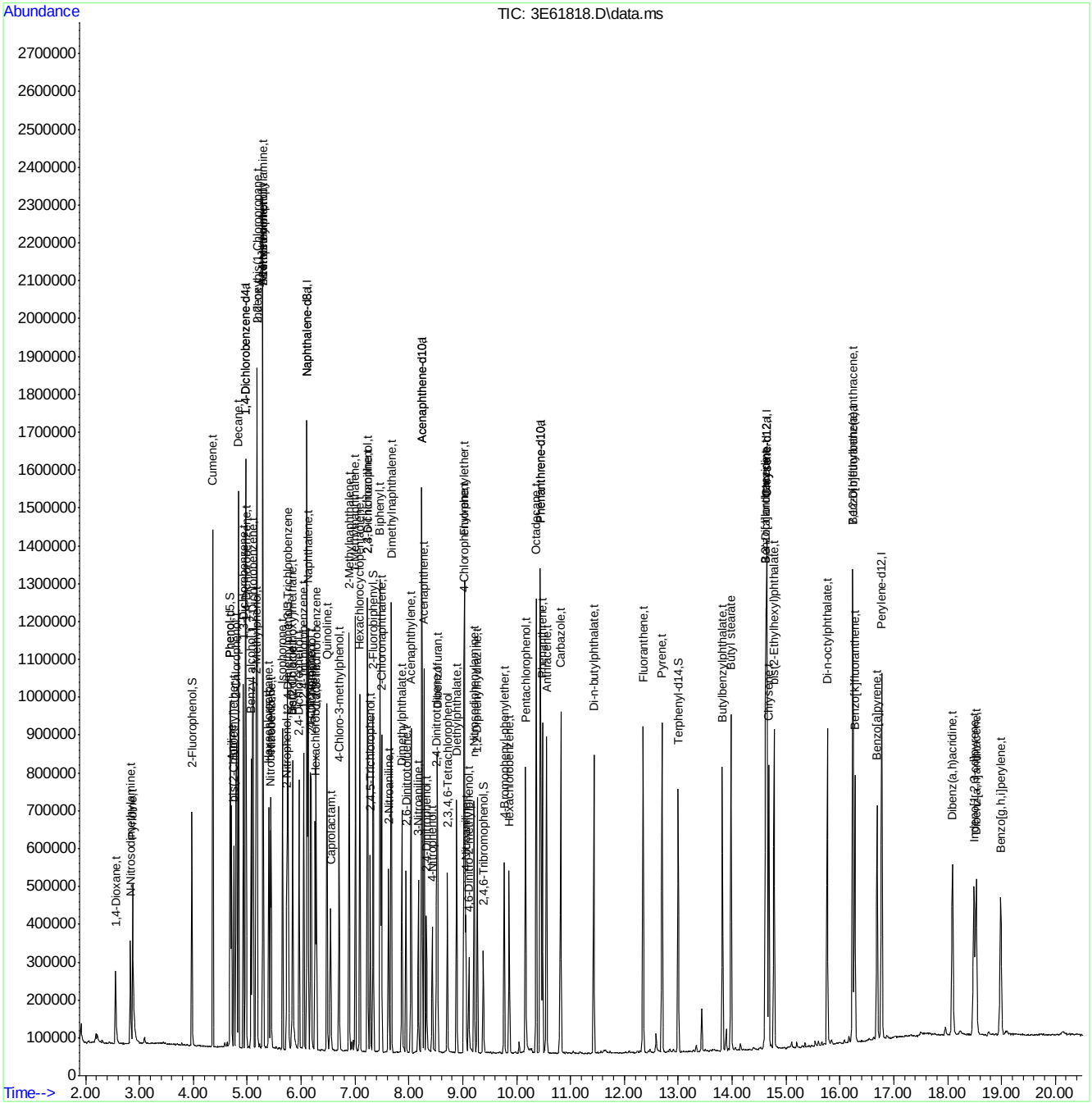
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61818.D
Acq On : 8 Jun 2014 1:56 pm
Operator : ashleyd
Sample : cc2646-25
Misc : op74977,e3e2652
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:54:05 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 Mon Jun 09 15:54:10 2014 MS3E Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61819.D
Acq On : 8 Jun 2014 2:24 pm
Operator : ashleyd
Sample : cc2647-25
Misc : op74977,e3e2652
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 15:55:01 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	198389	40.00	ppb	-0.01
24) Naphthalene-d8	6.107	136	765873	40.00	ppb	-0.02
47) Acenaphthene-d10	8.241	164	413677	40.00	ppb	-0.02
69) Phenanthrene-d10	10.439	188	625696	40.00	ppb	-0.02
83) Chrysene-d12	14.638	240	553045	40.00	ppb	-0.02
92) Perylene-d12	16.777	264	509937	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.968	152	198389	40.00	ppb	-0.01
104) Acenaphthene-d10a	8.241	164	413677	40.00	ppb	-0.02
106) Phenanthrene-d10a	10.439	188	625696	40.00	ppb	-0.02
108) Chrysene-d12a	14.638	240	553045	40.00	ppb	-0.02
110) Naphthalene-d8a	6.107	136	765873	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.625	105	126449	23.85	ppb	97
105) 1,2,4,5-Tetrachloroben...	7.096	216	124511	24.80	ppb	98
107) Atrazine	10.049	215	46360	28.39	ppb	96
109) benzidine	12.589	184	191186	18.80	ppb	98
111) Hydroquinone	6.513	110	175807	30.32	ppb	98

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

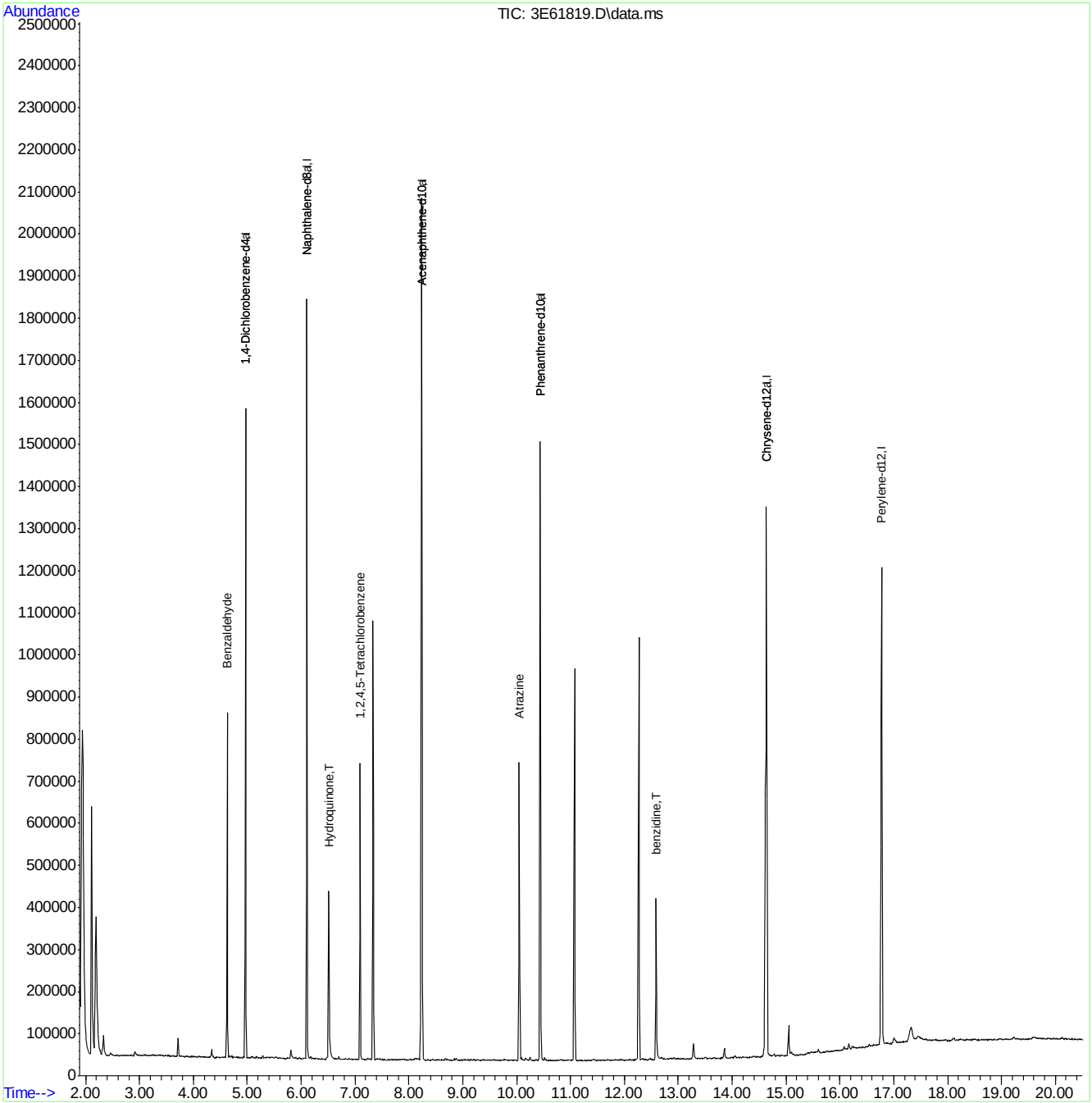
9.6.83

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2652\
Data File : 3E61819.D
Acq On : 8 Jun 2014 2:24 pm
Operator : ashleyd
Sample : cc2647-25
Misc : op74977,e3e2652
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 15:55:01 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 Mon Jun 09 15:55:20 2014 MS3E Page: 2

9.6.83

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	203454	40.00	ppb	-0.02
24) Naphthalene-d8	6.096	136	711655	40.00	ppb	-0.03
47) Acenaphthene-d10	8.230	164	371402	40.00	ppb	-0.03
69) Phenanthrene-d10	10.434	188	560393	40.00	ppb	-0.02
83) Chrysene-d12	14.643	240	449426	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	326554	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.957	152	203454	40.00	ppb	-0.02
104) Acenaphthene-d10a	8.230	164	371402	40.00	ppb	-0.03
106) Phenanthrene-d10a	10.434	188	560393	40.00	ppb	-0.02
108) Chrysene-d12a	14.643	240	449426	40.00	ppb	-0.01
110) Naphthalene-d8a	6.096	136	711655	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	339154	49.33	ppb	-0.01
Spiked Amount 50.000			Recovery = 98.66%			
8) Phenol-d5	4.673	99	412071	48.38	ppb	0.00
Spiked Amount 50.000			Recovery = 96.76%			
25) Nitrobenzene-d5	5.417	82	320299	51.94	ppb	-0.02
Spiked Amount 50.000			Recovery = 103.88%			
51) 2-Fluorobiphenyl	7.326	172	515854	45.27	ppb	-0.03
Spiked Amount 50.000			Recovery = 90.54%			
73) 2,4,6-Tribromophenol	9.375	330	51894	52.91	ppb	-0.02
Spiked Amount 50.000			Recovery = 105.82%			
85) Terphenyl-d14	12.991	244	485723	51.11	ppb	-0.02
Spiked Amount 50.000			Recovery = 102.22%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.539	88	182298	49.70	ppb	98
3) Pyridine	2.860	79	449006	49.82	ppb	92
4) N-Nitrosodimethylamine	2.817	74	249345	49.76	ppb	90
6) Indene	5.171	116	664657	49.14	ppb	100
7) Cumene	4.352	105	965090	50.65	ppb	99
9) Phenol	4.684	94	477796	48.67	ppb	98
10) Aniline	4.700	93	425031	40.67	ppb	99
11) bis(2-Chloroethyl)ether	4.743	93	318164	46.06	ppb	97
12) 2-Chlorophenol	4.796	128	358318	47.02	ppb	97
13) Decane	4.823	43	442273	53.58	ppb	95
14) 1,3-Dichlorobenzene	4.914	146	387743	47.61	ppb	99
15) 1,4-Dichlorobenzene	4.973	146	383009	47.32	ppb	99
16) Benzyl alcohol	5.064	108	237963	48.64	ppb	99
17) 1,2-Dichlorobenzene	5.096	146	345634	46.08	ppb	98
18) Acetophenone	5.289	105	505898	47.31	ppb	97
19) 2-Methylphenol	5.160	108	309222	47.56	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.171	121	120578	46.99	ppb	93
21) 3&4-Methylphenol	5.283	108	336648	48.85	ppb	99
22) n-Nitroso-di-n-propyla...	5.283	70	225799	47.58	ppb	96
23) Hexachloroethane	5.385	201	106708	48.17	ppb	91
26) Nitrobenzene	5.433	77	344162	49.76	ppb	97
27) Quinoline	6.471	129	674625	47.63	ppb	100
28) Isophorone	5.647	82	579272	48.89	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.722	139	188111	56.45	ppb	97
30) 2,4-Dimethylphenol	5.754	107	287298	54.87	ppb	97
31) Benzoic acid	5.866	105	224467	47.57	ppb	100
32) bis(2-Chloroethoxy)met...	5.834	93	335835	47.28	ppb	99
33) 2,4-Dichlorophenol	5.957	162	239703	48.91	ppb	98
34) 2,6-Dichlorophenol	6.182	162	221704	46.62	ppb	99
35) 1,3,5-Trichlorobenzene	5.738	180	311547	48.62	ppb	100
36) 1,2,4-Trichlorobenzene	6.037	180	247188	45.99	ppb	98
37) 1,2,3-Trichlorobenzene	6.267	180	258467	45.86	ppb	99
38) Naphthalene	6.118	128	879703	45.72	ppb	100
39) 4-Chloroaniline	6.166	127	359404	44.72	ppb	98
40) 2,3-Dichloroaniline	7.219	161	312622	46.76	ppb	98
41) Caprolactam	6.561	55	184974m	57.46	ppb	
42) Hexachlorobutadiene	6.246	225	114966	46.92	ppb	99
43) 4-Chloro-3-methylphenol	6.701	107	262434	50.49	ppb	96
44) 2-Methylnaphthalene	6.877	141	520391	46.50	ppb	98
45) 1-Methylnaphthalene	7.000	141	584627	47.80	ppb	100
46) Dimethylnaphthalene	7.663	156	569748	46.70	ppb	99
48) Hexachlorocyclopentadiene	7.075	237	262739	103.56	ppb	98
49) 2,4,6-Trichlorophenol	7.225	196	146926	50.24	ppb	97
50) 2,4,5-Trichlorophenol	7.278	196	149234	48.73	ppb	98
52) 2-Chloronaphthalene	7.481	162	465930	44.34	ppb	100
53) Biphenyl	7.455	154	761842	47.63	ppb	100
54) 2-Nitroaniline	7.610	65	181525	54.74	ppb	93
55) Dimethylphthalate	7.861	163	516091	46.33	ppb	99
56) Acenaphthylene	8.032	152	800709	46.86	ppb	99
57) 2,6-Dinitrotoluene	7.941	165	126118	48.95	ppb	98
58) 3-Nitroaniline	8.171	138	156655	51.40	ppb	99
59) Acenaphthene	8.273	153	500318	45.76	ppb	99
60) 2,4-Dinitrophenol	8.327	184	118273	94.53	ppb	88
61) 4-Nitrophenol	8.434	109	81324	52.06	ppb	93
62) Dibenzofuran	8.519	168	649489	44.54	ppb	97
63) 2,4-Dinitrotoluene	8.514	165	171575	48.53	ppb	81
64) 2,3,4,6-Tetrachlorophenol	8.706	232	111736	51.54	ppb	96
65) Diethylphthalate	8.872	149	539113	48.95	ppb	98
66) Fluorene	9.017	166	570560	47.38	ppb	99
67) 4-Chlorophenyl-phenyle...	9.022	204	228266	46.01	ppb	95
68) 4-Nitroaniline	9.054	138	135895	43.54	ppb	96
70) 4,6-Dinitro-2-methylph...	9.113	198	79300	51.59	ppb	98
71) n-Nitrosodiphenylamine	9.204	169	369865	46.56	ppb	98
72) 1,2-Diphenylhydrazine	9.263	77	615861	48.82	ppb	97
74) 4-Bromophenyl-phenylether	9.760	248	119880	45.98	ppb	99
75) Hexachlorobenzene	9.856	284	120563	44.01	ppb	94
76) Pentachlorophenol	10.161	266	165375	99.17	ppb	98
77) Phenanthrene	10.471	178	704278	44.55	ppb	99
78) Anthracene	10.546	178	705975	45.69	ppb	98
79) Carbazole	10.814	167	814035	47.49	ppb	100
80) Di-n-butylphthalate	11.423	149	927507	52.55	ppb	99
81) Fluoranthene	12.343	202	763627	47.57	ppb	100
82) Octadecane	10.354	57	512116	57.36	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.696	202	789939	51.45	ppb	100
86) Butylbenzylphthalate	13.809	149	416733	49.81	ppb	100
87) Butyl stearate	13.964	56	319372	64.02	ppb	98
88) Benzo[a]anthracene	14.622	228	672780	48.42	ppb	100
89) 3,3'-Dichlorobenzidine	14.611	252	232318	47.63	ppb	98
90) Chrysene	14.681	228	479528	41.98	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.766	149	519455	56.32	ppb	100
93) Di-n-octylphthalate	15.750	149	925550	56.96	ppb	97
94) Benzo[b]fluoranthene	16.237	252	623341	56.51	ppb	100
95) Benzo[k]fluoranthene	16.280	252	423504	42.68	ppb	99
96) Benzo[a]pyrene	16.686	252	453476	50.01	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.494	276	516074	55.68	ppb	86
98) Dibenz(a,h)acridine	18.093	279	432043	48.35	ppb	98
99) Dibenz[a,h]anthracene	18.532	278	401089	44.97	ppb	99
100) 7,12-Dimethylbenz(a)an...	16.237	256	295566	49.33	ppb	97
101) Benzo[g,h,i]perylene	18.992	276	402593	44.85	ppb	96

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

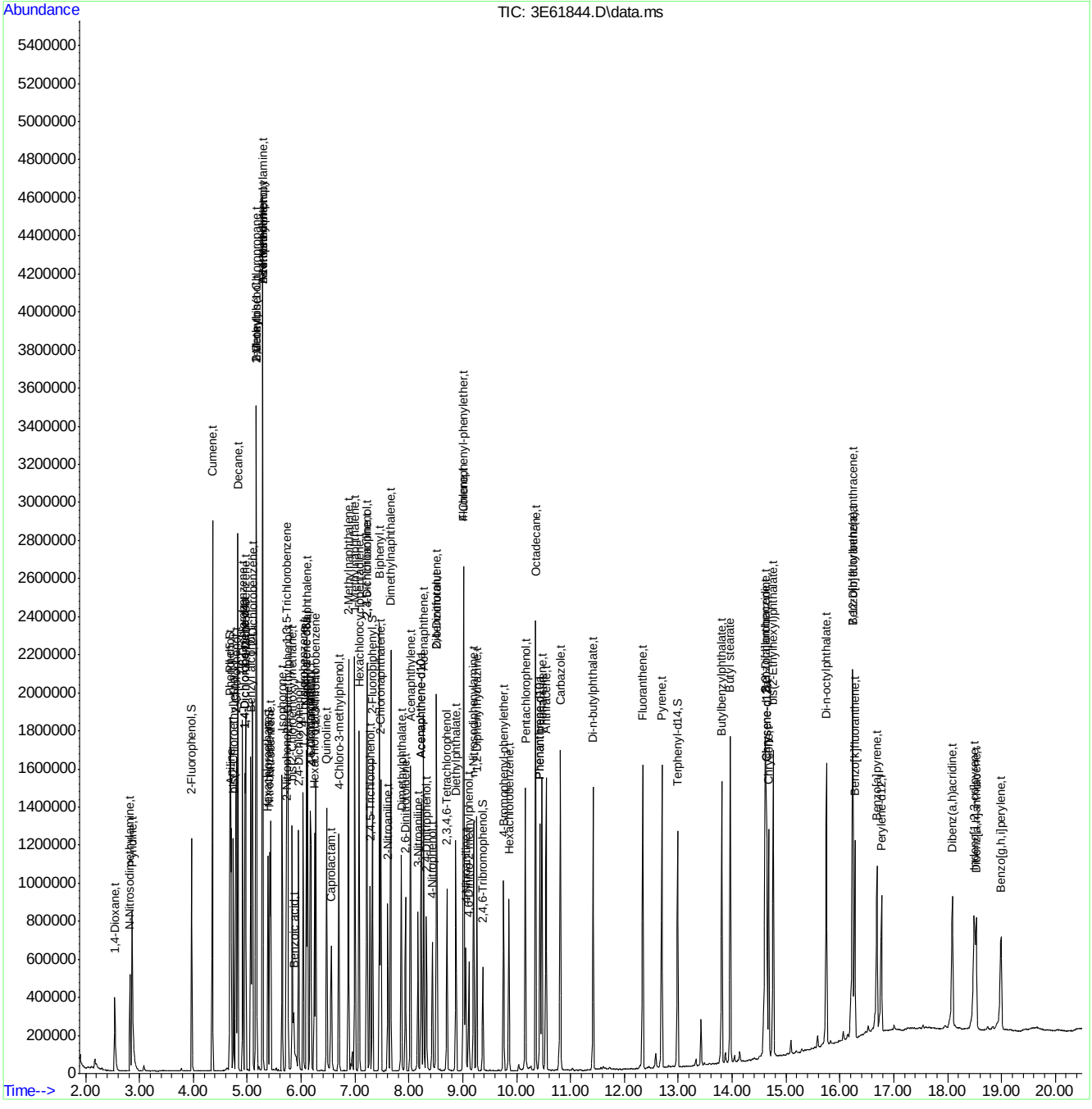
9.6.84

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

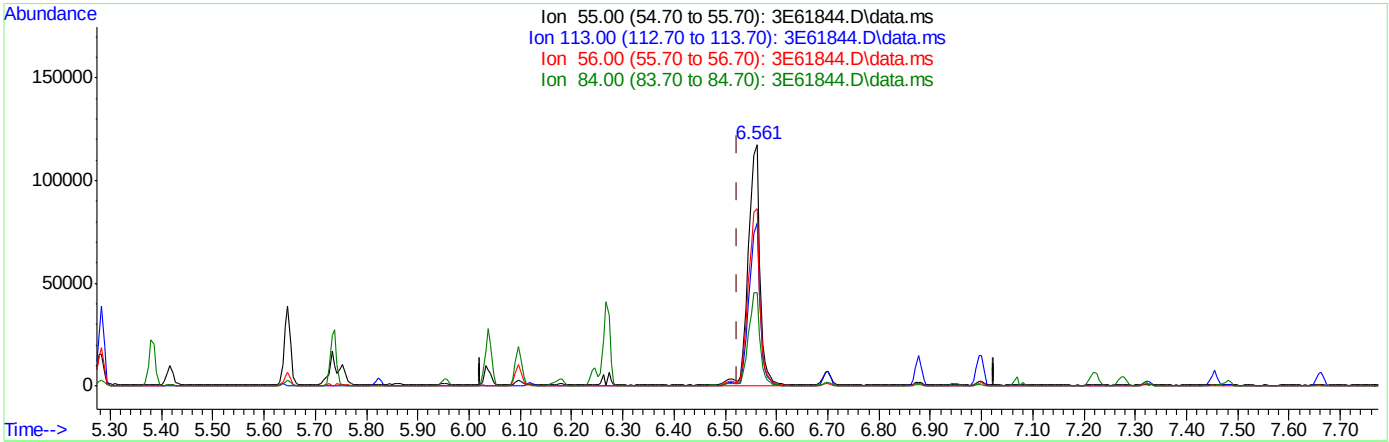


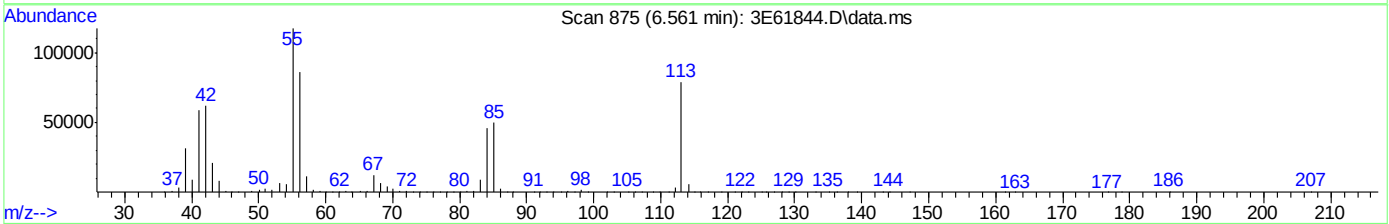
ACCUTEST LABORATORIES JB68318

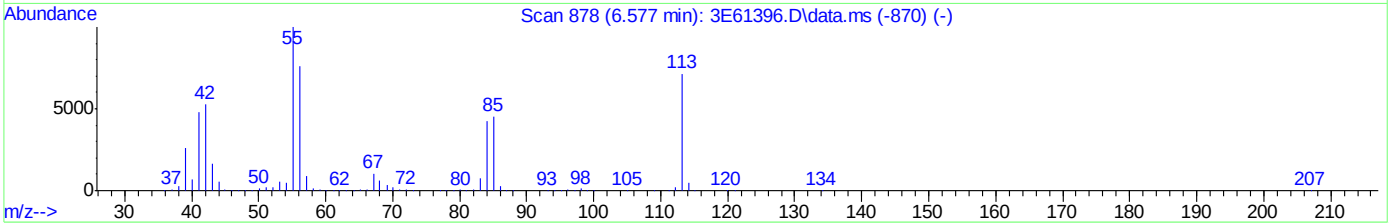
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:40:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration







TIC: 3E61844.D\data.ms

(41) Caprolactam (t)

6.561min (+0.037) 57.46ppb m

response 184974

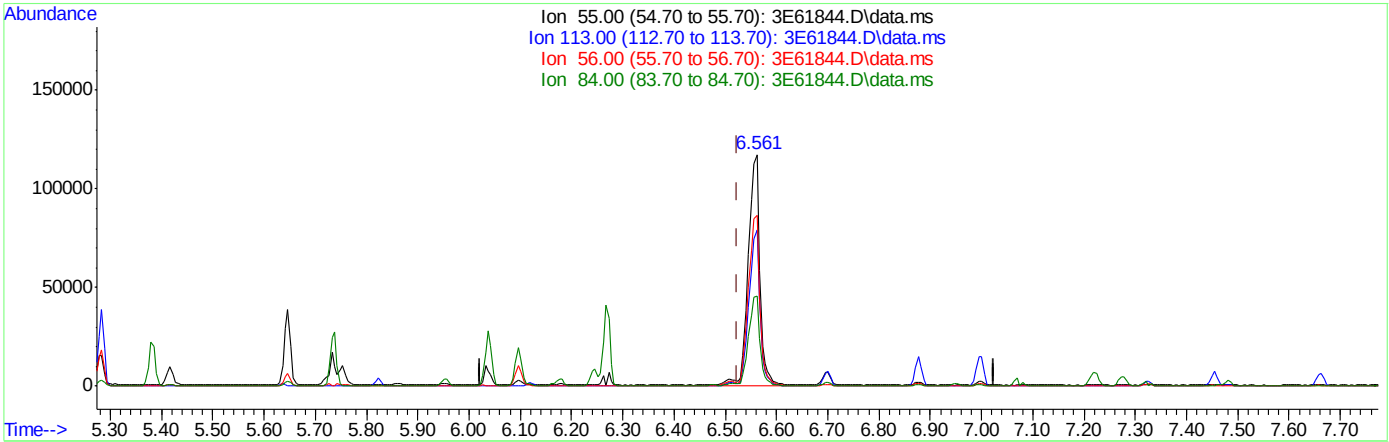
Ion	Exp%	Act%
55.00	100	100
113.00	71.50	67.47
56.00	76.10	73.49
84.00	42.20	38.84

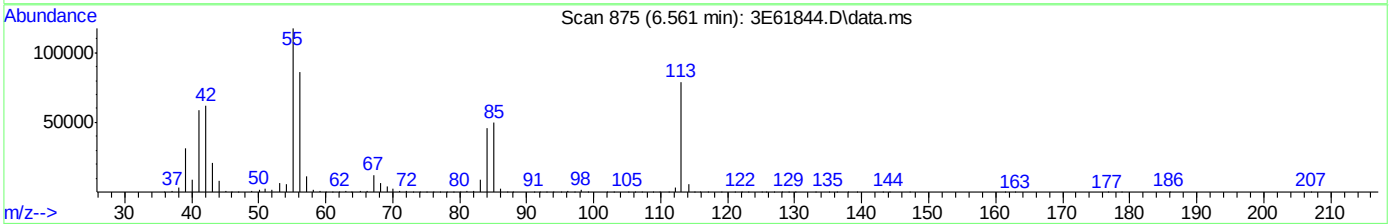
ACCUTEST LABORATORIES JB68318

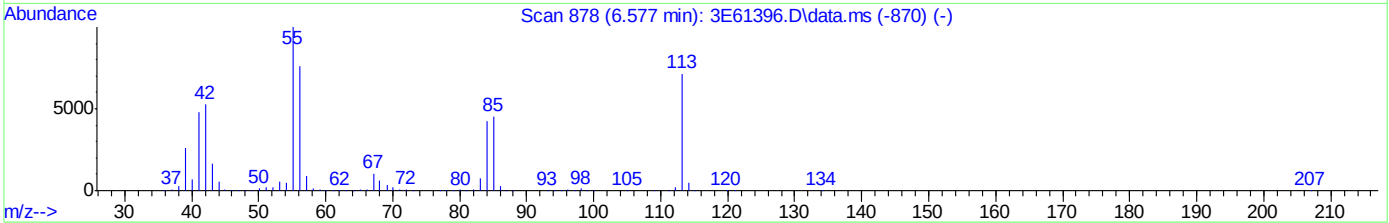
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration







TIC: 3E61844.D\data.ms

(41) Caprolactam (t)

6.561min (+0.037) 57.46ppb m

response 184974

Ion	Exp%	Act%
55.00	100	100
113.00	71.50	67.47
56.00	76.10	73.49
84.00	42.20	38.84

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61845.D
Acq On : 9 Jun 2014 9:47 am
Operator : saumilp
Sample : CC2647-50
Misc : op74977,e3e2653
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 15:28:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

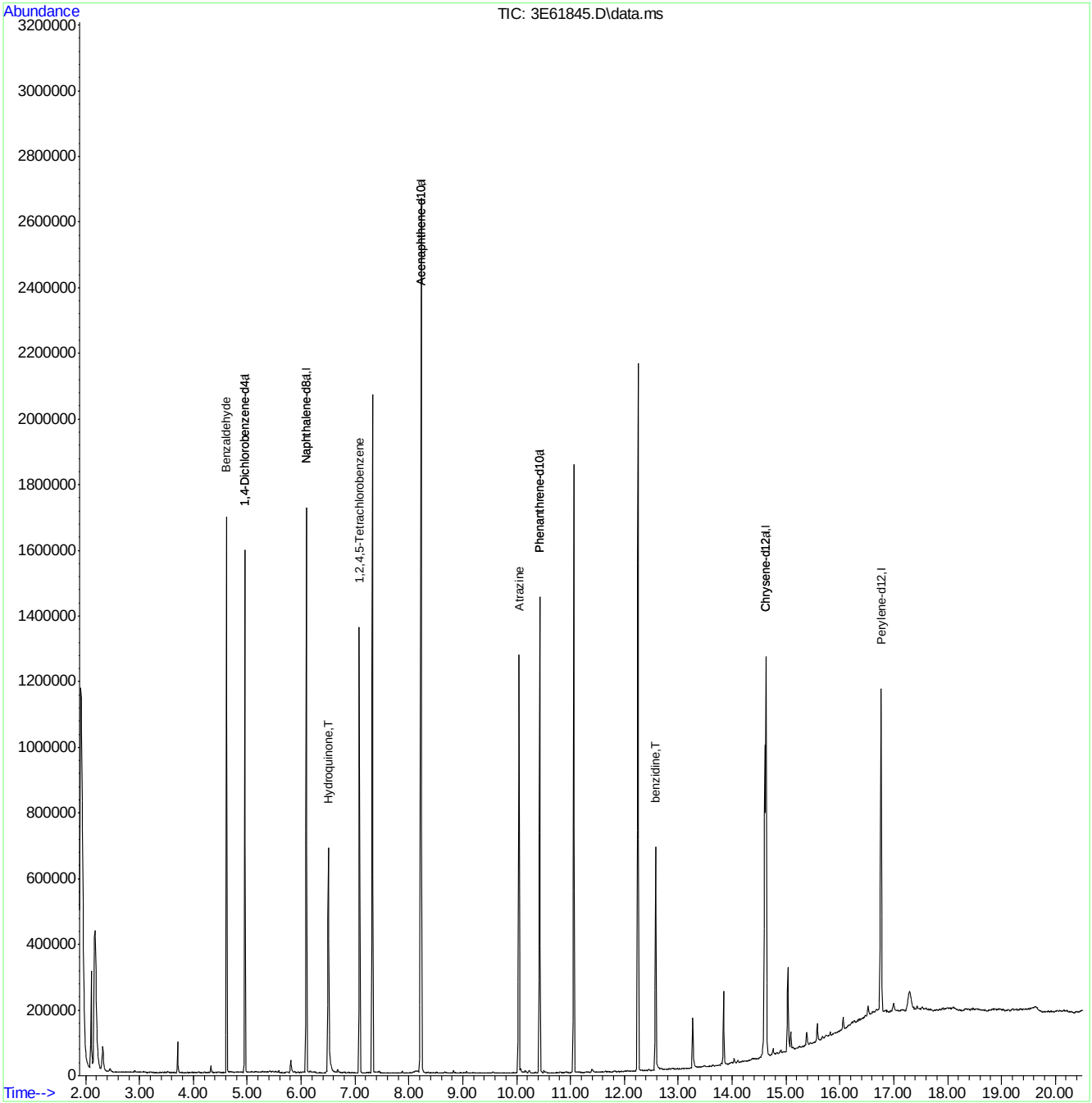
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	201167	40.00	ppb	-0.02
24) Naphthalene-d8	6.096	136	786796	40.00	ppb	-0.03
47) Acenaphthene-d10	8.225	164	421488	40.00	ppb	-0.03
69) Phenanthrene-d10	10.429	188	627737	40.00	ppb	-0.03
83) Chrysene-d12	14.633	240	505747	40.00	ppb	-0.03
92) Perylene-d12	16.767	264	413744	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	4.957	152	201167	40.00	ppb	-0.02
104) Acenaphthene-d10a	8.225	164	421488	40.00	ppb	-0.03
106) Phenanthrene-d10a	10.429	188	627737	40.00	ppb	-0.03
108) Chrysene-d12a	14.633	240	505747	40.00	ppb	-0.02
110) Naphthalene-d8a	6.096	136	786796	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.615	105	259254	48.23	ppb	95
105) 1,2,4,5-Tetrachloroben...	7.086	216	237534	46.43	ppb	100
107) Atrazine	10.044	215	90618	55.32	ppb	89
109) benzidine	12.579	184	316335	34.02	ppb	98
111) Hydroquinone	6.503	110	355101	59.62	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61845.D
Acq On : 9 Jun 2014 9:47 am
Operator : saumilp
Sample : CC2647-50
Misc : op74977,e3e2653
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 15:28:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.579	152	389699	40.00	ppb	0.00
24) Naphthalene-d8	5.690	136	1449196	40.00	ppb	0.00
47) Acenaphthene-d10	7.987	164	837488	40.00	ppb	0.00
69) Phenanthrene-d10	10.583	188	1380409	40.00	ppb	0.00
83) Chrysene-d12	15.738	240	1367119	40.00	ppb	0.00
92) Perylene-d12	18.345	264	1210520	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.579	152	389699	40.00	ppb	0.00
104) Acenaphthene-d10a	7.987	164	837488	40.00	ppb	0.00
107) Chrysene-d12a	15.738	240	1367119	40.00	ppb	0.00
110) Phenanthrene-d10a	10.583	188	1380409	40.00	ppb	0.00
112) Naphthalene-d8a	5.690	136	1449196	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.612	112	1340535	100.61	ppb	0.00
Spiked Amount 50.000			Recovery =	201.22%		
8) Phenol-d5	4.338	99	1499079	94.69	ppb	0.00
Spiked Amount 50.000			Recovery =	189.38%		
25) Nitrobenzene-d5	5.027	82	1421072	96.08	ppb	0.00
Spiked Amount 50.000			Recovery =	192.16%		
51) 2-Fluorobiphenyl	6.993	172	2586229	99.87	ppb	0.00
Spiked Amount 50.000			Recovery =	199.74%		
73) 2,4,6-Tribromophenol	9.333	330	329264	102.50	ppb	0.00
Spiked Amount 50.000			Recovery =	205.00%		
86) Terphenyl-d14	13.751	244	2829491	102.83	ppb	0.00
Spiked Amount 50.000			Recovery =	205.66%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.095	88	673461	101.57	ppb	100
3) Pyridine	2.431	79	1760289	110.29	ppb	100
4) N-Nitrosodimethylamine	2.399	42	580014	98.58	ppb	100
6) Indene	4.782	116	2477310	108.02	ppb	100
7) Cumene	3.986	105	3628639	105.59	ppb	100
9) Phenol	4.349	94	1797452	99.17	ppb	100
10) Aniline	4.338	93	1719788	88.38	ppb	100
11) bis(2-Chloroethyl)ether	4.386	93	1264140	96.74	ppb	100
12) 2-Chlorophenol	4.434	128	1361054	99.56	ppb	100
13) Decane	4.466	43	1083274	97.13	ppb	100
14) 1,3-Dichlorobenzene	4.541	146	1422304	101.85	ppb	100
15) 1,4-Dichlorobenzene	4.595	146	1426261	97.42	ppb	100
16) Benzyl alcohol	4.696	108	852926	94.96	ppb	100
17) 1,2-Dichlorobenzene	4.712	146	1310725	96.21	ppb	100
18) Acetophenone	4.905	105	2012778	103.99	ppb	100
19) 2-Methylphenol	4.798	108	1163063	93.69	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.792	121	372948	92.76	ppb	100
21) 3&4-Methylphenol	4.921	108	1299319	104.93	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.910	70	824547	90.13	ppb	100
23) Hexachloroethane	4.985	201	500588	103.08	ppb	100
26) Nitrobenzene	5.043	77	1504116	101.11	ppb	100
27) Quinoline	6.085	129	3017400	108.58	ppb	100
28) Isophorone	5.252	82	2548488	100.72	ppb	100
29) 2-Nitrophenol	5.321	139	702522	103.44	ppb	100
30) 2,4-Dimethylphenol	5.375	107	1332421	112.37	ppb	100
31) Benzoic acid	5.540	105	1053231	115.93	ppb	100
32) bis(2-Chloroethoxy)met...	5.444	93	1469893	98.74	ppb	100
33) 2,4-Dichlorophenol	5.562	162	1048535	101.48	ppb	100
34) 2,6-Dichlorophenol	5.786	162	1015993	102.20	ppb	100
35) 1,3,5-Trichlorobenzene	5.332	180	1298126	102.88	ppb	100
36) 1,2,4-Trichlorobenzene	5.631	180	1133861	97.94	ppb	100
37) 1,2,3-Trichlorobenzene	5.866	180	1258399	105.63	ppb	100
38) Naphthalene	5.711	128	3803796	99.56	ppb	100
39) 4-Chloroaniline	5.775	127	1520772	98.78	ppb	100
40) 2,3-Dichloroaniline	6.870	161	1455997	109.59	ppb	100
41) Caprolactam	6.203	55	620986	107.55	ppb	100
42) Hexachlorobutadiene	5.845	225	629020	100.70	ppb	100
43) 4-Chloro-3-methylphenol	6.352	107	1219584	104.08	ppb	100
44) 2-Methylnaphthalene	6.497	141	2061547	100.17	ppb	100
45) 1-Methylnaphthalene	6.625	142	2657926	108.19	ppb	100
46) Dimethylnaphthalene	7.362	156	2473796	106.63	ppb	100
48) Hexachlorocyclopentadiene	6.710	237	1511120	250.04	ppb	100
49) 2,4,6-Trichlorophenol	6.892	196	768938	103.00	ppb	100
50) 2,4,5-Trichlorophenol	6.951	196	857895	104.48	ppb	100
52) 2-Chloronaphthalene	7.154	162	2286861	101.16	ppb	100
53) Biphenyl	7.132	154	3345637	105.76	ppb	100
54) 2-Nitroaniline	7.319	65	766982	100.29	ppb	100
55) Dimethylphthalate	7.613	163	2590710	101.09	ppb	100
56) Acenaphthylene	7.763	152	3771975	103.41	ppb	100
57) 2,6-Dinitrotoluene	7.693	165	624184	105.30	ppb	100
58) 3-Nitroaniline	7.955	138	701795	102.16	ppb	100
59) Acenaphthene	8.040	153	2279009	103.74	ppb	100
60) 2,4-Dinitrophenol	8.142	184	887166	318.10	ppb	100
61) 4-Nitrophenol	8.318	109	395000	107.47	ppb	100
62) Dibenzofuran	8.324	168	3165196	97.68	ppb	100
63) 2,4-Dinitrotoluene	8.350	165	853461	105.76	ppb	100
64) 2,3,4,6-Tetrachlorophenol	8.559	232	688553	107.05	ppb	100
65) Diethylphthalate	8.794	149	2528234	101.05	ppb	100
66) Fluorene	8.906	166	2649359	100.08	ppb	100
67) 4-Chlorophenyl-phenyle...	8.933	204	1253686	100.56	ppb	100
68) 4-Nitroaniline	8.997	138	707624	107.30	ppb	100
70) 4,6-Dinitro-2-methylph...	9.061	198	590089	136.09	ppb	100
71) n-Nitrosodiphenylamine	9.157	169	1839358	103.04	ppb	100
72) 1,2-Diphenylhydrazine	9.216	77	2869962	101.75	ppb	100
74) 4-Bromophenyl-phenylether	9.803	248	703200	107.26	ppb	100
75) Hexachlorobenzene	9.899	284	714077	103.25	ppb	100
76) Pentachlorophenol	10.289	266	990828	239.01	ppb	100
77) Phenanthrene	10.631	178	3843953	100.91	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration

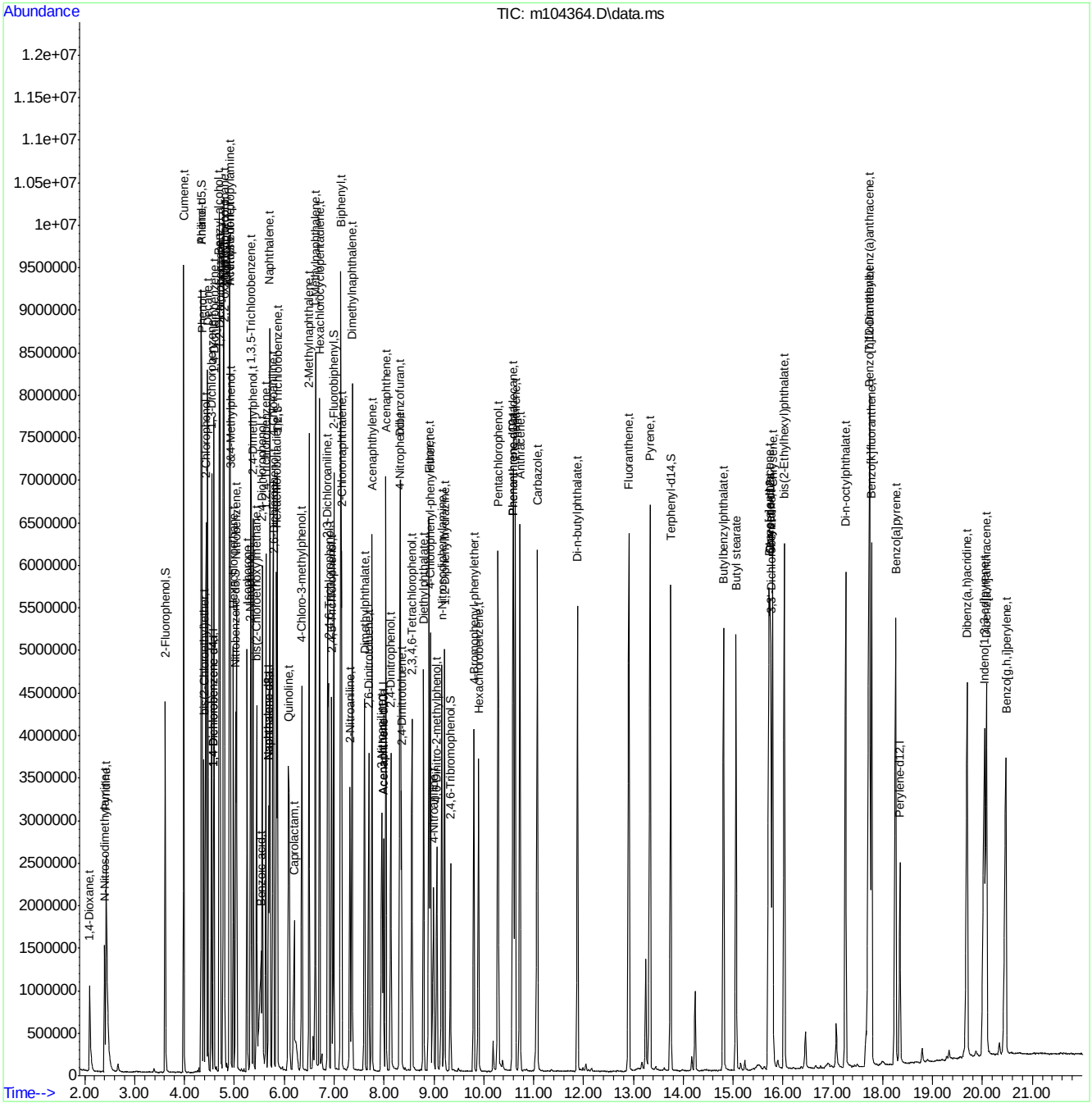
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	10.727	178	3942116	101.91	ppb	100
79)	Carbazole	11.080	167	4223944	109.82	ppb	100
80)	Di-n-butylphthalate	11.881	149	4348603	106.17	ppb	100
81)	Fluoranthene	12.912	202	4310732	101.32	ppb	100
82)	Octadecane	10.594	57	1556479	101.29	ppb	100
84)	Pyrene	13.334	202	4523352	101.00	ppb	100
85)	Butyl stearate	15.060	56	1005146	103.82	ppb	100
87)	Butylbenzylphthalate	14.809	149	1933952	105.32	ppb	100
88)	Benzo[a]anthracene	15.717	228	4011598	96.32	ppb	100
89)	3,3'-Dichlorobenzidine	15.754	252	1465091	104.88	ppb	100
90)	Chrysene	15.792	228	3764951	102.02	ppb	100
91)	bis(2-Ethylhexyl)phtha...	16.027	149	2736544	102.86	ppb	100
93)	Di-n-octylphthalate	17.256	149	4755950	105.13	ppb	100
94)	Benzo[b]fluoranthene	17.731	252	4108715	103.47	ppb	100
95)	Benzo[k]fluoranthene	17.779	252	3668075	99.78	ppb	100
96)	Benzo[a]pyrene	18.260	252	3471587	97.68	ppb	100
97)	Indeno[1,2,3-cd]pyrene	20.033	276	3409702	98.44	ppb	100
98)	Dibenz(a,h)acridine	19.692	279	3211911	109.48	ppb	100
99)	Dibenz[a,h]anthracene	20.082	278	3156549	94.59	ppb	100
100)	7,12-Dimethylbenz(a)an...	17.736	256	2153345	137.08	ppb	100
101)	Benzo[g,h,i]perylene	20.472	276	3239700	93.25	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 10:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.580	152	543925	40.00	ppb		0.00
24) Naphthalene-d8	5.686	136	1976455	40.00	ppb		0.00
47) Acenaphthene-d10	7.978	164	1125330	40.00	ppb		0.00
69) Phenanthrene-d10	10.574	188	1931926	40.00	ppb		0.00
83) Chrysene-d12	15.724	240	1901242	40.00	ppb		-0.01
92) Perylene-d12	18.341	264	1690812	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	543925	40.00	ppb		0.00
104) Acenaphthene-d10a	7.978	164	1125330	40.00	ppb		0.00
107) Chrysene-d12a	15.724	240	1901242	40.00	ppb		-0.01
110) Phenanthrene-d10a	10.574	188	1931926	40.00	ppb		0.00
112) Naphthalene-d8a	5.686	136	1976455	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.613	112	18484	0.99	ppb		0.00
Spiked Amount 50.000			Recovery	=	1.98%		
8) Phenol-d5	4.329	99	23268	1.11	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.22%		
25) Nitrobenzene-d5	5.018	82	20964	1.08	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.16%		
51) 2-Fluorobiphenyl	6.984	172	34843	1.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.00%		
73) 2,4,6-Tribromophenol	9.318	330	4383	0.95	ppb		-0.01
Spiked Amount 50.000			Recovery	=	1.90%		
86) Terphenyl-d14	13.736	244	37181	0.94	ppb		-0.01
Spiked Amount 50.000			Recovery	=	1.88%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	2.112	88	9110	0.97	ppb		90
3) Pyridine	2.481	79	19983	0.81	ppb		95
4) N-Nitrosodimethylamine	2.422	42	8329	1.03	ppb		91
6) Indene	4.778	116	29443	0.85	ppb		94
7) Cumene	3.987	105	45286	0.89	ppb		99
9) Phenol	4.340	94	25507	1.02	ppb		62
10) Aniline	4.340	93	30316	1.26	ppb		76
11) bis(2-Chloroethyl)ether	4.382	93	18835	1.07	ppb		99
12) 2-Chlorophenol	4.430	128	19164	1.01	ppb		94
13) Decane	4.462	43	16012	1.06	ppb		96
14) 1,3-Dichlorobenzene	4.537	146	19129	0.96	ppb		94
15) 1,4-Dichlorobenzene	4.591	146	20963	1.05	ppb		95
16) Benzyl alcohol	4.692	108	13169	1.11	ppb		87
17) 1,2-Dichlorobenzene	4.708	146	19734	1.08	ppb		91
18) Acetophenone	4.895	105	25937	0.92	ppb		98
19) 2-Methylphenol	4.788	108	18421	1.13	ppb		93
20) 2,2'-oxybis(1-Chloropr...	4.788	121	6018	1.16	ppb	#	86
21) 3&4-Methylphenol	4.911	108	16431	0.91	ppb	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.895	70	14030	1.22	ppb		96
23) Hexachloroethane	4.981	201	6570	0.94	ppb		96
26) Nitrobenzene	5.034	77	20064	0.98	ppb		93
27) Quinoline	6.065	129	34650	0.84	ppb		99
28) Isophorone	5.237	82	34260	0.99	ppb		98
29) 2-Nitrophenol	5.317	139	8944	0.93	ppb		90
30) 2,4-Dimethylphenol	5.365	107	14171	0.78	ppb		94
31) Benzoic acid	5.440	105	10417	0.73	ppb		72
32) bis(2-Chloroethoxy)met...	5.440	93	20560	1.03	ppb		100
33) 2,4-Dichlorophenol	5.552	162	13884	0.97	ppb		91
34) 2,6-Dichlorophenol	5.777	162	13259	0.96	ppb		87
35) 1,3,5-Trichlorobenzene	5.328	180	16714	0.94	ppb		98
36) 1,2,4-Trichlorobenzene	5.627	180	16114	1.04	ppb		96
37) 1,2,3-Trichlorobenzene	5.857	180	15333	0.89	ppb		92
38) Naphthalene	5.702	128	52336	1.01	ppb		98
39) 4-Chloroaniline	5.761	127	21255	1.02	ppb		95
40) 2,3-Dichloroaniline	6.861	161	16382	0.82	ppb		97
41) Caprolactam	6.113	55	7280	0.86	ppb		80
42) Hexachlorobutadiene	5.841	225	8460	0.99	ppb		88
43) 4-Chloro-3-methylphenol	6.327	107	15329	0.92	ppb		92
44) 2-Methylnaphthalene	6.492	141	28020	1.00	ppb		96
45) 1-Methylnaphthalene	6.615	142	30759	0.85	ppb		97
46) Dimethylnaphthalene	7.347	156	29540	0.88	ppb		97
48) Hexachlorocyclopentadiene	6.701	237	12178	1.20	ppb		96
49) 2,4,6-Trichlorophenol	6.872	196	9730	0.94	ppb		83
50) 2,4,5-Trichlorophenol	6.931	196	10539	0.91	ppb		96
52) 2-Chloronaphthalene	7.139	162	30022	0.98	ppb		93
53) Biphenyl	7.117	154	40058	0.89	ppb		94
54) 2-Nitroaniline	7.294	65	10246	0.99	ppb		84
55) Dimethylphthalate	7.593	163	34063	0.98	ppb		97
56) Acenaphthylene	7.748	152	47344	0.93	ppb		97
57) 2,6-Dinitrotoluene	7.673	165	7543	0.90	ppb		83
58) 3-Nitroaniline	7.929	138	9031	0.96	ppb	#	69
59) Acenaphthene	8.026	153	28416	0.93	ppb		84
60) 2,4-Dinitrophenol	8.122	184	3069	0.51	ppb		91
61) 4-Nitrophenol	8.293	109	4570	0.86	ppb	#	29
62) Dibenzofuran	8.309	168	44548	1.05	ppb		92
63) 2,4-Dinitrotoluene	8.325	165	10219	0.89	ppb		85
64) 2,3,4,6-Tetrachlorophenol	8.549	232	8033	0.87	ppb		95
65) Diethylphthalate	8.768	149	33266	0.98	ppb		95
66) Fluorene	8.891	166	35541	1.00	ppb		95
67) 4-Chlorophenyl-phenyle...	8.923	204	16659	0.99	ppb		90
68) 4-Nitroaniline	8.955	138	8215	0.86	ppb		91
70) 4,6-Dinitro-2-methylph...	9.035	198	3878	0.47	ppb		89
71) n-Nitrosodiphenylamine	9.137	169	24224	0.94	ppb		96
72) 1,2-Diphenylhydrazine	9.196	77	38782	0.97	ppb		94
74) 4-Bromophenyl-phenylether	9.789	248	8509	0.86	ppb		89
75) Hexachlorobenzene	9.879	284	9364	0.94	ppb		97
76) Pentachlorophenol	10.269	266	9340	1.35	ppb		88
77) Phenanthrene	10.611	178	52825	0.98	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.707	178	53104	0.96	ppb	98
79) Carbazole	11.055	167	48543	0.82	ppb	96
80) Di-n-butylphthalate	11.867	149	53786	0.88	ppb	97
81) Fluoranthene	12.892	202	58762	0.97	ppb	97
82) Octadecane	10.579	57	21230	0.97	ppb	98
84) Pyrene	13.314	202	61661	0.98	ppb	96
85) Butyl stearate	15.045	56	12950	0.93	ppb	93
87) Butylbenzylphthalate	14.794	149	24179	0.90	ppb	90
88) Benzo[a]anthracene	15.702	228	60054	1.08	ppb	93
89) 3,3'-Dichlorobenzidine	15.729	252	18480	0.91	ppb	90
90) Chrysene	15.766	228	50282	0.96	ppb	98
91) bis(2-Ethylhexyl)phtha...	16.017	149	35938	0.94	ppb	98
93) Di-n-octylphthalate	17.235	149	59942	0.90	ppb	97
94) Benzo[b]fluoranthene	17.684	252	53541m	0.93	ppb	
95) Benzo[k]fluoranthene	17.732	252	51954	1.01	ppb	97
96) Benzo[a]pyrene	18.229	252	50795	1.05	ppb	95
97) Indeno[1,2,3-cd]pyrene	19.987	276	49135m	1.03	ppb	
98) Dibenz(a,h)acridine	19.655	279	37090	0.83	ppb	94
99) Dibenz[a,h]anthracene	20.040	278	49135	1.11	ppb	95
100) 7,12-Dimethylbenz(a)an...	17.695	256	13805	0.46	ppb	89
101) Benzo[g,h,i]perylene	20.414	276	51797m	1.14	ppb	

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

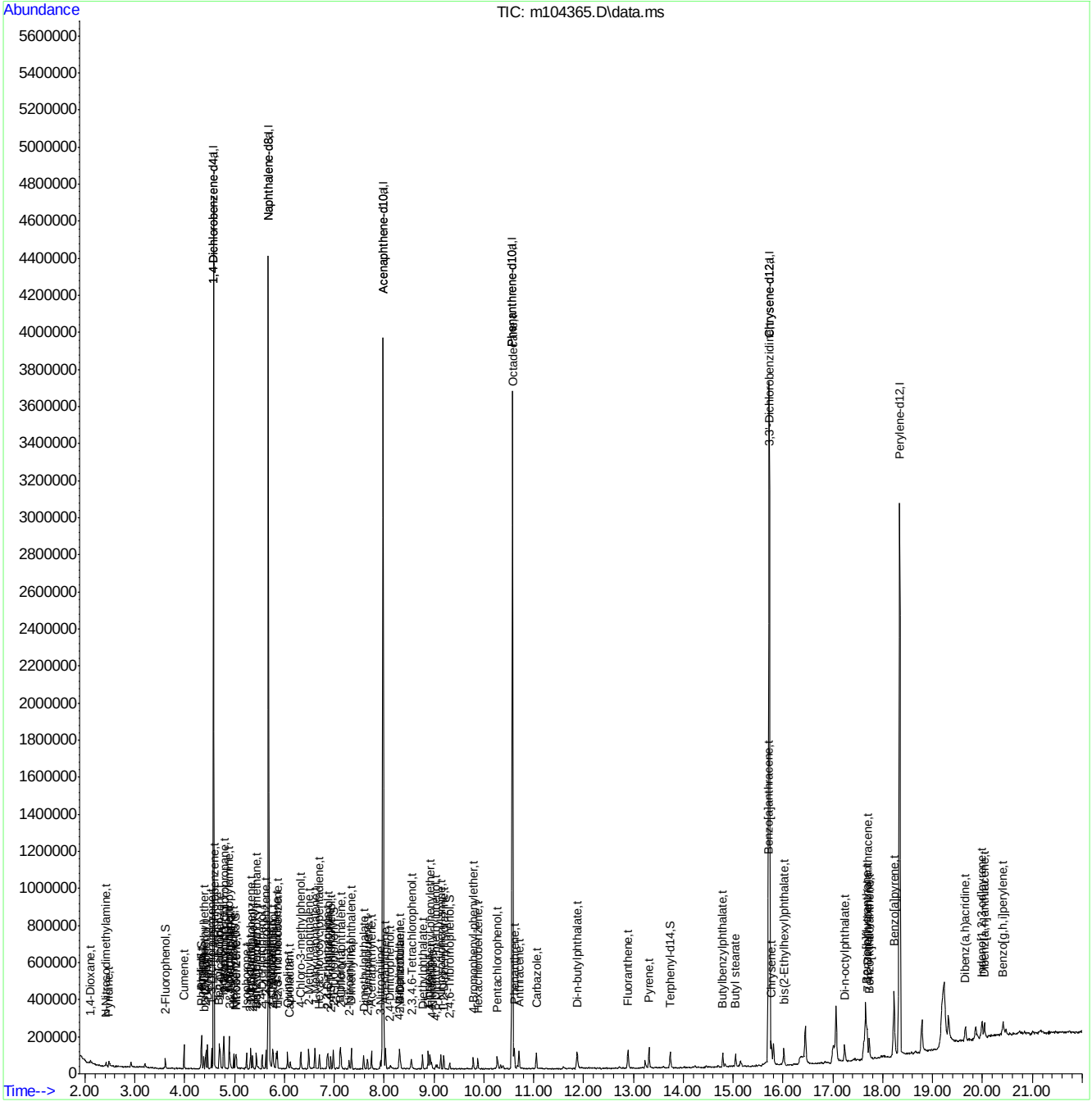
9.6.87

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

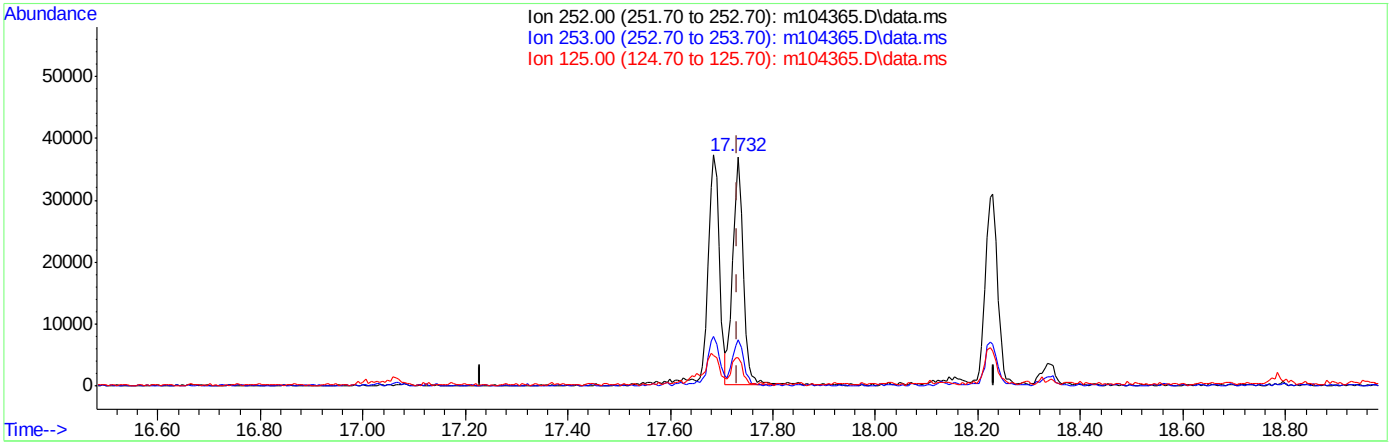
Sample Number:	EM4271-IC4271	**Method:**	SW846 8270D
Lab FileID:	M104365.D	**Analyst approved:**	05/14/14 09:32 Saumil Patel
Injection Time:	05/13/14 15:39	**Supervisor approved:**	05/14/14 10:59 Nina Pandya

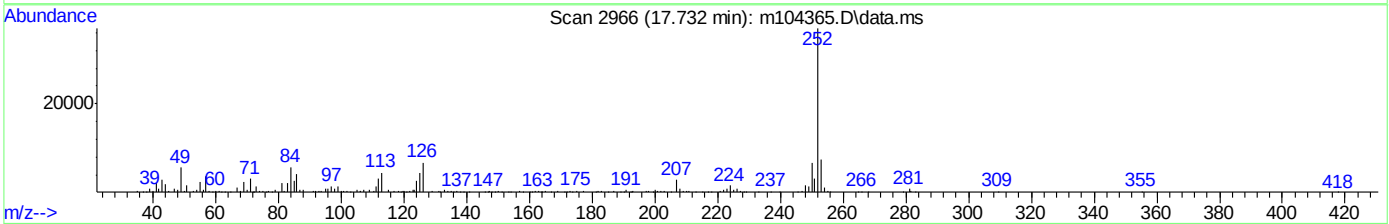
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		17.68	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		19.99	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		20.41	Poor instrument integration

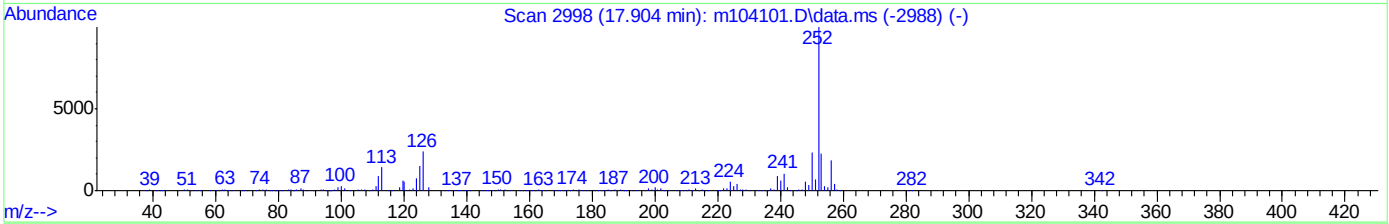
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(94) Benzo[b]fluoranthene (t)

17.732min (+0.001) 0.92ppb

response 52919

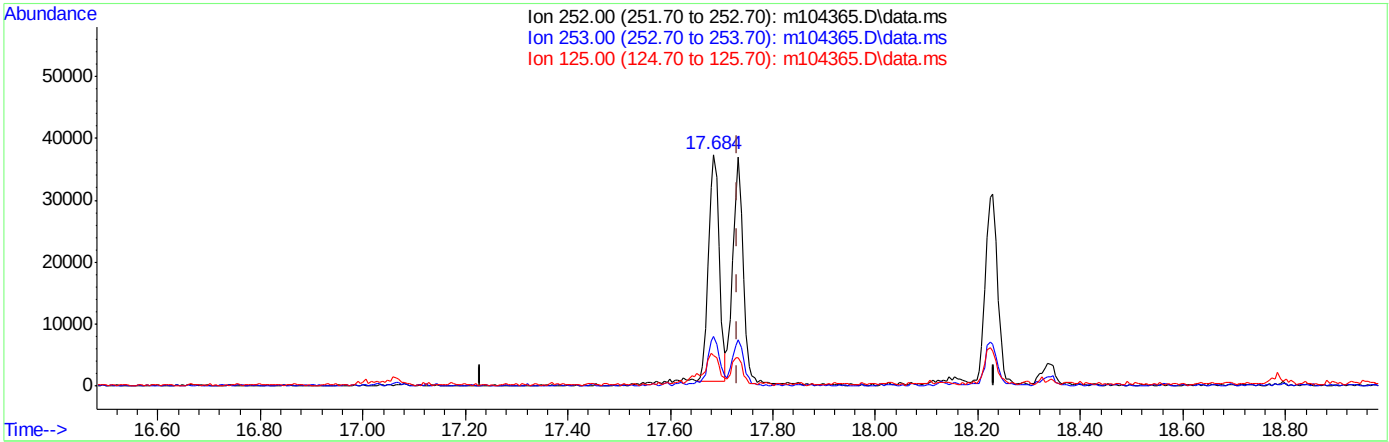
Ion	Exp%	Act%
252.00	100	100
253.00	23.80	19.21
125.00	15.90	10.84
0.00	0.00	0.00

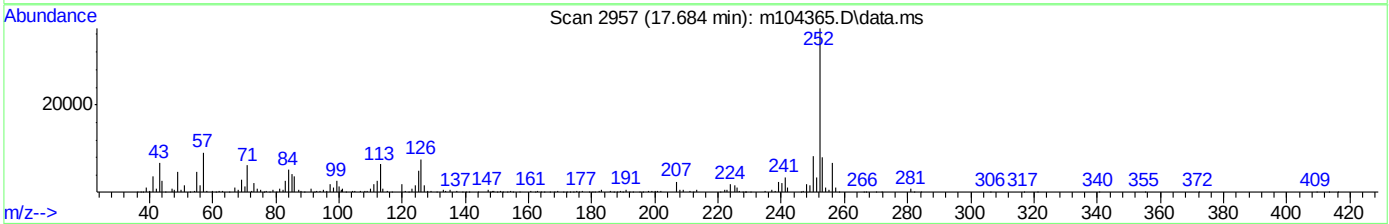
ACCUTEST LABORATORIES JB68318

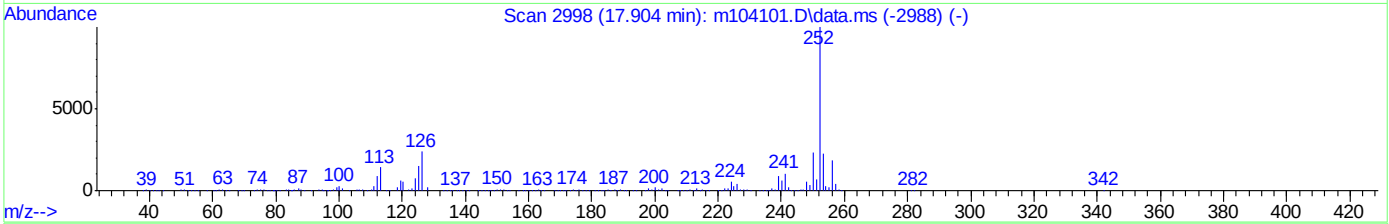
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(94) Benzo[b]fluoranthene (t)

17.684min (-0.047) 0.93ppb m

response 53541

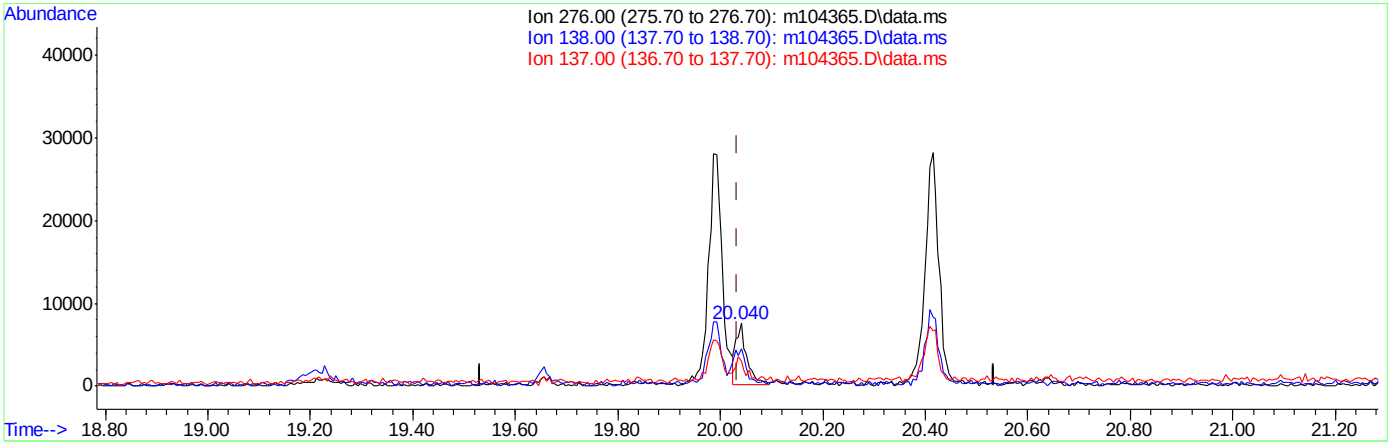
Ion	Exp%	Act%
252.00	100	100
253.00	23.80	21.27
125.00	15.90	13.22
0.00	0.00	0.00

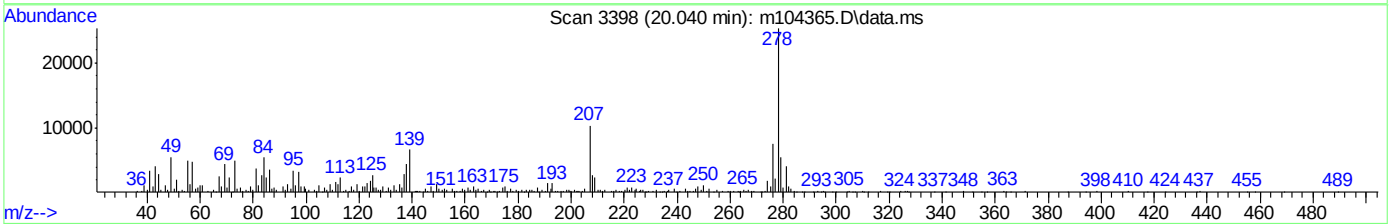
ACCUTEST LABORATORIES JB68318

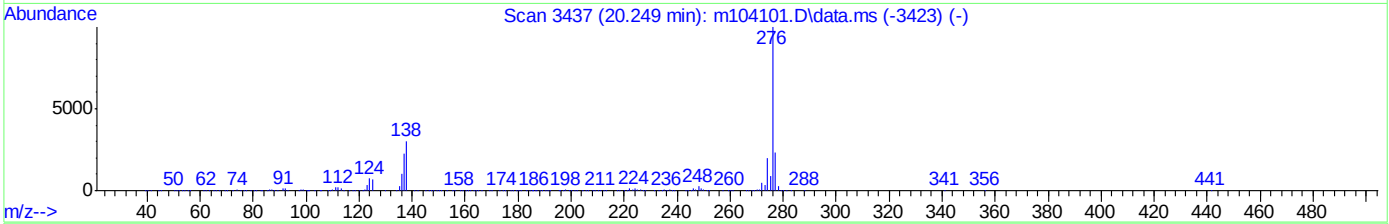
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

20.040min (+0.007) 0.22ppb

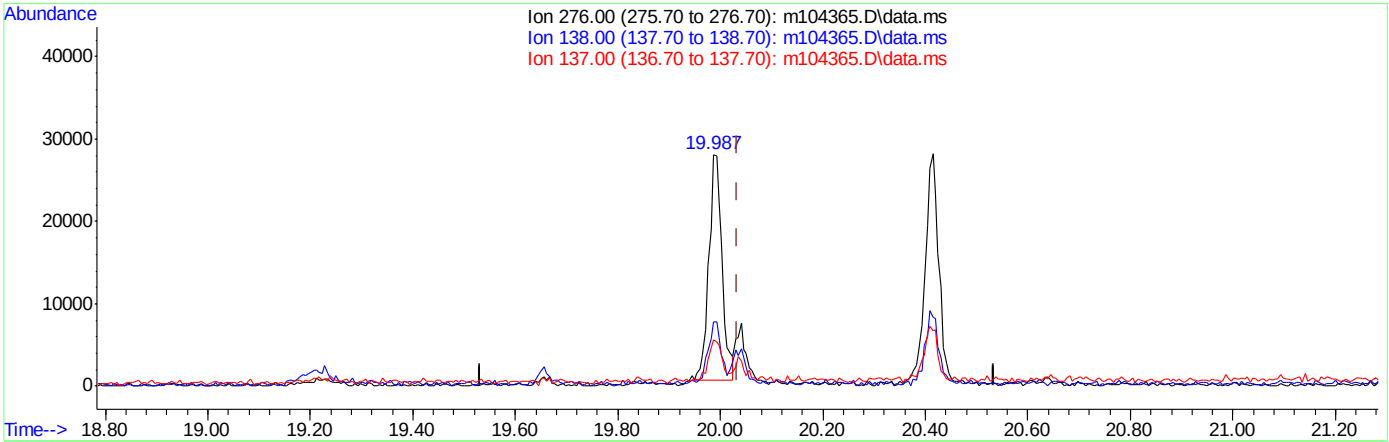
response 10688

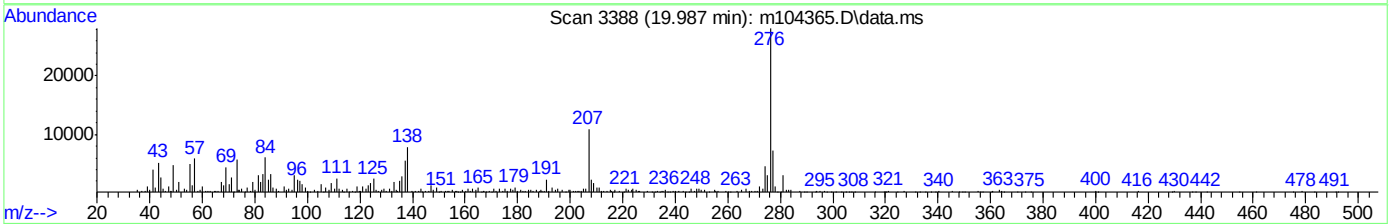
Ion	Exp%	Act%
276.00	100	100
138.00	22.40	49.54
137.00	16.70	29.71
0.00	0.00	0.00

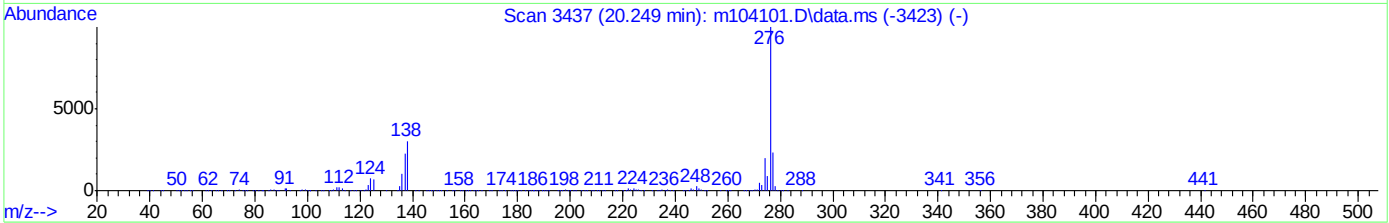
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

19.987min (-0.047) 1.03ppb m

response 49135

Ion	Exp%	Act%
276.00	100	100
138.00	22.40	27.81
137.00	16.70	19.81
0.00	0.00	0.00

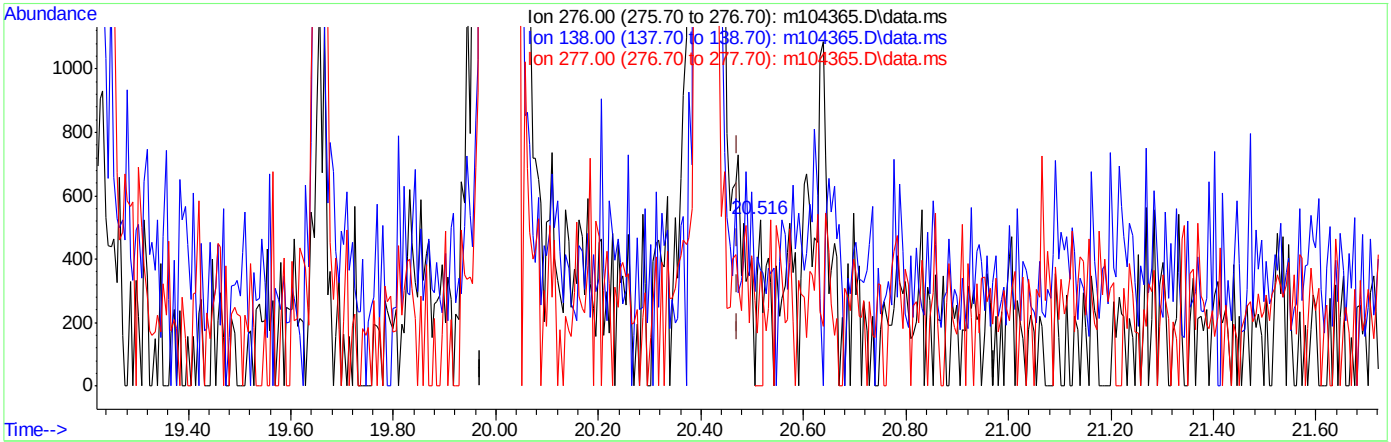
9.6.87.5

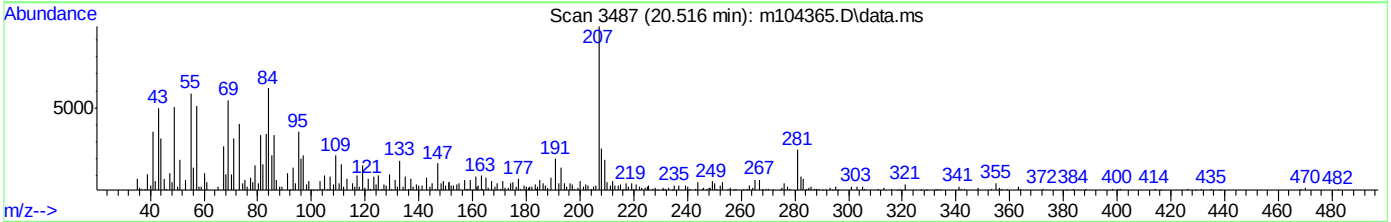
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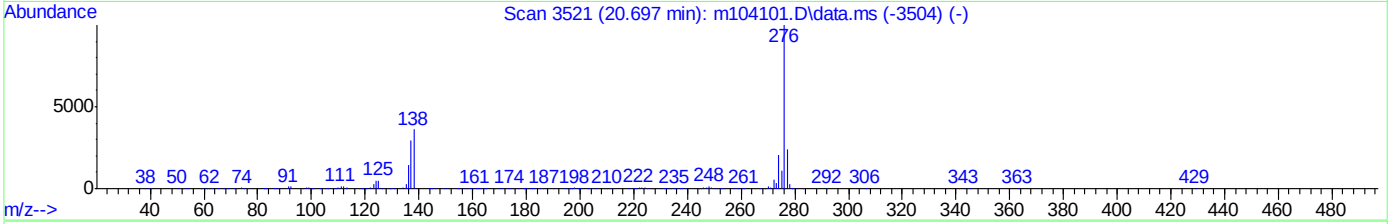
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(101) Benzo[g,h,i]perylene (t)

20.516min (+0.044) 0.01ppb

response 354

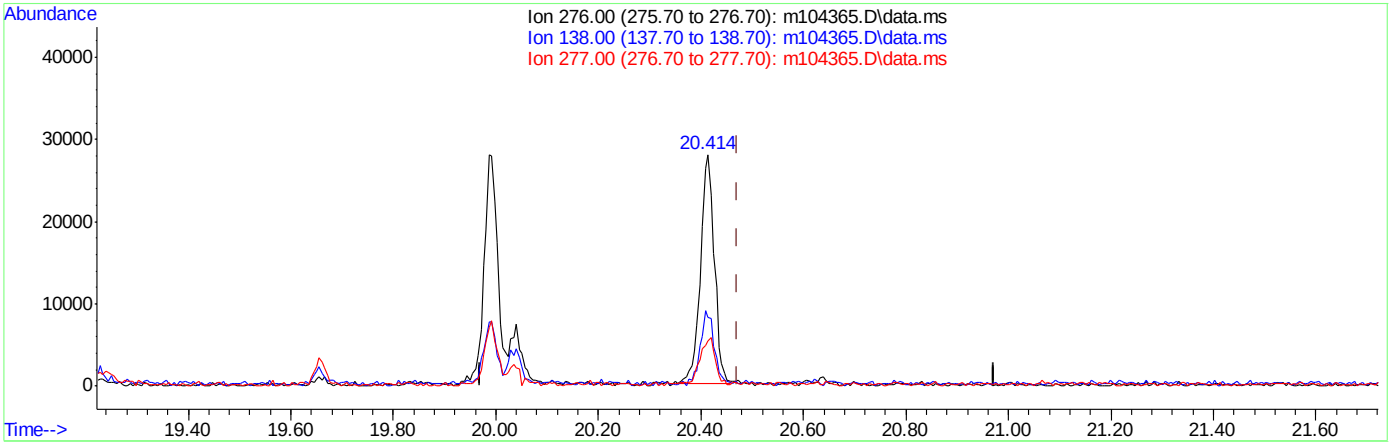
Ion	Exp%	Act%
276.00	100	100
138.00	26.60	9.16
277.00	23.70	20.76
0.00	0.00	0.00

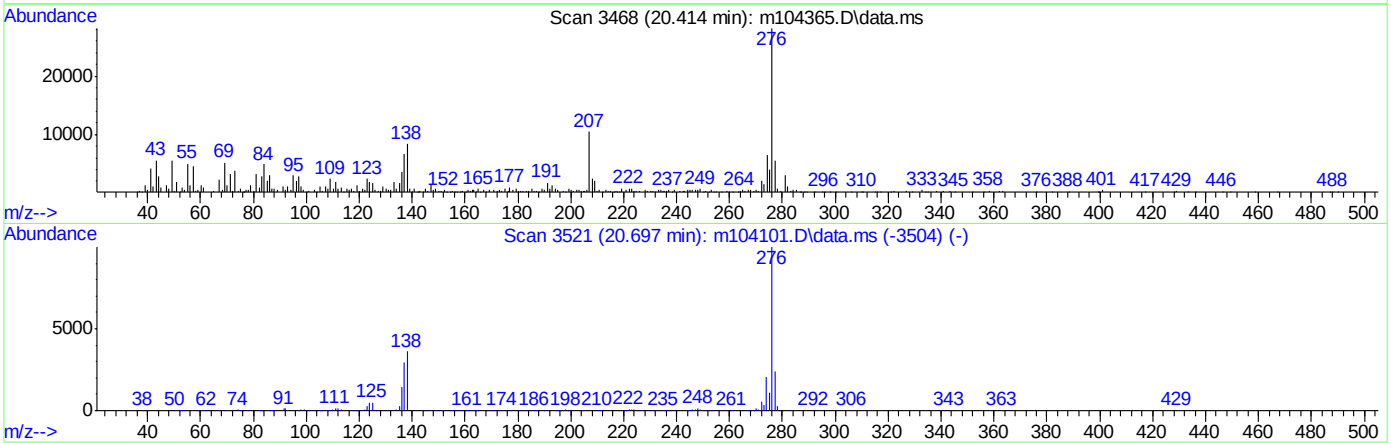
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration





TIC: m104365.D\data.ms

(101) Benzo[g,h,i]perylene (t)

20.414min (-0.057) 1.14ppb m

response 51797

Ion	Exp%	Act%
276.00	100	100
138.00	26.60	29.60
277.00	23.70	19.48
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	355086	40.00	ppb	0.00
24) Naphthalene-d8	5.687	136	1309971	40.00	ppb	0.00
47) Acenaphthene-d10	7.984	164	773038	40.00	ppb	0.00
69) Phenanthrene-d10	10.580	188	1277594	40.00	ppb	0.00
83) Chrysene-d12	15.735	240	1276646	40.00	ppb	0.00
92) Perylene-d12	18.342	264	1124250	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	355086	40.00	ppb	0.00
104) Acenaphthene-d10a	7.984	164	773038	40.00	ppb	0.00
107) Chrysene-d12a	15.735	240	1276646	40.00	ppb	0.00
110) Phenanthrene-d10a	10.580	188	1277594	40.00	ppb	0.00
112) Naphthalene-d8a	5.687	136	1309971	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	999515	82.33	ppb	0.00
Spiked Amount 50.000			Recovery = 164.66%			
8) Phenol-d5	4.335	99	1153638	79.98	ppb	0.00
Spiked Amount 50.000			Recovery = 159.96%			
25) Nitrobenzene-d5	5.024	82	1086698	81.28	ppb	0.00
Spiked Amount 50.000			Recovery = 162.56%			
51) 2-Fluorobiphenyl	6.990	172	1947786	81.49	ppb	0.00
Spiked Amount 50.000			Recovery = 162.98%			
73) 2,4,6-Tribromophenol	9.330	330	253283	85.20	ppb	0.00
Spiked Amount 50.000			Recovery = 170.40%			
86) Terphenyl-d14	13.748	244	2152362	83.77	ppb	0.00
Spiked Amount 50.000			Recovery = 167.54%			
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.097	88	504409	83.49	ppb	97
3) Pyridine	2.434	79	1321201	90.85	ppb	98
4) N-Nitrosodimethylamine	2.402	42	438982	81.88	ppb	98
6) Indene	4.779	116	1913779	91.58	ppb	100
7) Cumene	3.983	105	2775766	88.64	ppb	99
9) Phenol	4.346	94	1376564	83.35	ppb	92
10) Aniline	4.341	93	1311777	73.98	ppb	81
11) bis(2-Chloroethyl)ether	4.389	93	951530	79.91	ppb	99
12) 2-Chlorophenol	4.431	128	1035004	83.09	ppb	96
13) Decane	4.464	43	856421	84.28	ppb	96
14) 1,3-Dichlorobenzene	4.538	146	1087273	85.45	ppb	99
15) 1,4-Dichlorobenzene	4.592	146	1090659	81.76	ppb	98
16) Benzyl alcohol	4.699	108	655255	80.06	ppb	96
17) 1,2-Dichlorobenzene	4.715	146	994117	80.09	ppb	99
18) Acetophenone	4.902	105	1536617	87.13	ppb	100
19) 2-Methylphenol	4.795	108	891452	78.81	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.795	121	291786	79.65	ppb	93
21) 3&4-Methylphenol	4.918	108	989846	87.73	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.907	70	652842	78.32	ppb		98
23) Hexachloroethane	4.982	201	382697	86.48	ppb		92
26) Nitrobenzene	5.040	77	1152754	85.72	ppb		97
27) Quinoline	6.082	129	2272587	90.47	ppb		99
28) Isophorone	5.249	82	1934862	84.60	ppb		98
29) 2-Nitrophenol	5.324	139	532352	86.71	ppb		89
30) 2,4-Dimethylphenol	5.372	107	1002425	93.52	ppb		96
31) Benzoic acid	5.521	105	767704	93.48	ppb		98
32) bis(2-Chloroethoxy)met...	5.447	93	1117362	83.03	ppb		99
33) 2,4-Dichlorophenol	5.559	162	793016	84.90	ppb		99
34) 2,6-Dichlorophenol	5.783	162	759436	84.51	ppb		98
35) 1,3,5-Trichlorobenzene	5.334	180	998613	87.55	ppb		99
36) 1,2,4-Trichlorobenzene	5.633	180	861126	82.29	ppb		100
37) 1,2,3-Trichlorobenzene	5.863	180	963896	89.51	ppb		98
38) Naphthalene	5.708	128	2871722	83.15	ppb		100
39) 4-Chloroaniline	5.772	127	1171034	84.14	ppb		98
40) 2,3-Dichloroaniline	6.868	161	1093327	91.04	ppb		98
41) Caprolactam	6.189	55	461781	88.48	ppb		99
42) Hexachlorobutadiene	5.842	225	480302	85.06	ppb		98
43) 4-Chloro-3-methylphenol	6.349	107	923348	87.17	ppb		98
44) 2-Methylnaphthalene	6.499	141	1574284	84.62	ppb		99
45) 1-Methylnaphthalene	6.622	142	2056441	92.61	ppb		96
46) Dimethylnaphthalene	7.359	156	1876012	89.46	ppb		99
48) Hexachlorocyclopentadiene	6.707	237	1134638	203.40	ppb		99
49) 2,4,6-Trichlorophenol	6.889	196	583378	84.66	ppb		98
50) 2,4,5-Trichlorophenol	6.948	196	650992	85.89	ppb		99
52) 2-Chloronaphthalene	7.151	162	1743914	83.58	ppb		98
53) Biphenyl	7.129	154	2569498	88.00	ppb		99
54) 2-Nitroaniline	7.316	65	583333	82.64	ppb		98
55) Dimethylphthalate	7.605	163	1954440	82.62	ppb		99
56) Acenaphthylene	7.760	152	2876296	85.43	ppb		100
57) 2,6-Dinitrotoluene	7.690	165	473395	86.52	ppb		97
58) 3-Nitroaniline	7.952	138	541467	85.39	ppb		99
59) Acenaphthene	8.037	153	1734776	85.55	ppb		99
60) 2,4-Dinitrophenol	8.134	184	669142	259.93	ppb		97
61) 4-Nitrophenol	8.310	109	304998	89.90	ppb	#	70
62) Dibenzofuran	8.321	168	2424300	81.06	ppb		92
63) 2,4-Dinitrotoluene	8.347	165	645023	86.59	ppb		96
64) 2,3,4,6-Tetrachlorophenol	8.556	232	525970	88.59	ppb		98
65) Diethylphthalate	8.791	149	1919007	83.09	ppb		99
66) Fluorene	8.903	166	2020781	82.70	ppb		100
67) 4-Chlorophenyl-phenyle...	8.930	204	964456	83.81	ppb		99
68) 4-Nitroaniline	8.988	138	530827	87.20	ppb		97
70) 4,6-Dinitro-2-methylph...	9.052	198	437962	109.14	ppb		98
71) n-Nitrosodiphenylamine	9.154	169	1380728	83.57	ppb		98
72) 1,2-Diphenylhydrazine	9.213	77	2212555	84.76	ppb		100
74) 4-Bromophenyl-phenylether	9.800	248	536629	88.44	ppb		99
75) Hexachlorobenzene	9.891	284	550199	85.96	ppb		98
76) Pentachlorophenol	10.281	266	743411	193.76	ppb		99
77) Phenanthrene	10.628	178	2918420	82.78	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.719	178	3004139	83.91	ppb	99
79) Carbazole	11.072	167	3194175	89.73	ppb	100
80) Di-n-butylphthalate	11.878	149	3335948	88.00	ppb	99
81) Fluoranthene	12.904	202	3293278	83.63	ppb	99
82) Octadecane	10.591	57	1233279	86.71	ppb	100
84) Pyrene	13.331	202	3439864	82.25	ppb	100
85) Butyl stearate	15.057	56	788489	87.21	ppb	99
87) Butylbenzylphthalate	14.806	149	1477206	86.15	ppb	99
88) Benzo[a]anthracene	15.714	228	3068655	78.90	ppb	99
89) 3,3'-Dichlorobenzidine	15.746	252	1129713	86.60	ppb	99
90) Chrysene	15.789	228	2867130	83.20	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.024	149	2084845	83.92	ppb	100
93) Di-n-octylphthalate	17.247	149	3652450	86.94	ppb	99
94) Benzo[b]fluoranthene	17.717	252	3207285	86.97	ppb	99
95) Benzo[k]fluoranthene	17.771	252	2795921	81.50	ppb	99
96) Benzo[a]pyrene	18.252	252	2701166	81.83	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.025	276	2644687	82.21	ppb	99
98) Dibenz(a,h)acridine	19.683	279	2517065	92.38	ppb	100
99) Dibenz[a,h]anthracene	20.073	278	2456933	79.27	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.728	256	1644076	112.69	ppb	99
101) Benzo[g,h,i]perylene	20.458	276	2519012	78.07	ppb	99

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

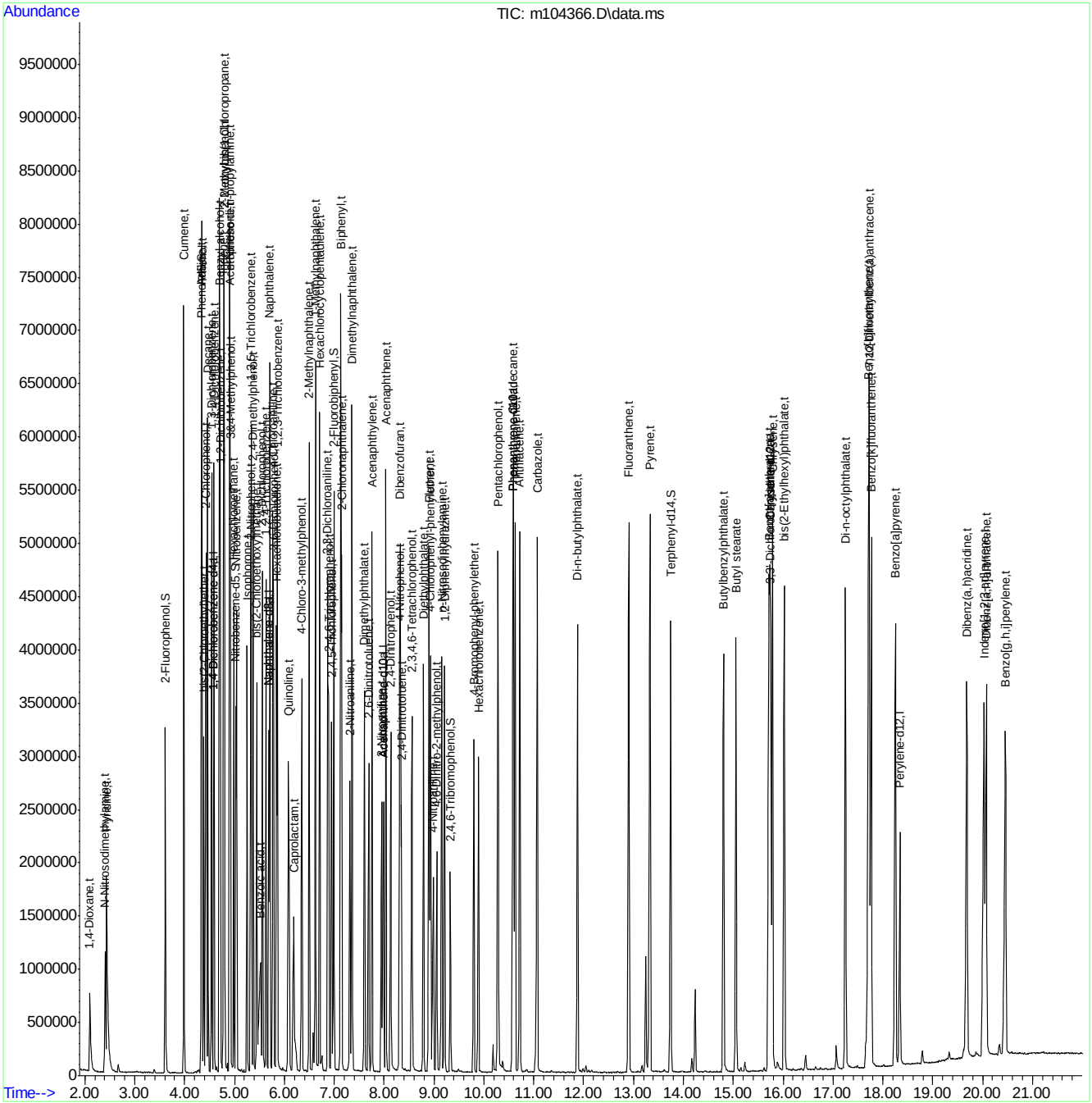
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	303296	40.00	ppb	0.00
24) Naphthalene-d8	5.686	136	1100049	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	648426	40.00	ppb	0.00
69) Phenanthrene-d10	10.574	188	1086989	40.00	ppb	0.00
83) Chrysene-d12	15.724	240	1075167	40.00	ppb	-0.01
92) Perylene-d12	18.337	264	997730	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	303296	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	648426	40.00	ppb	0.00
107) Chrysene-d12a	15.724	240	1075167	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.574	188	1086989	40.00	ppb	0.00
112) Naphthalene-d8a	5.686	136	1100049	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.608	112	545316	52.08	ppb	0.00
Spiked Amount 50.000			Recovery = 104.16%			
8) Phenol-d5	4.329	99	654576	53.13	ppb	0.00
Spiked Amount 50.000			Recovery = 106.26%			
25) Nitrobenzene-d5	5.024	82	586266	51.94	ppb	0.00
Spiked Amount 50.000			Recovery = 103.88%			
51) 2-Fluorobiphenyl	6.985	172	1050606	52.08	ppb	0.00
Spiked Amount 50.000			Recovery = 104.16%			
73) 2,4,6-Tribromophenol	9.324	330	139548	54.00	ppb	0.00
Spiked Amount 50.000			Recovery = 108.00%			
86) Terphenyl-d14	13.742	244	1167184	53.10	ppb	0.00
Spiked Amount 50.000			Recovery = 106.20%			
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.102	88	243165	46.44	ppb	97
3) Pyridine	2.433	79	634173	48.85	ppb	99
4) N-Nitrosodimethylamine	2.401	42	236189	51.18	ppb	98
6) Indene	4.778	116	932595	49.84	ppb	98
7) Cumene	3.982	105	1377609	49.72	ppb	99
9) Phenol	4.340	94	765973	53.55	ppb	64
10) Aniline	4.340	93	882759	59.79	ppb	63
11) bis(2-Chloroethyl)ether	4.383	93	509263	50.09	ppb	97
12) 2-Chlorophenol	4.431	128	559374	51.91	ppb	99
13) Decane	4.463	43	439910	49.80	ppb	99
14) 1,3-Dichlorobenzene	4.538	146	597243	53.73	ppb	99
15) 1,4-Dichlorobenzene	4.591	146	603862	52.61	ppb	97
16) Benzyl alcohol	4.693	108	369032	52.78	ppb	96
17) 1,2-Dichlorobenzene	4.709	146	562773	53.06	ppb	99
18) Acetophenone	4.896	105	765647	49.36	ppb	95
19) 2-Methylphenol	4.789	108	492457	51.22	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.794	121	159269	50.97	ppb	99
21) 3&4-Methylphenol	4.912	108	542614	54.55	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.901	70	378007	53.46	ppb		99
23) Hexachloroethane	4.981	201	211141	54.39	ppb		96
26) Nitrobenzene	5.040	77	633072	54.76	ppb		99
27) Quinoline	6.071	129	1077525	48.95	ppb		98
28) Isophorone	5.243	82	1073872	54.86	ppb		99
29) 2-Nitrophenol	5.318	139	288909	54.52	ppb		96
30) 2,4-Dimethylphenol	5.366	107	554923	58.36	ppb		100
31) Benzoic acid	5.494	105	440303	60.45	ppb		98
32) bis(2-Chloroethoxy)met...	5.441	93	609809	53.29	ppb		98
33) 2,4-Dichlorophenol	5.553	162	428449	53.53	ppb		97
34) 2,6-Dichlorophenol	5.777	162	418873	54.49	ppb		97
35) 1,3,5-Trichlorobenzene	5.328	180	492780	49.88	ppb		98
36) 1,2,4-Trichlorobenzene	5.628	180	471528	53.15	ppb		99
37) 1,2,3-Trichlorobenzene	5.863	180	475304	50.56	ppb		99
38) Naphthalene	5.708	128	1549694	52.74	ppb		99
39) 4-Chloroaniline	5.767	127	684887	57.61	ppb		98
40) 2,3-Dichloroaniline	6.867	161	531273	50.36	ppb		99
41) Caprolactam	6.162	55	218321	48.11	ppb		97
42) Hexachlorobutadiene	5.841	225	266462	55.03	ppb		97
43) 4-Chloro-3-methylphenol	6.338	107	499192	54.49	ppb		98
44) 2-Methylnaphthalene	6.493	141	869335	54.60	ppb		99
45) 1-Methylnaphthalene	6.616	142	996972	50.80	ppb		100
46) Dimethylnaphthalene	7.348	156	905943	49.49	ppb		96
48) Hexachlorocyclopentadiene	6.707	237	568900	111.50	ppb		98
49) 2,4,6-Trichlorophenol	6.878	196	317695	53.92	ppb		99
50) 2,4,5-Trichlorophenol	6.936	196	334736	51.39	ppb		99
52) 2-Chloronaphthalene	7.145	162	952088	53.60	ppb		98
53) Biphenyl	7.123	154	1243609	49.14	ppb		100
54) 2-Nitroaniline	7.305	65	315532	52.71	ppb		99
55) Dimethylphthalate	7.599	163	1035768	51.63	ppb		99
56) Acenaphthylene	7.754	152	1544296	53.47	ppb		98
57) 2,6-Dinitrotoluene	7.679	165	257085	54.53	ppb		99
58) 3-Nitroaniline	7.941	138	292345	53.76	ppb		100
59) Acenaphthene	8.032	153	930628	53.48	ppb		96
60) 2,4-Dinitrophenol	8.122	184	320176	122.73	ppb		99
61) 4-Nitrophenol	8.299	109	161749	54.59	ppb	#	40
62) Dibenzofuran	8.315	168	1339894	53.17	ppb		89
63) 2,4-Dinitrotoluene	8.336	165	349451	54.43	ppb		100
64) 2,3,4,6-Tetrachlorophenol	8.550	232	275707	53.45	ppb		99
65) Diethylphthalate	8.779	149	1032874	52.64	ppb		99
66) Fluorene	8.892	166	1095648	52.86	ppb		99
67) 4-Chlorophenyl-phenyle...	8.924	204	512228	52.24	ppb		98
68) 4-Nitroaniline	8.972	138	291597	55.44	ppb		95
70) 4,6-Dinitro-2-methylph...	9.041	198	221393	57.82	ppb		98
71) n-Nitrosodiphenylamine	9.143	169	738447	51.76	ppb		98
72) 1,2-Diphenylhydrazine	9.202	77	1214308	53.61	ppb		97
74) 4-Bromophenyl-phenylether	9.794	248	286446	53.60	ppb		99
75) Hexachlorobenzene	9.885	284	295716	52.99	ppb		97
76) Pentachlorophenol	10.275	266	387746	110.98	ppb		97
77) Phenanthrene	10.617	178	1564221	51.55	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration

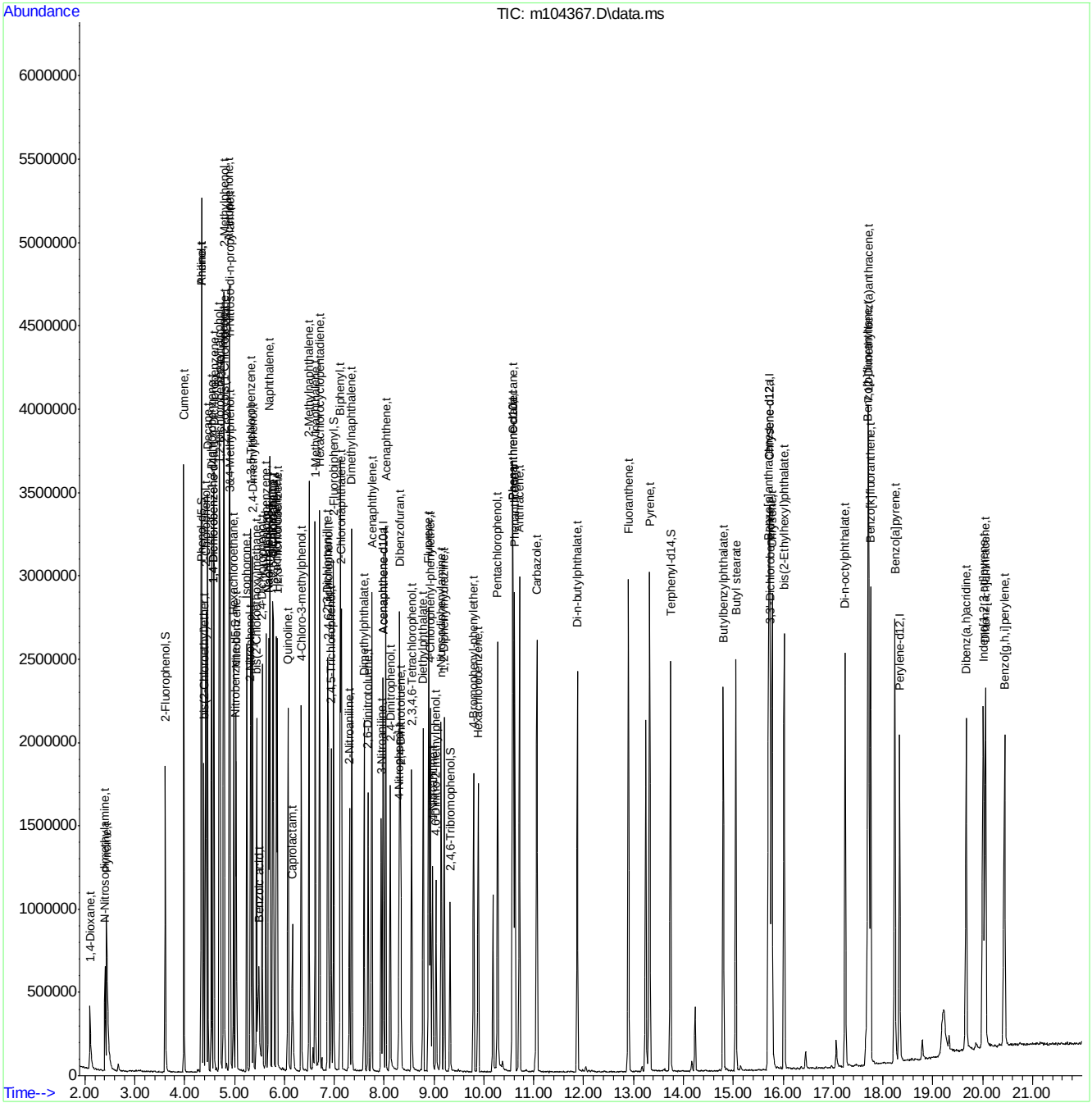
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.713	178	1637163	52.89	ppb	99
79) Carbazole	11.061	167	1527137	48.46	ppb	99
80) Di-n-butylphthalate	11.873	149	1748820	52.47	ppb	100
81) Fluoranthene	12.898	202	1754940	51.60	ppb	99
82) Octadecane	10.585	57	623498	50.12	ppb	98
84) Pyrene	13.320	202	1841246	51.79	ppb	99
85) Butyl stearate	15.051	56	457645	58.35	ppb	97
87) Butylbenzylphthalate	14.800	149	792908	53.53	ppb	99
88) Benzo[a]anthracene	15.708	228	1645184	50.46	ppb	99
89) 3,3'-Dichlorobenzidine	15.740	252	611872	54.20	ppb	99
90) Chrysene	15.778	228	1538300	52.31	ppb	100
91) bis(2-Ethylhexyl)phtha...	16.018	149	1116437	52.50	ppb	99
93) Di-n-octylphthalate	17.241	149	1940955	50.59	ppb	98
94) Benzo[b]fluoranthene	17.701	252	1665991	49.47	ppb	97
95) Benzo[k]fluoranthene	17.754	252	1551261	50.64	ppb	99
96) Benzo[a]pyrene	18.240	252	1487927	50.41	ppb	100
97) Indeno[1,2,3-cd]pyrene	20.014	276	1459258	50.65	ppb	99
98) Dibenz(a,h)acridine	19.672	279	1250440	49.18	ppb	98
99) Dibenz[a,h]anthracene	20.057	278	1397381	50.96	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.712	256	803667	54.63	ppb	99
101) Benzo[g,h,i]perylene	20.441	276	1437857	50.62	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	298510	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1092224	40.00	ppb	0.00
47) Acenaphthene-d10	7.979	164	638905	40.00	ppb	0.00
69) Phenanthrene-d10	10.570	188	1072150	40.00	ppb	0.00
83) Chrysene-d12	15.720	240	1065345	40.00	ppb	0.00
92) Perylene-d12	18.332	264	990977	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	298510	40.00	ppb	0.00
104) Acenaphthene-d10a	7.979	164	638905	40.00	ppb	0.00
107) Chrysene-d12a	15.720	240	1065345	40.00	ppb	0.00
110) Phenanthrene-d10a	10.570	188	1072150	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1092224	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	273028	26.22	ppb	0.00
Spiked Amount 50.000			Recovery = 52.44%			
8) Phenol-d5	4.330	99	340325	27.63	ppb	0.00
Spiked Amount 50.000			Recovery = 55.26%			
25) Nitrobenzene-d5	5.019	82	296692	26.22	ppb	0.00
Spiked Amount 50.000			Recovery = 52.44%			
51) 2-Fluorobiphenyl	6.985	172	532601	26.52	ppb	0.00
Spiked Amount 50.000			Recovery = 53.04%			
73) 2,4,6-Tribromophenol	9.320	330	66785	25.69	ppb	0.00
Spiked Amount 50.000			Recovery = 51.38%			
86) Terphenyl-d14	13.738	244	578888	26.17	ppb	0.00
Spiked Amount 50.000			Recovery = 52.34%			
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.102	88	120924	23.89	ppb	98
3) Pyridine	2.439	79	320920	25.26	ppb	98
4) N-Nitrosodimethylamine	2.402	42	117066	25.62	ppb	97
6) Indene	4.779	116	479842	26.08	ppb	97
7) Cumene	3.983	105	702483	25.79	ppb	99
9) Phenol	4.341	94	402148	28.07	ppb	92
10) Aniline	4.335	93	465717	30.55	ppb	87
11) bis(2-Chloroethyl)ether	4.384	93	262108	26.18	ppb	96
12) 2-Chlorophenol	4.432	128	284499	26.57	ppb	97
13) Decane	4.464	43	231079	26.60	ppb	99
14) 1,3-Dichlorobenzene	4.538	146	308762	27.71	ppb	98
15) 1,4-Dichlorobenzene	4.592	146	308328	26.94	ppb	99
16) Benzyl alcohol	4.688	108	191827	27.49	ppb	99
17) 1,2-Dichlorobenzene	4.709	146	284026	26.80	ppb	97
18) Acetophenone	4.896	105	392157	25.77	ppb	98
19) 2-Methylphenol	4.790	108	255367	26.82	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.790	121	82178	26.59	ppb	89
21) 3&4-Methylphenol	4.907	108	276144	27.58	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.896	70	200729	28.35	ppb		97
23) Hexachloroethane	4.982	201	107198	27.46	ppb		96
26) Nitrobenzene	5.035	77	317130	26.98	ppb		100
27) Quinoline	6.066	129	529954	24.37	ppb		99
28) Isophorone	5.244	82	545825	27.42	ppb		96
29) 2-Nitrophenol	5.318	139	145751	27.09	ppb		94
30) 2,4-Dimethylphenol	5.361	107	279981	28.47	ppb		98
31) Benzoic acid	5.473	105	213542	28.06	ppb		97
32) bis(2-Chloroethoxy)met...	5.441	93	303725	26.30	ppb		99
33) 2,4-Dichlorophenol	5.553	162	216196	26.73	ppb		98
34) 2,6-Dichlorophenol	5.778	162	212814	27.27	ppb		98
35) 1,3,5-Trichlorobenzene	5.329	180	255936	26.11	ppb		98
36) 1,2,4-Trichlorobenzene	5.628	180	236430	26.43	ppb		97
37) 1,2,3-Trichlorobenzene	5.858	180	234758	25.08	ppb		99
38) Naphthalene	5.703	128	785629	26.57	ppb		99
39) 4-Chloroaniline	5.762	127	342877	27.98	ppb		96
40) 2,3-Dichloroaniline	6.862	161	273714	26.09	ppb		99
41) Caprolactam	6.141	55	110806	24.83	ppb		94
42) Hexachlorobutadiene	5.842	225	135481	27.49	ppb		99
43) 4-Chloro-3-methylphenol	6.333	107	250357	26.92	ppb		97
44) 2-Methylnaphthalene	6.494	141	437897	27.08	ppb		99
45) 1-Methylnaphthalene	6.617	142	504657	25.79	ppb		96
46) Dimethylnaphthalene	7.348	156	465135	25.66	ppb		99
48) Hexachlorocyclopentadiene	6.702	237	274249	53.03	ppb		98
49) 2,4,6-Trichlorophenol	6.878	196	157852	26.67	ppb		98
50) 2,4,5-Trichlorophenol	6.932	196	166679	25.79	ppb		99
52) 2-Chloronaphthalene	7.140	162	486080	27.28	ppb		98
53) Biphenyl	7.119	154	625331	25.18	ppb		98
54) 2-Nitroaniline	7.300	65	156699	26.21	ppb		99
55) Dimethylphthalate	7.594	163	520864	26.14	ppb		99
56) Acenaphthylene	7.749	152	775186	26.78	ppb		99
57) 2,6-Dinitrotoluene	7.674	165	126817	26.70	ppb		98
58) 3-Nitroaniline	7.936	138	146521	26.84	ppb		91
59) Acenaphthene	8.027	153	467691	26.81	ppb		100
60) 2,4-Dinitrophenol	8.112	184	148566	54.69	ppb		94
61) 4-Nitrophenol	8.289	109	79471	26.61	ppb	#	81
62) Dibenzofuran	8.310	168	691570	27.42	ppb		100
63) 2,4-Dinitrotoluene	8.331	165	173637	26.85	ppb		90
64) 2,3,4,6-Tetrachlorophenol	8.550	232	135991	26.30	ppb		97
65) Diethylphthalate	8.775	149	516557	26.37	ppb		99
66) Fluorene	8.892	166	552240	26.66	ppb		99
67) 4-Chlorophenyl-phenyle...	8.924	204	258200	26.43	ppb		95
68) 4-Nitroaniline	8.962	138	140822	26.45	ppb		97
70) 4,6-Dinitro-2-methylph...	9.031	198	105581	26.90	ppb		95
71) n-Nitrosodiphenylamine	9.138	169	373929	26.34	ppb		98
72) 1,2-Diphenylhydrazine	9.197	77	615758	27.07	ppb		98
74) 4-Bromophenyl-phenylether	9.790	248	142545	26.56	ppb		96
75) Hexachlorobenzene	9.881	284	148483	26.58	ppb		99
76) Pentachlorophenol	10.271	266	182156	51.44	ppb		99
77) Phenanthrene	10.612	178	791740	26.25	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration

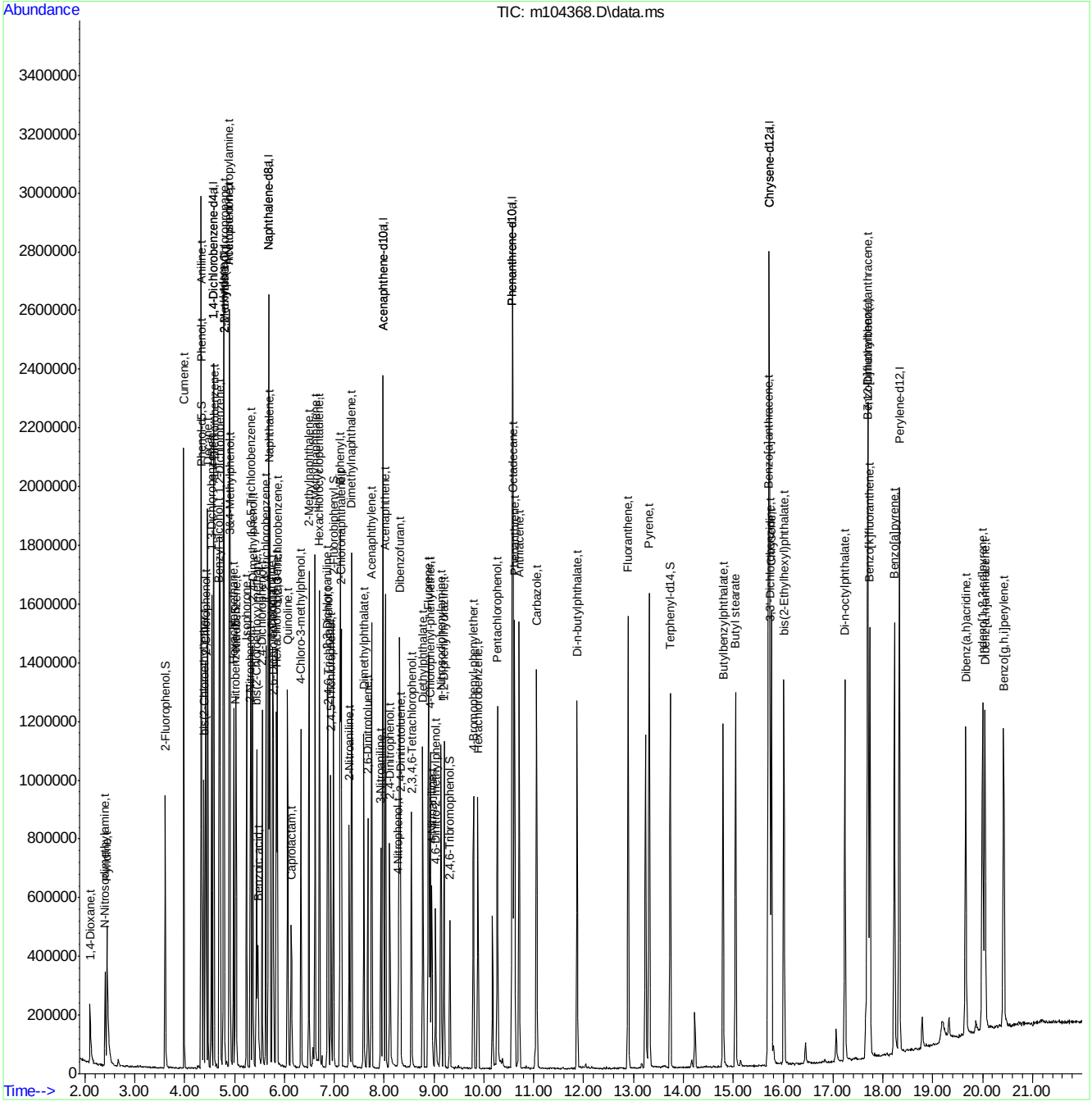
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.709	178	824732	26.63	ppb	100
79) Carbazole	11.056	167	762149	24.71	ppb	99
80) Di-n-butylphthalate	11.868	149	878327	26.39	ppb	100
81) Fluoranthene	12.894	202	884378	26.15	ppb	99
82) Octadecane	10.586	57	317467	25.86	ppb	100
84) Pyrene	13.316	202	935224	26.31	ppb	99
85) Butyl stearate	15.046	56	231948	28.65	ppb	99
87) Butylbenzylphthalate	14.795	149	396259	26.53	ppb	97
88) Benzo[a]anthracene	15.704	228	822252	25.39	ppb	99
89) 3,3'-Dichlorobenzidine	15.736	252	305842	26.78	ppb	98
90) Chrysene	15.768	228	765472	25.97	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.013	149	549749	25.77	ppb	98
93) Di-n-octylphthalate	17.237	149	956388	25.03	ppb	99
94) Benzo[b]fluoranthene	17.691	252	831173	24.91	ppb	99
95) Benzo[k]fluoranthene	17.739	252	784436	25.76	ppb	99
96) Benzo[a]pyrene	18.230	252	741996	25.26	ppb	99
97) Indeno[1,2,3-cd]pyrene	19.999	276	716955	24.97	ppb	96
98) Dibenz(a,h)acridine	19.662	279	619050	24.61	ppb	98
99) Dibenz[a,h]anthracene	20.047	278	693153	25.33	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.701	256	398916	26.68	ppb	97
101) Benzo[g,h,i]perylene	20.426	276	714749	25.26	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	358368	40.00	ppb	0.00
24) Naphthalene-d8	5.680	136	1289521	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	744904	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1284863	40.00	ppb	0.00
83) Chrysene-d12	15.718	240	1295289	40.00	ppb	0.00
92) Perylene-d12	18.331	264	1138186	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	358368	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	744904	40.00	ppb	0.00
107) Chrysene-d12a	15.718	240	1295289	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1284863	40.00	ppb	0.00
112) Naphthalene-d8a	5.680	136	1289521	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.608	112	126096	9.99	ppb	0.00
Spiked Amount 50.000			Recovery =	19.98%		
8) Phenol-d5	4.329	99	163089	10.80	ppb	0.00
Spiked Amount 50.000			Recovery =	21.60%		
25) Nitrobenzene-d5	5.018	82	144091	10.68	ppb	0.00
Spiked Amount 50.000			Recovery =	21.36%		
51) 2-Fluorobiphenyl	6.984	172	252250	10.64	ppb	0.00
Spiked Amount 50.000			Recovery =	21.28%		
73) 2,4,6-Tribromophenol	9.318	330	31844	10.16	ppb	0.00
Spiked Amount 50.000			Recovery =	20.32%		
86) Terphenyl-d14	13.731	244	275123	10.14	ppb	0.00
Spiked Amount 50.000			Recovery =	20.28%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.107	88	66770	11.09	ppb	97
3) Pyridine	2.449	79	174722	11.43	ppb	98
4) N-Nitrosodimethylamine	2.406	42	56059	10.17	ppb	99
6) Indene	4.778	116	265442	11.91	ppb	97
7) Cumene	3.987	105	384125	11.67	ppb	99
9) Phenol	4.340	94	195665	11.10	ppb	96
10) Aniline	4.334	93	211354	11.06	ppb	91
11) bis(2-Chloroethyl)ether	4.382	93	128283	10.57	ppb	96
12) 2-Chlorophenol	4.430	128	139240	10.70	ppb	99
13) Decane	4.462	43	128250	12.14	ppb	99
14) 1,3-Dichlorobenzene	4.537	146	144794	10.59	ppb	98
15) 1,4-Dichlorobenzene	4.591	146	149328	10.70	ppb	98
16) Benzyl alcohol	4.687	108	91759	10.74	ppb	96
17) 1,2-Dichlorobenzene	4.708	146	141737	10.98	ppb	98
18) Acetophenone	4.895	105	218033	11.86	ppb	99
19) 2-Methylphenol	4.788	108	129791	11.19	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.794	121	41794	11.12	ppb	99
21) 3&4-Methylphenol	4.906	108	136922	11.16	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.895	70	99265	11.37	ppb		95
23) Hexachloroethane	4.981	201	51313	10.74	ppb		97
26) Nitrobenzene	5.034	77	153711	10.90	ppb		98
27) Quinoline	6.060	129	291100	11.40	ppb		99
28) Isophorone	5.237	82	258489	10.79	ppb		99
29) 2-Nitrophenol	5.317	139	68938	10.67	ppb		97
30) 2,4-Dimethylphenol	5.360	107	119788	10.04	ppb		99
31) Benzoic acid	5.451	105	95650	10.39	ppb		92
32) bis(2-Chloroethoxy)met...	5.440	93	150816	10.95	ppb		98
33) 2,4-Dichlorophenol	5.552	162	103890	10.73	ppb		97
34) 2,6-Dichlorophenol	5.777	162	100671	10.73	ppb		97
35) 1,3,5-Trichlorobenzene	5.328	180	137446	11.77	ppb		97
36) 1,2,4-Trichlorobenzene	5.627	180	113357	10.61	ppb		96
37) 1,2,3-Trichlorobenzene	5.857	180	129547	11.71	ppb		99
38) Naphthalene	5.702	128	382247	10.81	ppb		99
39) 4-Chloroaniline	5.761	127	159792	10.79	ppb		96
40) 2,3-Dichloroaniline	6.861	161	144397	11.56	ppb		98
41) Caprolactam	6.129	55	58937	11.20	ppb		96
42) Hexachlorobutadiene	5.841	225	63396	10.68	ppb		98
43) 4-Chloro-3-methylphenol	6.332	107	119996	10.76	ppb		94
44) 2-Methylnaphthalene	6.492	141	213330	10.99	ppb		98
45) 1-Methylnaphthalene	6.615	142	269781	11.61	ppb		99
46) Dimethylnaphthalene	7.347	156	250090	11.62	ppb		98
48) Hexachlorocyclopentadiene	6.706	237	124632	20.42	ppb		100
49) 2,4,6-Trichlorophenol	6.877	196	76387	10.92	ppb		98
50) 2,4,5-Trichlorophenol	6.931	196	79788	10.52	ppb		97
52) 2-Chloronaphthalene	7.139	162	232902	11.01	ppb		100
53) Biphenyl	7.118	154	342386	11.81	ppb		98
54) 2-Nitroaniline	7.299	65	73583	10.46	ppb		94
55) Dimethylphthalate	7.593	163	250244	10.67	ppb		99
56) Acenaphthylene	7.748	152	375057	10.96	ppb		99
57) 2,6-Dinitrotoluene	7.673	165	60325	10.75	ppb		98
58) 3-Nitroaniline	7.930	138	66332	10.27	ppb		85
59) Acenaphthene	8.026	153	230540	11.17	ppb		97
60) 2,4-Dinitrophenol	8.111	184	60178	18.65	ppb		97
61) 4-Nitrophenol	8.287	109	37367	10.59	ppb	#	81
62) Dibenzofuran	8.309	168	322110	10.75	ppb		99
63) 2,4-Dinitrotoluene	8.325	165	79118	10.34	ppb		98
64) 2,3,4,6-Tetrachlorophenol	8.544	232	63110	10.36	ppb		95
65) Diethylphthalate	8.774	149	246571	10.68	ppb		96
66) Fluorene	8.886	166	266351	10.88	ppb		97
67) 4-Chlorophenyl-phenyle...	8.923	204	128596	11.16	ppb		97
68) 4-Nitroaniline	8.950	138	65548	10.44	ppb		96
70) 4,6-Dinitro-2-methylph...	9.030	198	46141	9.66	ppb		98
71) n-Nitrosodiphenylamine	9.137	169	182913	10.64	ppb		97
72) 1,2-Diphenylhydrazine	9.196	77	296449	10.70	ppb		99
74) 4-Bromophenyl-phenylether	9.789	248	71136	10.93	ppb		97
75) Hexachlorobenzene	9.879	284	72119	10.64	ppb		96
76) Pentachlorophenol	10.269	266	86089	20.17	ppb		96
77) Phenanthrene	10.611	178	383960	10.52	ppb		98

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration

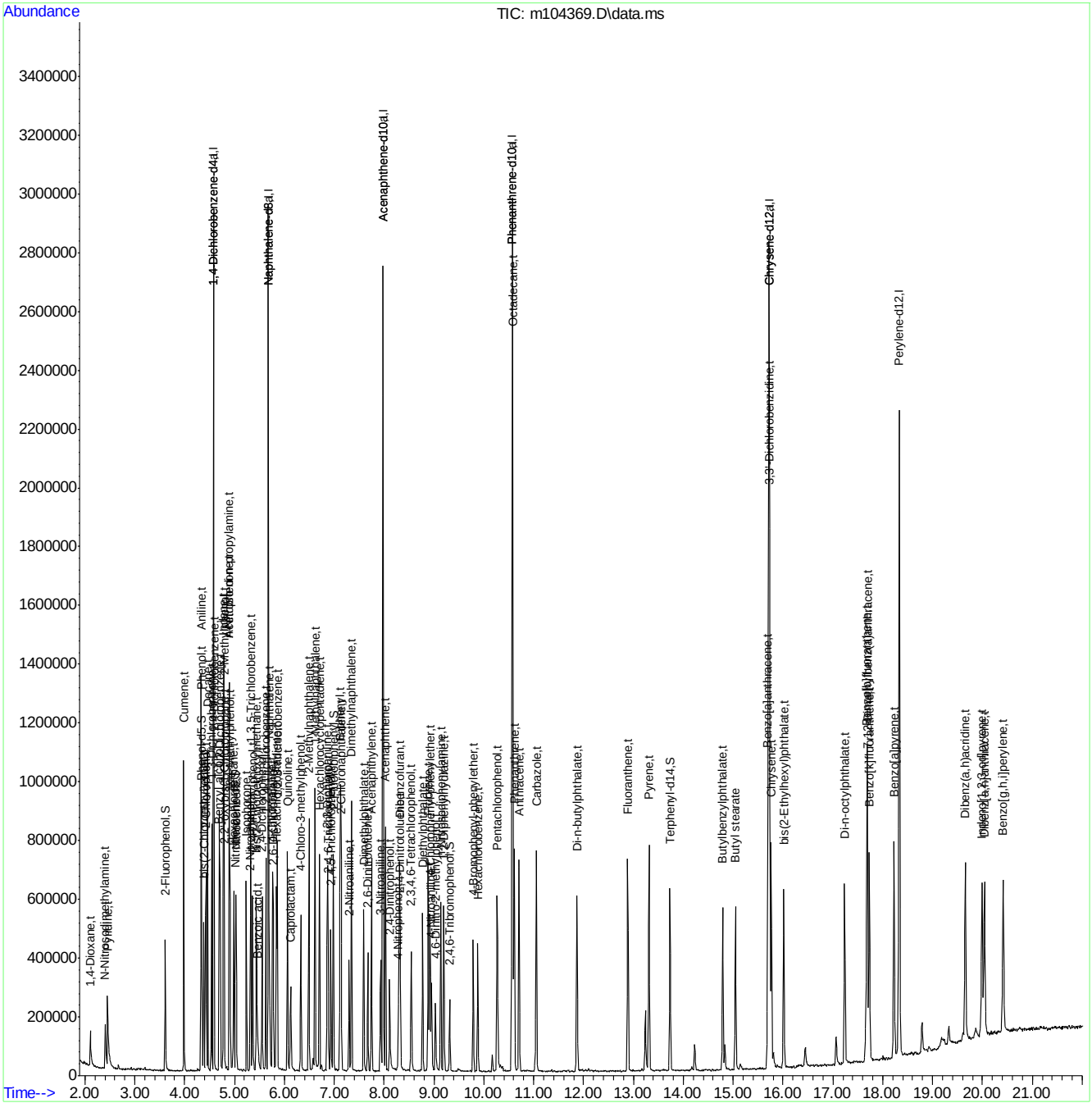
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	10.707	178	390320	10.38	ppb	98
79)	Carbazole	11.055	167	417405	11.32	ppb	98
80)	Di-n-butylphthalate	11.867	149	426959	10.59	ppb	98
81)	Fluoranthene	12.887	202	423278	10.35	ppb	99
82)	Octadecane	10.579	57	170185	11.49	ppb	99
84)	Pyrene	13.314	202	448540	10.27	ppb	99
85)	Butyl stearate	15.045	56	107056	10.57	ppb	98
87)	Butylbenzylphthalate	14.794	149	188697	10.27	ppb	96
88)	Benzo[a]anthracene	15.697	228	395100	10.00	ppb	99
89)	3,3'-Dichlorobenzidine	15.729	252	142202	10.10	ppb	96
90)	Chrysene	15.761	228	368740	10.21	ppb	96
91)	bis(2-Ethylhexyl)phtha...	16.012	149	264099	10.12	ppb	95
93)	Di-n-octylphthalate	17.236	149	457244	10.42	ppb	99
94)	Benzo[b]fluoranthene	17.684	252	400409	10.46	ppb	100
95)	Benzo[k]fluoranthene	17.732	252	378010	10.74	ppb	96
96)	Benzo[a]pyrene	18.224	252	352437	10.42	ppb	97
97)	Indeno[1,2,3-cd]pyrene	19.992	276	340836	10.34	ppb	93
98)	Dibenz(a,h)acridine	19.656	279	331487	11.51	ppb	78
99)	Dibenz[a,h]anthracene	20.040	278	331464	10.52	ppb	99
100)	7,12-Dimethylbenz(a)an...	17.695	256	152602	8.77	ppb	99
101)	Benzo[g,h,i]perylene	20.414	276	354401	10.88	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

M104370.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya 05/14/14 10:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	358313	40.00	ppb	0.00
24) Naphthalene-d8	5.684	136	1298025	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	746145	40.00	ppb	0.00
69) Phenanthrene-d10	10.572	188	1297093	40.00	ppb	0.00
83) Chrysene-d12	15.716	240	1321772	40.00	ppb	0.00
92) Perylene-d12	18.334	264	1155060	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	358313	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	746145	40.00	ppb	0.00
107) Chrysene-d12a	15.716	240	1321772	40.00	ppb	0.00
110) Phenanthrene-d10a	10.572	188	1297093	40.00	ppb	0.00
112) Naphthalene-d8a	5.684	136	1298025	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.611	112	66505	5.34	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.68%	
8) Phenol-d5	4.327	99	85683	5.77	ppb	0.00
Spiked Amount 50.000			Recovery	=	11.54%	
25) Nitrobenzene-d5	5.016	82	74173	5.52	ppb	0.00
Spiked Amount 50.000			Recovery	=	11.04%	
51) 2-Fluorobiphenyl	6.982	172	134203	5.73	ppb	0.00
Spiked Amount 50.000			Recovery	=	11.46%	
73) 2,4,6-Tribromophenol	9.316	330	16026	5.13	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.26%	
86) Terphenyl-d14	13.734	244	143130	5.24	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.48%	
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						Qvalue
2) 1,4-Dioxane	2.110	88	33872	5.66	ppb	92
3) Pyridine	2.457	79	88405	5.98	ppb	94
4) N-Nitrosodimethylamine	2.409	42	31213	5.71	ppb	91
6) Indene	4.775	116	142951	6.68	ppb	97
7) Cumene	3.985	105	200838	6.29	ppb	97
9) Phenol	4.337	94	101500m	5.92	ppb	
10) Aniline	4.337	93	118051	6.25	ppb	73
11) bis(2-Chloroethyl)ether	4.380	93	69483	5.78	ppb	99
12) 2-Chlorophenol	4.428	128	73464	5.75	ppb	93
13) Decane	4.460	43	69561	6.75	ppb	90
14) 1,3-Dichlorobenzene	4.535	146	76849	5.79	ppb	95
15) 1,4-Dichlorobenzene	4.594	146	77605	5.65	ppb	96
16) Benzyl alcohol	4.690	108	46561	5.53	ppb	96
17) 1,2-Dichlorobenzene	4.711	146	73864	5.78	ppb	98
18) Acetophenone	4.893	105	111503	6.23	ppb	95
19) 2-Methylphenol	4.786	108	68830	5.99	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.791	121	23224	6.24	ppb	99
21) 3&4-Methylphenol	4.909	108	66421	5.60	ppb	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22)	n-Nitroso-di-n-propyla...	4.893	70	53187	6.20	ppb		91
23)	Hexachloroethane	4.978	201	27977	6.03	ppb		84
26)	Nitrobenzene	5.032	77	80598	5.81	ppb		98
27)	Quinoline	6.063	129	154130	6.15	ppb		98
28)	Isophorone	5.240	82	137616	5.84	ppb		100
29)	2-Nitrophenol	5.315	139	35778	5.65	ppb		95
30)	2,4-Dimethylphenol	5.363	107	62411	5.45	ppb		94
31)	Benzoic acid	5.443	105	43374	4.88	ppb		92
32)	bis(2-Chloroethoxy)met...	5.438	93	79402	5.80	ppb		99
33)	2,4-Dichlorophenol	5.550	162	51926	5.44	ppb		96
34)	2,6-Dichlorophenol	5.774	162	53148	5.76	ppb		98
35)	1,3,5-Trichlorobenzene	5.326	180	74670	6.54	ppb		96
36)	1,2,4-Trichlorobenzene	5.625	180	61408	5.78	ppb		95
37)	1,2,3-Trichlorobenzene	5.860	180	68167	6.28	ppb		97
38)	Naphthalene	5.705	128	200416	5.73	ppb		98
39)	4-Chloroaniline	5.764	127	84717	5.81	ppb		97
40)	2,3-Dichloroaniline	6.864	161	76373	6.31	ppb		95
41)	Caprolactam	6.122	55	30558	5.92	ppb		94
42)	Hexachlorobutadiene	5.838	225	32152	5.52	ppb		96
43)	4-Chloro-3-methylphenol	6.330	107	61453	5.63	ppb		97
44)	2-Methylnaphthalene	6.490	141	109735	5.74	ppb		96
45)	1-Methylnaphthalene	6.613	142	143861	6.39	ppb		97
46)	Dimethylnaphthalene	7.345	156	132227	6.30	ppb		97
48)	Hexachlorocyclopentadiene	6.704	237	60830	10.54	ppb		99
49)	2,4,6-Trichlorophenol	6.875	196	40083	5.83	ppb		96
50)	2,4,5-Trichlorophenol	6.928	196	42317	5.68	ppb		97
52)	2-Chloronaphthalene	7.137	162	125604	6.06	ppb		99
53)	Biphenyl	7.121	154	176768	6.24	ppb		98
54)	2-Nitroaniline	7.297	65	37901	5.44	ppb		93
55)	Dimethylphthalate	7.591	163	132869	5.74	ppb		99
56)	Acenaphthylene	7.746	152	194390	5.80	ppb		99
57)	2,6-Dinitrotoluene	7.671	165	31334	5.70	ppb		97
58)	3-Nitroaniline	7.927	138	34890	5.52	ppb		97
59)	Acenaphthene	8.023	153	119154	5.90	ppb		94
60)	2,4-Dinitrophenol	8.114	184	24434	8.47	ppb		81
61)	4-Nitrophenol	8.290	109	18606	5.43	ppb	#	31
62)	Dibenzofuran	8.307	168	171647	5.81	ppb		92
63)	2,4-Dinitrotoluene	8.328	165	41713	5.58	ppb		100
64)	2,3,4,6-Tetrachlorophenol	8.547	232	32657	5.50	ppb		92
65)	Diethylphthalate	8.771	149	131435	5.77	ppb		100
66)	Fluorene	8.889	166	135882	5.63	ppb		97
67)	4-Chlorophenyl-phenyle...	8.921	204	68157	6.01	ppb		98
68)	4-Nitroaniline	8.948	138	33128	5.38	ppb		92
70)	4,6-Dinitro-2-methylph...	9.028	198	20187	4.51	ppb		98
71)	n-Nitrosodiphenylamine	9.135	169	92664	5.43	ppb		97
72)	1,2-Diphenylhydrazine	9.193	77	154860	5.67	ppb		94
74)	4-Bromophenyl-phenylether	9.786	248	35971	5.63	ppb		96
75)	Hexachlorobenzene	9.877	284	37960	5.68	ppb		97
76)	Pentachlorophenol	10.272	266	41938	10.13	ppb		91
77)	Phenanthrene	10.609	178	203036	5.59	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.705	178	204143	5.48	ppb	97
79) Carbazole	11.052	167	216490	5.97	ppb	99
80) Di-n-butylphthalate	11.864	149	217394	5.49	ppb	99
81) Fluoranthene	12.890	202	220006	5.42	ppb	98
82) Octadecane	10.582	57	92408	6.34	ppb	93
84) Pyrene	13.312	202	237591	5.41	ppb	97
85) Butyl stearate	15.043	56	53198	5.32	ppb	95
87) Butylbenzylphthalate	14.792	149	96824	5.28	ppb	95
88) Benzo[a]anthracene	15.700	228	207365	5.14	ppb	98
89) 3,3'-Dichlorobenzidine	15.732	252	75433	5.38	ppb	97
90) Chrysene	15.759	228	199158	5.47	ppb	97
91) bis(2-Ethylhexyl)phtha...	16.015	149	138676	5.27	ppb	99
93) Di-n-octylphthalate	17.233	149	234424	5.36	ppb	97
94) Benzo[b]fluoranthene	17.682	252	209491	5.50	ppb	97
95) Benzo[k]fluoranthene	17.730	252	198372	5.61	ppb	97
96) Benzo[a]pyrene	18.222	252	181473	5.32	ppb	95
97) Indeno[1,2,3-cd]pyrene	19.990	276	179934	5.40	ppb	96
98) Dibenz(a,h)acridine	19.653	279	171145	6.04	ppb	76
99) Dibenz[a,h]anthracene	20.038	278	164713	5.15	ppb	99
100) 7,12-Dimethylbenz(a)an...	17.687	256	69188	4.27	ppb	95
101) Benzo[g,h,i]perylene	20.412	276	183160	5.52	ppb	97

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

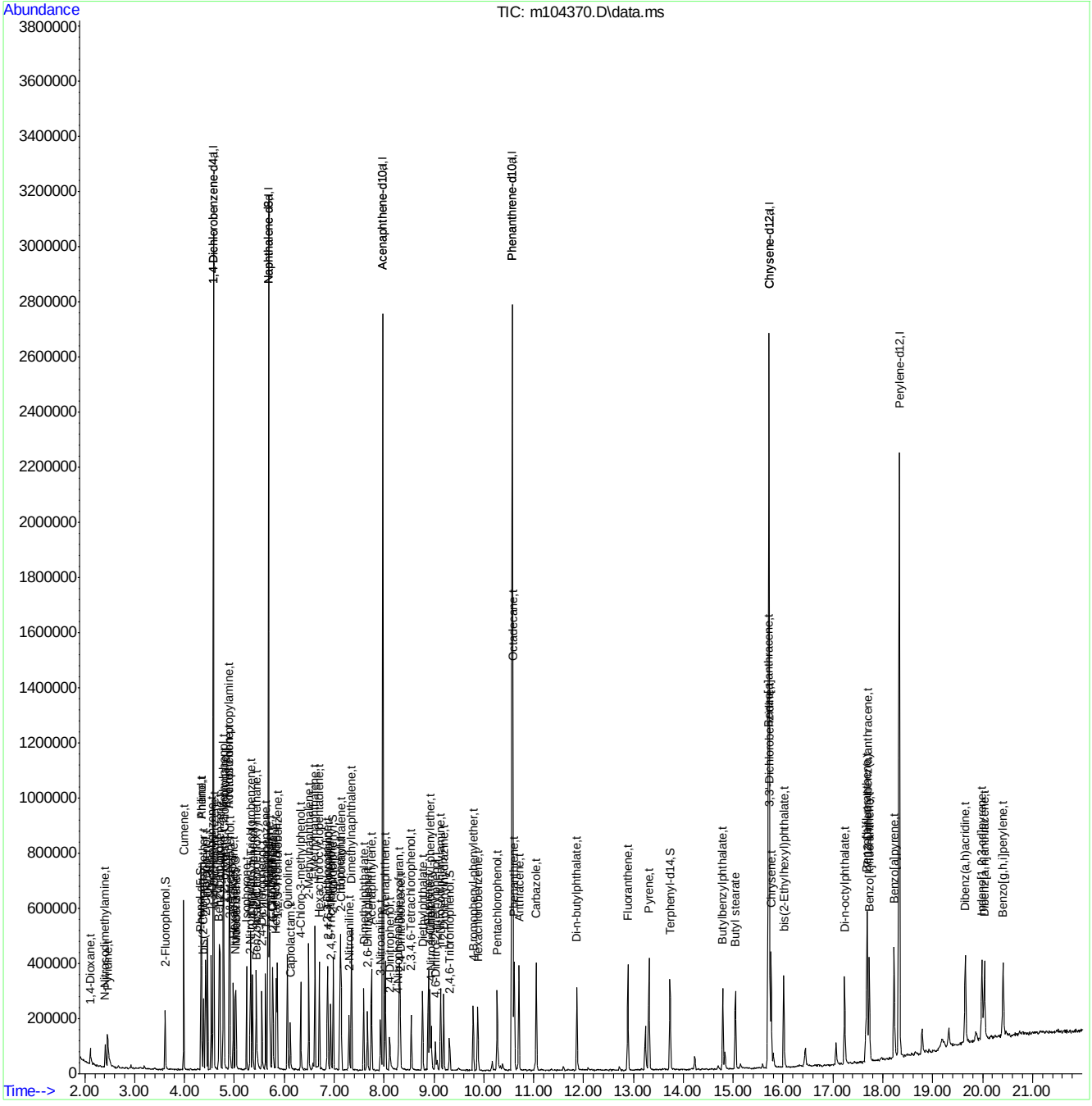
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration



Manual Integration Approval Summary

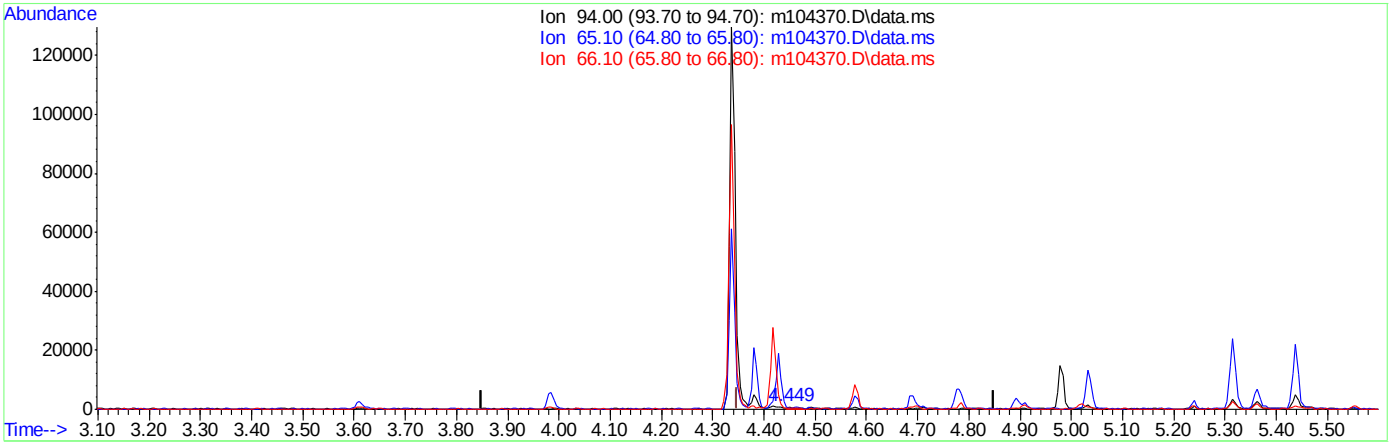
Sample Number:	EM4271-IC4271	**Method:**	SW846 8270D
Lab FileID:	M104370.D	**Analyst approved:**	05/14/14 09:32 Saumil Patel
Injection Time:	05/13/14 18:03	**Supervisor approved:**	05/14/14 10:59 Nina Pandya

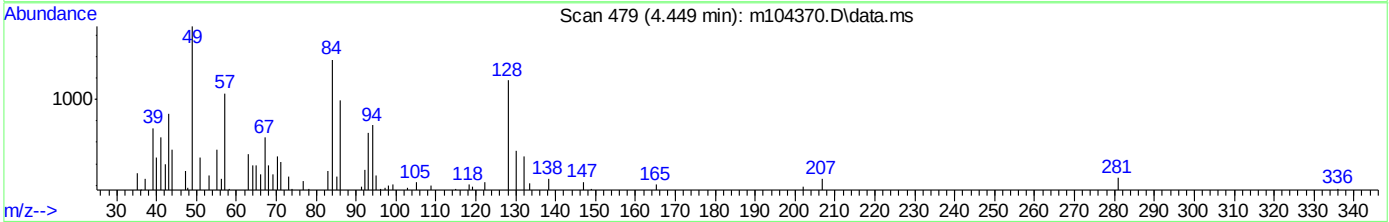
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		4.34	Poor instrument integration

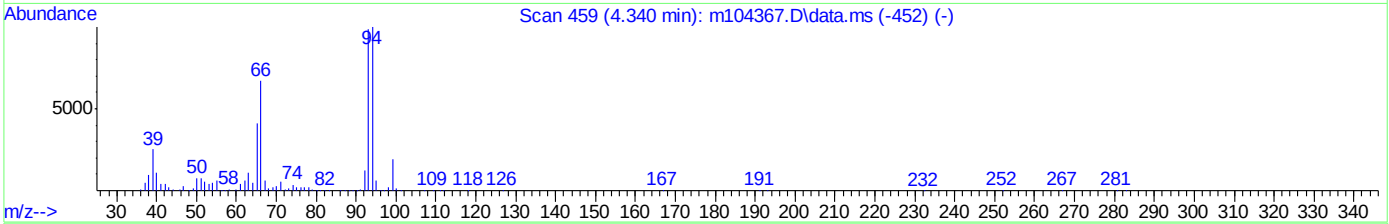
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:53:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration







TIC: m104370.D\data.ms

(9) Phenol (t)

4.449min (+0.101) 0.04ppb

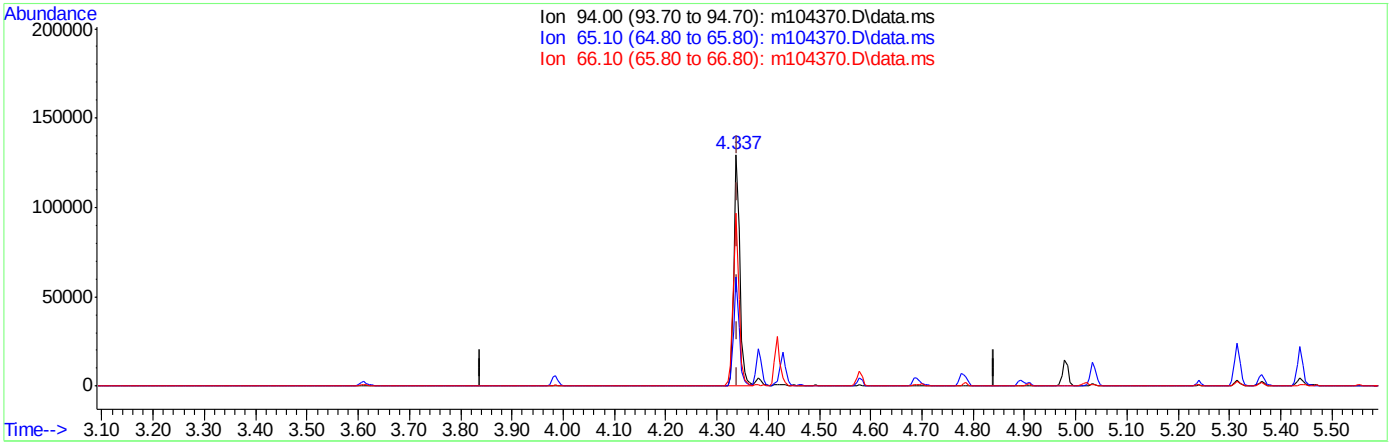
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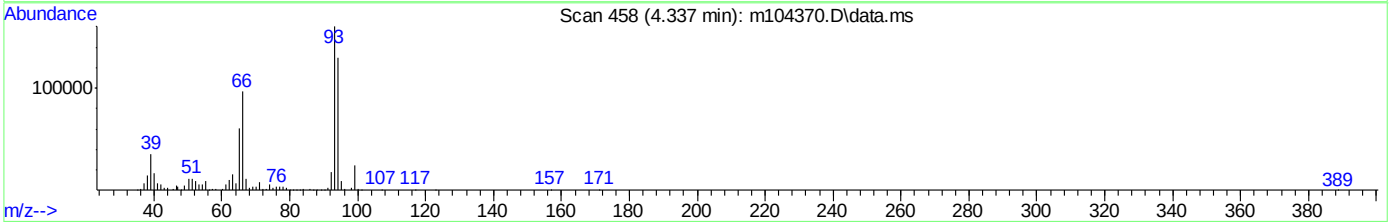
Ion	Exp%	Act%
94.00	100	100
65.10	26.90	9.29
66.10	40.30	35.33
0.00	0.00	0.00

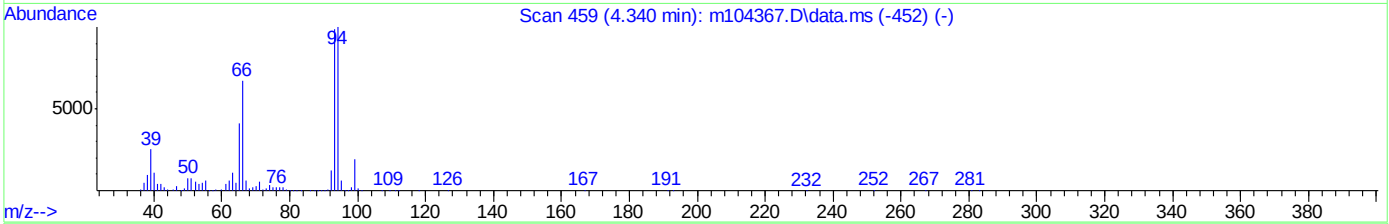
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:55:19 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration







TIC: m104370.D\data.ms

(9) Phenol (t)

4.337min (-0.003) 5.92ppb m

response 101500

Ion	Exp%	Act%
94.00	100	100
65.10	26.90	47.10
66.10	40.30	74.51#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	367690	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1338956	40.00	ppb	0.00
47) Acenaphthene-d10	7.979	164	776816	40.00	ppb	0.00
69) Phenanthrene-d10	10.570	188	1356289	40.00	ppb	0.00
83) Chrysene-d12	15.714	240	1352165	40.00	ppb	0.00
92) Perylene-d12	18.332	264	1195968	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	367690	40.00	ppb	0.00
104) Acenaphthene-d10a	7.979	164	776816	40.00	ppb	0.00
107) Chrysene-d12a	15.714	240	1352165	40.00	ppb	0.00
110) Phenanthrene-d10a	10.570	188	1356289	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1338956	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	26384	2.02	ppb	0.00
Spiked Amount 50.000			Recovery =	4.04%		
8) Phenol-d5	4.330	99	35922	2.22	ppb	0.00
Spiked Amount 50.000			Recovery =	4.44%		
25) Nitrobenzene-d5	5.019	82	29123	2.03	ppb	0.00
Spiked Amount 50.000			Recovery =	4.06%		
51) 2-Fluorobiphenyl	6.980	172	54676	2.13	ppb	0.00
Spiked Amount 50.000			Recovery =	4.26%		
73) 2,4,6-Tribromophenol	9.314	330	6736	2.02	ppb	0.00
Spiked Amount 50.000			Recovery =	4.04%		
86) Terphenyl-d14	13.732	244	58705	2.05	ppb	0.00
Spiked Amount 50.000			Recovery =	4.10%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.113	88	14810	2.27	ppb	87
3) Pyridine	2.471	79	34377	2.09	ppb	96
4) N-Nitrosodimethylamine	2.418	42	12808	2.19	ppb	99
6) Indene	4.779	116	56759	2.28	ppb	99
7) Cumene	3.983	105	82856	2.28	ppb	98
9) Phenol	4.341	94	40754	2.15	ppb	98
10) Aniline	4.336	93	47184	2.25	ppb	90
11) bis(2-Chloroethyl)ether	4.384	93	28755	2.21	ppb	90
12) 2-Chlorophenol	4.432	128	30062	2.16	ppb	90
13) Decane	4.464	43	28503	2.38	ppb	96
14) 1,3-Dichlorobenzene	4.539	146	31640	2.17	ppb	97
15) 1,4-Dichlorobenzene	4.592	146	31457	2.12	ppb	96
16) Benzyl alcohol	4.688	108	19551	2.16	ppb	93
17) 1,2-Dichlorobenzene	4.710	146	30685	2.21	ppb	92
18) Acetophenone	4.891	105	46067	2.27	ppb	97
19) 2-Methylphenol	4.784	108	27727	2.20	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.790	121	9906	2.38	ppb	93
21) 3&4-Methylphenol	4.907	108	27794	2.13	ppb	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.891	70	21586	2.25	ppb		91
23) Hexachloroethane	4.982	201	10843	2.12	ppb		90
26) Nitrobenzene	5.035	77	33098	2.16	ppb		94
27) Quinoline	6.061	129	61363	2.18	ppb		98
28) Isophorone	5.238	82	55608	2.14	ppb		99
29) 2-Nitrophenol	5.319	139	15162	2.18	ppb		93
30) 2,4-Dimethylphenol	5.361	107	23080	1.87	ppb		97
31) Benzoic acid	5.447	105	16488	1.76	ppb		90
32) bis(2-Chloroethoxy)met...	5.436	93	31736	2.13	ppb		100
33) 2,4-Dichlorophenol	5.554	162	20531	2.00	ppb		93
34) 2,6-Dichlorophenol	5.773	162	21787	2.15	ppb		91
35) 1,3,5-Trichlorobenzene	5.329	180	29932	2.27	ppb		99
36) 1,2,4-Trichlorobenzene	5.628	180	25017	2.17	ppb		94
37) 1,2,3-Trichlorobenzene	5.858	180	28159	2.28	ppb		96
38) Naphthalene	5.703	128	82062	2.15	ppb		99
39) 4-Chloroaniline	5.762	127	34632	2.16	ppb		99
40) 2,3-Dichloroaniline	6.862	161	32189	2.31	ppb		99
41) Caprolactam	6.114	55	12609	2.18	ppb		92
42) Hexachlorobutadiene	5.842	225	13779	2.17	ppb		91
43) 4-Chloro-3-methylphenol	6.328	107	24349	2.05	ppb		95
44) 2-Methylnaphthalene	6.488	141	43802	2.09	ppb		95
45) 1-Methylnaphthalene	6.617	142	59317	2.28	ppb		98
46) Dimethylnaphthalene	7.343	156	52782	2.21	ppb		99
48) Hexachlorocyclopentadiene	6.702	237	21110	3.38	ppb		94
49) 2,4,6-Trichlorophenol	6.873	196	15488	2.05	ppb		98
50) 2,4,5-Trichlorophenol	6.932	196	17781	2.17	ppb		97
52) 2-Chloronaphthalene	7.135	162	50142	2.16	ppb		97
53) Biphenyl	7.119	154	72349	2.23	ppb		97
54) 2-Nitroaniline	7.295	65	15672	2.09	ppb		93
55) Dimethylphthalate	7.589	163	54229	2.14	ppb		96
56) Acenaphthylene	7.744	152	79545	2.14	ppb		98
57) 2,6-Dinitrotoluene	7.669	165	11201	1.88	ppb		88
58) 3-Nitroaniline	7.931	138	13300	1.95	ppb		89
59) Acenaphthene	8.022	153	48683	2.15	ppb		92
60) 2,4-Dinitrophenol	8.118	184	6347	1.78	ppb		86
61) 4-Nitrophenol	8.294	109	8092	2.14	ppb	#	72
62) Dibenzofuran	8.310	168	70775	2.17	ppb		99
63) 2,4-Dinitrotoluene	8.326	165	16316	2.01	ppb		95
64) 2,3,4,6-Tetrachlorophenol	8.545	232	12233	1.91	ppb		93
65) Diethylphthalate	8.770	149	52937	2.12	ppb		97
66) Fluorene	8.887	166	56259	2.12	ppb		97
67) 4-Chlorophenyl-phenyle...	8.919	204	27430	2.16	ppb		95
68) 4-Nitroaniline	8.946	138	13269	2.00	ppb		89
70) 4,6-Dinitro-2-methylph...	9.037	198	7089	1.41	ppb		84
71) n-Nitrosodiphenylamine	9.133	169	37188	2.01	ppb		97
72) 1,2-Diphenylhydrazine	9.197	77	62128	2.06	ppb		98
74) 4-Bromophenyl-phenylether	9.785	248	14909	2.10	ppb		98
75) Hexachlorobenzene	9.875	284	15553	2.10	ppb		97
76) Pentachlorophenol	10.271	266	15385	3.49	ppb		83
77) Phenanthrene	10.607	178	83042	2.09	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	10.703	178	82811	2.05	ppb	98
79)	Carbazole	11.051	167	88221	2.15	ppb	98
80)	Di-n-butylphthalate	11.868	149	86722	2.00	ppb	99
81)	Fluoranthene	12.888	202	92187	2.09	ppb	99
82)	Octadecane	10.581	57	38010	2.26	ppb	97
84)	Pyrene	13.310	202	95797	2.06	ppb	96
85)	Butyl stearate	15.047	56	21764	2.03	ppb	94
87)	Butylbenzylphthalate	14.790	149	37733	1.96	ppb	97
88)	Benzo[a]anthracene	15.698	228	87194	2.09	ppb	94
89)	3,3'-Dichlorobenzidine	15.730	252	29470	1.99	ppb	99
90)	Chrysene	15.762	228	80855	2.10	ppb	98
91)	bis(2-Ethylhexyl)phtha...	16.013	149	53228	1.95	ppb	97
93)	Di-n-octylphthalate	17.237	149	92637	1.98	ppb	99
94)	Benzo[b]fluoranthene	17.680	252	81830	2.00	ppb	96
95)	Benzo[k]fluoranthene	17.728	252	84781	2.20	ppb	97
96)	Benzo[a]pyrene	18.220	252	75525	2.08	ppb	94
97)	Indeno[1,2,3-cd]pyrene	19.983	276	73990	2.09	ppb	91
98)	Dibenz(a,h)acridine	19.651	279	70009	2.18	ppb	95
99)	Dibenz[a,h]anthracene	20.036	278	68684	2.04	ppb	97
100)	7,12-Dimethylbenz(a)an...	17.691	256	23012	2.60	ppb	93
101)	Benzo[g,h,i]perylene	20.410	276	75370	2.12	ppb	96

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

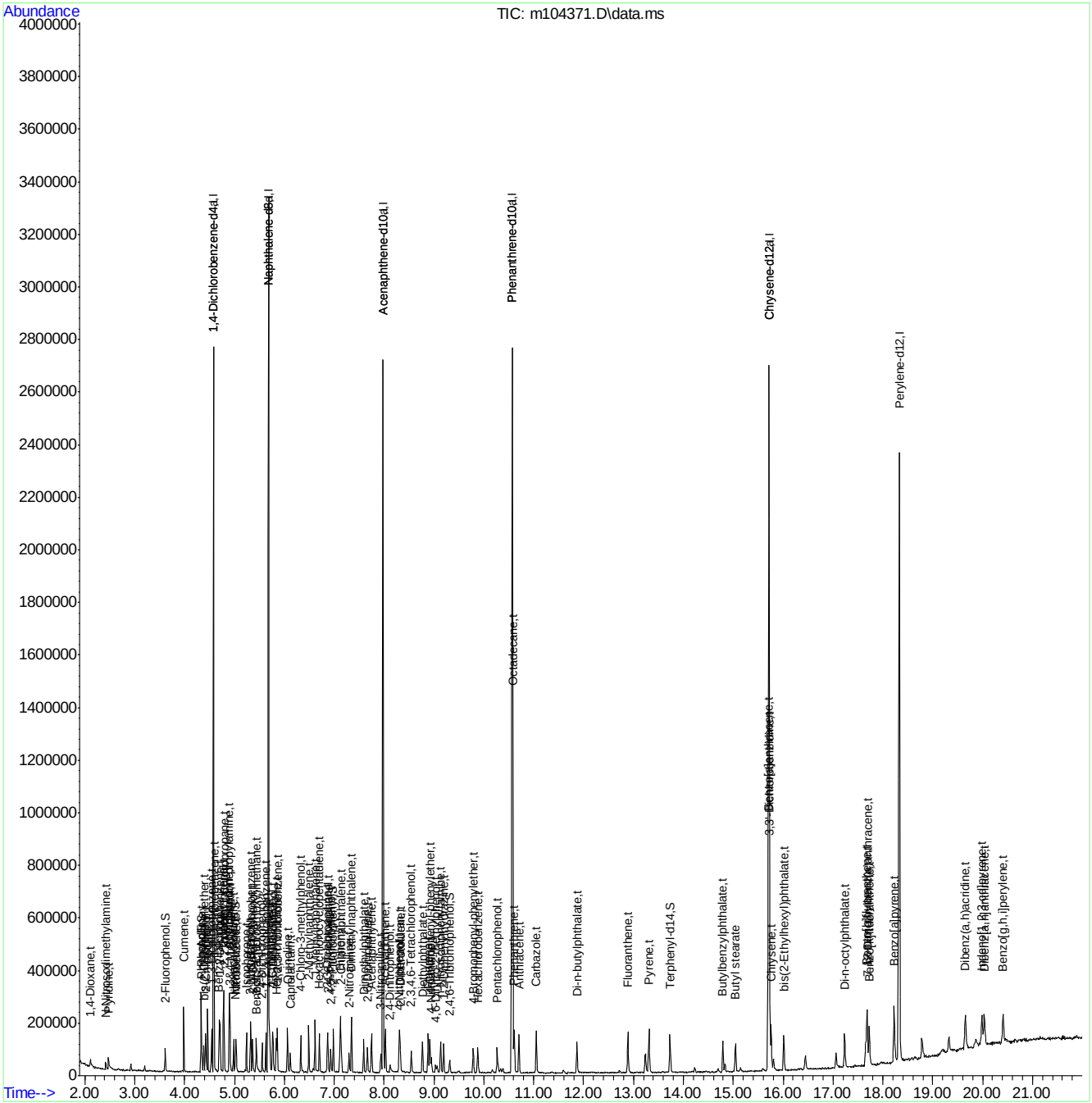
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104373.D
Acq On : 14 May 2014 8:40 am
Operator : saumilp
Sample : IC4272-100
Misc : op73826,em4272
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 14 12:41:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 12:36:03 2014
Response via : Initial Calibration

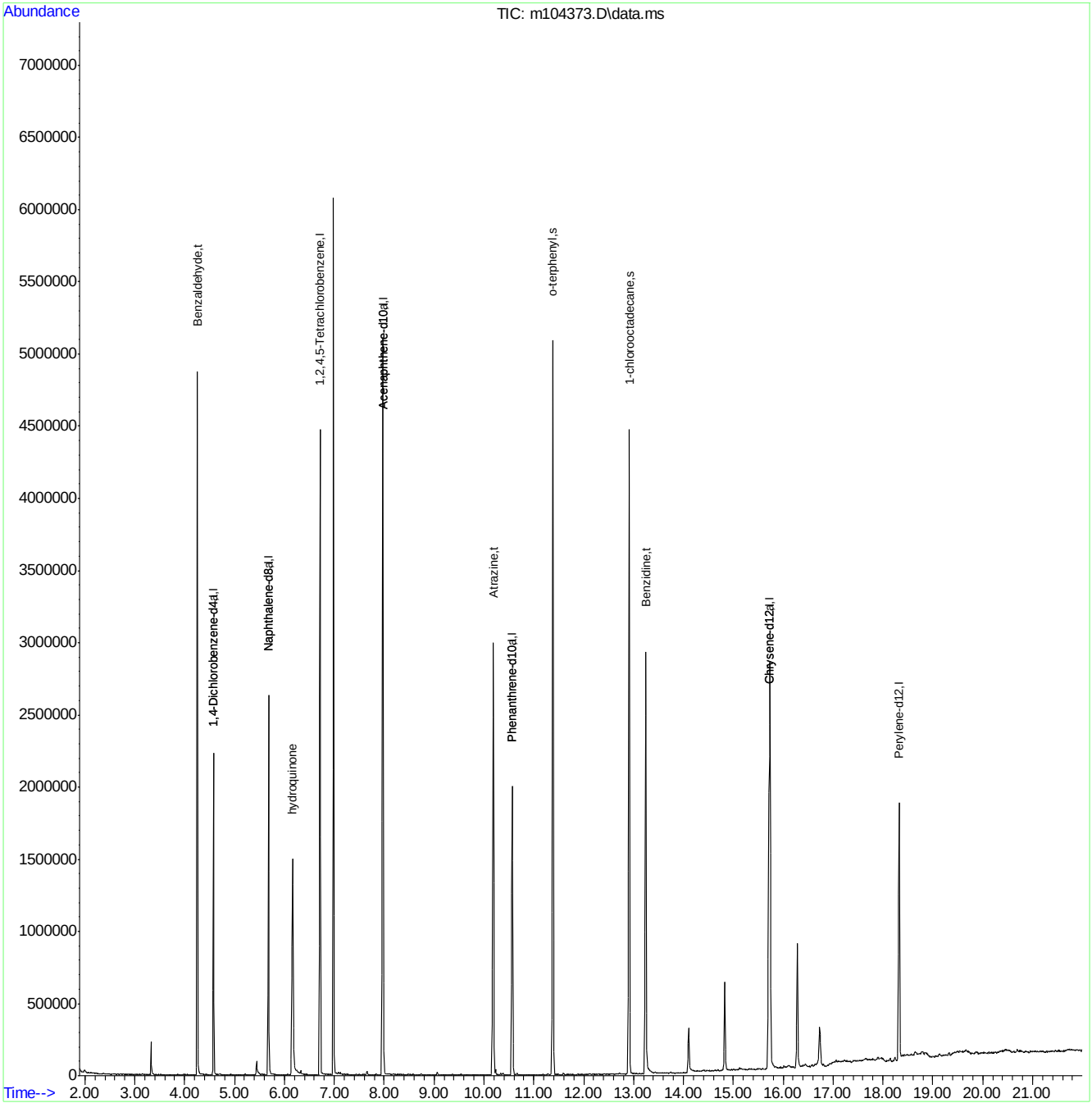
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	290068	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1048147	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	589463	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1031340	40.00	ppb	0.00
83) Chrysene-d12	15.713	240	1019833	40.00	ppb	0.00
92) Perylene-d12	18.326	264	940576	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	290068	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	589463	40.00	ppb	0.00
107) Chrysene-d12a	15.713	240	1019833	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1031340	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1048147	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
86) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	12.914	57	790423	97.82	ppb	0.00
Spiked Amount 50.000			Recovery = 195.64%			
111) o-terphenyl	11.381	230	1533353	98.20	ppb	0.00
Spiked Amount 50.000			Recovery = 196.40%			
Target Compounds						Qvalue
103) Benzaldehyde	4.254	105	801071	94.77	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.712	216	918346	99.26	ppb	100
106) Atrazine	10.190	215	323442	103.26	ppb	100
108) Benzidine	13.245	184	1752631	88.35	ppb	100
113) hydroquinone	6.167	110	1121049	113.00	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104373.D
Acq On : 14 May 2014 8:40 am
Operator : saumilp
Sample : IC4272-100
Misc : op73826,em4272
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 14 12:41:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 12:36:03 2014
Response via : Initial Calibration



MM4271.M Wed May 14 12:41:25 2014 MSM Page: 2

ACCUTEST LABORATORIES
JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104374.D
Acq On : 14 May 2014 9:08 am
Operator : saumilp
Sample : IC4272-80
Misc : op73826,em4272
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 14 09:54:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

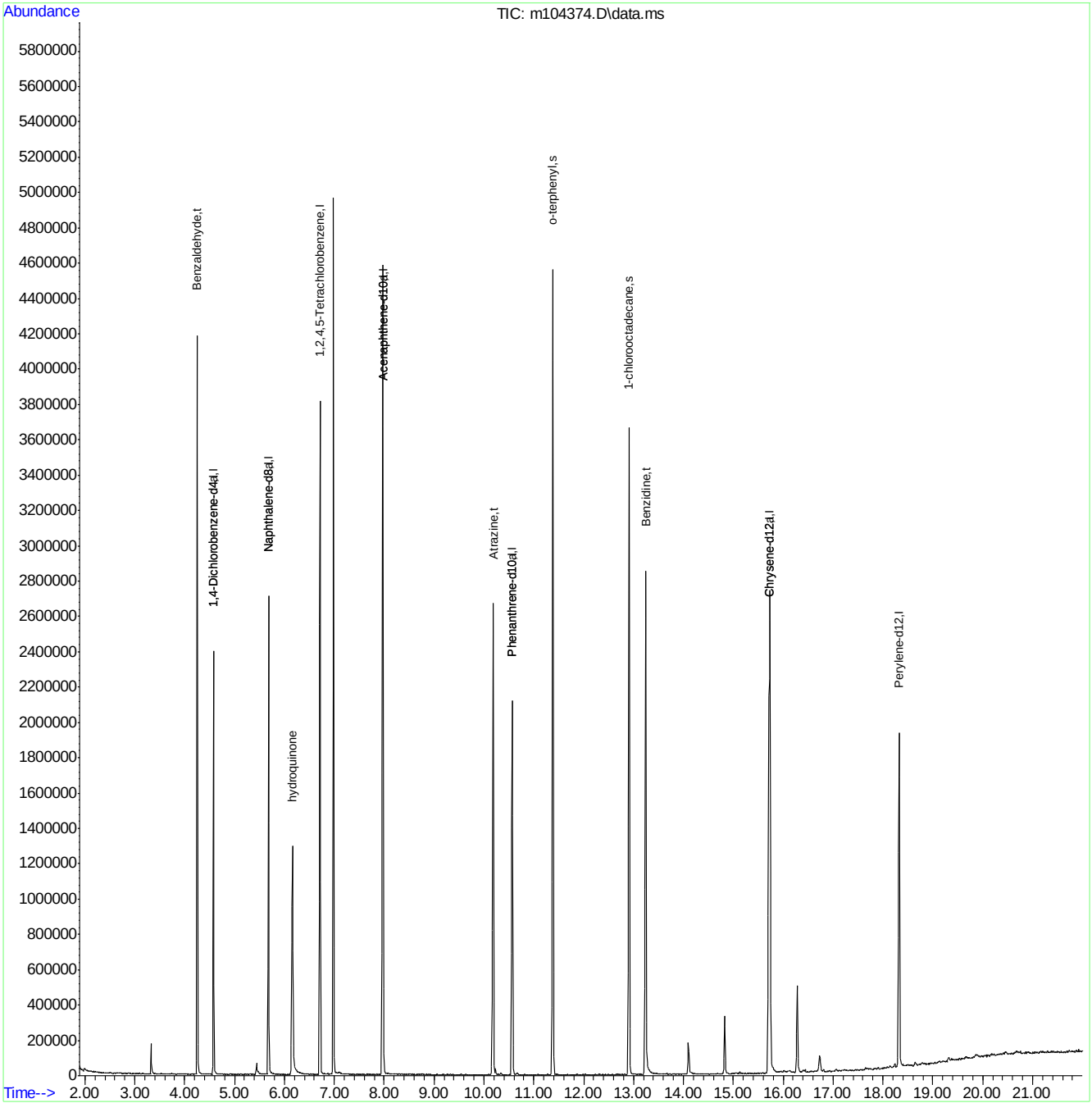
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	304311	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1096239	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	612810	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1081255	40.00	ppb	0.00
83) Chrysene-d12	15.713	240	1062481	40.00	ppb	0.00
92) Perylene-d12	18.326	264	981074	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.575	152	304311	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	612810	40.00	ppb	0.00
107) Chrysene-d12a	15.713	240	1062481	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1081255	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1096239	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.909	57	681297	82.73	ppb	0.00
Spiked Amount 50.000			Recovery =	165.46%		
111) o-terphenyl	11.381	230	1296466	80.65	ppb	0.00
Spiked Amount 50.000			Recovery =	161.30%		
Target Compounds						Qvalue
103) Benzaldehyde	4.249	105	690783	82.20	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.712	216	784522	82.17	ppb	99
106) Atrazine	10.190	215	275905	82.05	ppb	98
108) Benzidine	13.245	184	1682270	92.13	ppb	99
113) hydroquinone	6.162	110	952688	81.25	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104374.D
Acq On : 14 May 2014 9:08 am
Operator : saumilp
Sample : IC4272-80
Misc : op73826,em4272
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 14 09:54:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104375.D
Acq On : 14 May 2014 9:37 am
Operator : saumilp
Sample : ICC4272-50
Misc : op73826,em4272
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 14 10:01:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

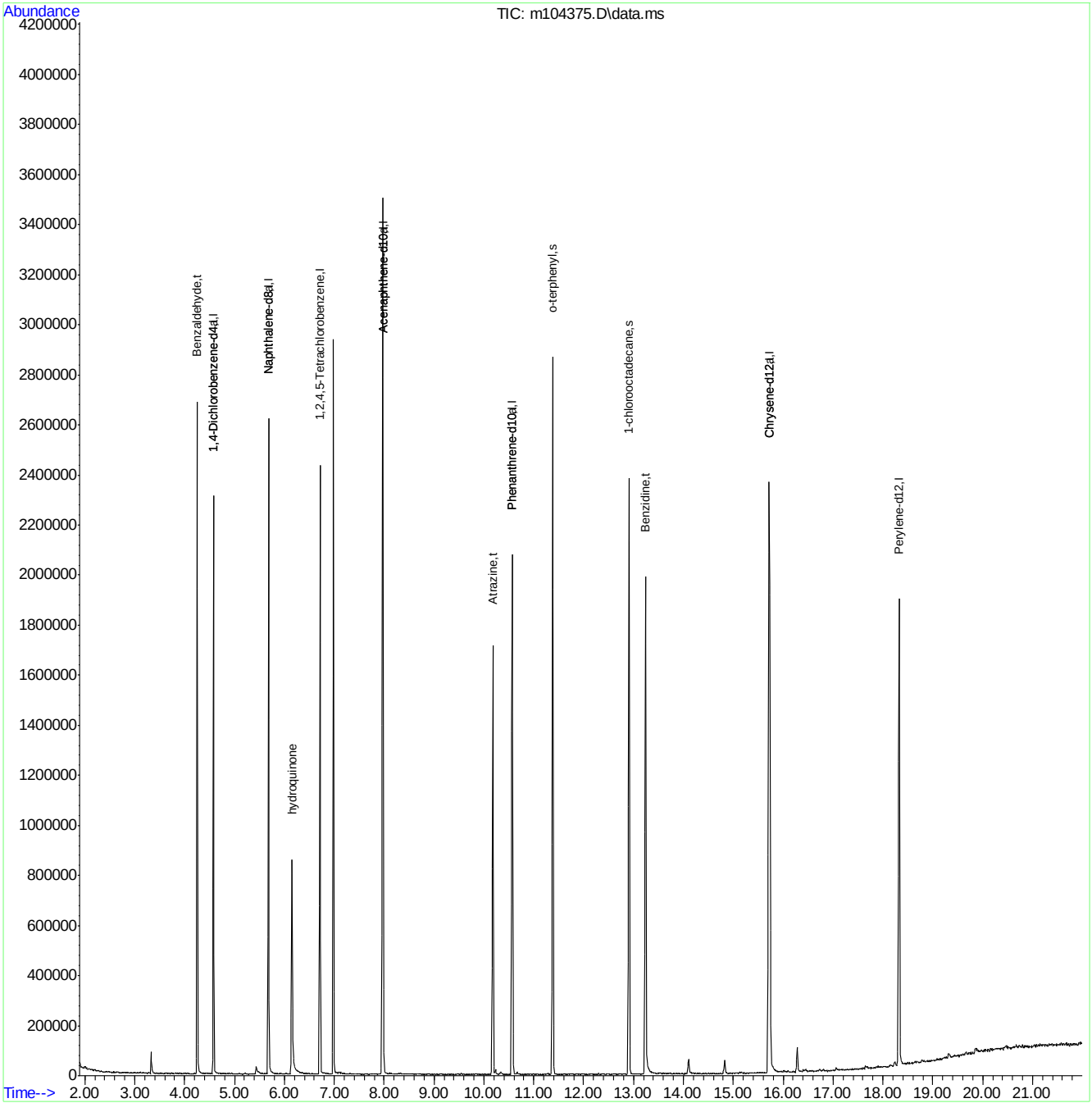
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	293090	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1057871	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	604758	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1069113	40.00	ppb	0.00
83) Chrysene-d12	15.714	240	1057148	40.00	ppb	0.00
92) Perylene-d12	18.326	264	967359	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.575	152	293090	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	604758	40.00	ppb	0.00
107) Chrysene-d12a	15.714	240	1057148	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1069113	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1057871	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.909	57	424090	51.76	ppb	0.00
Spiked Amount 50.000			Recovery =	103.52%		
111) o-terphenyl	11.381	230	799934	50.33	ppb	0.00
Spiked Amount 50.000			Recovery =	100.66%		
Target Compounds						Qvalue
103) Benzaldehyde	4.249	105	425104	52.52	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.712	216	474639	50.38	ppb	100
106) Atrazine	10.184	215	165050	49.74	ppb	100
108) Benzidine	13.240	184	1137003	62.58	ppb	100
113) hydroquinone	6.151	110	567175	50.13	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104375.D
Acq On : 14 May 2014 9:37 am
Operator : saumilp
Sample : ICC4272-50
Misc : op73826,em4272
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 14 10:01:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104376.D
Acq On : 14 May 2014 10:05 am
Operator : saumilp
Sample : IC4272-25
Misc : op73826,em4272
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 10:28:46 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

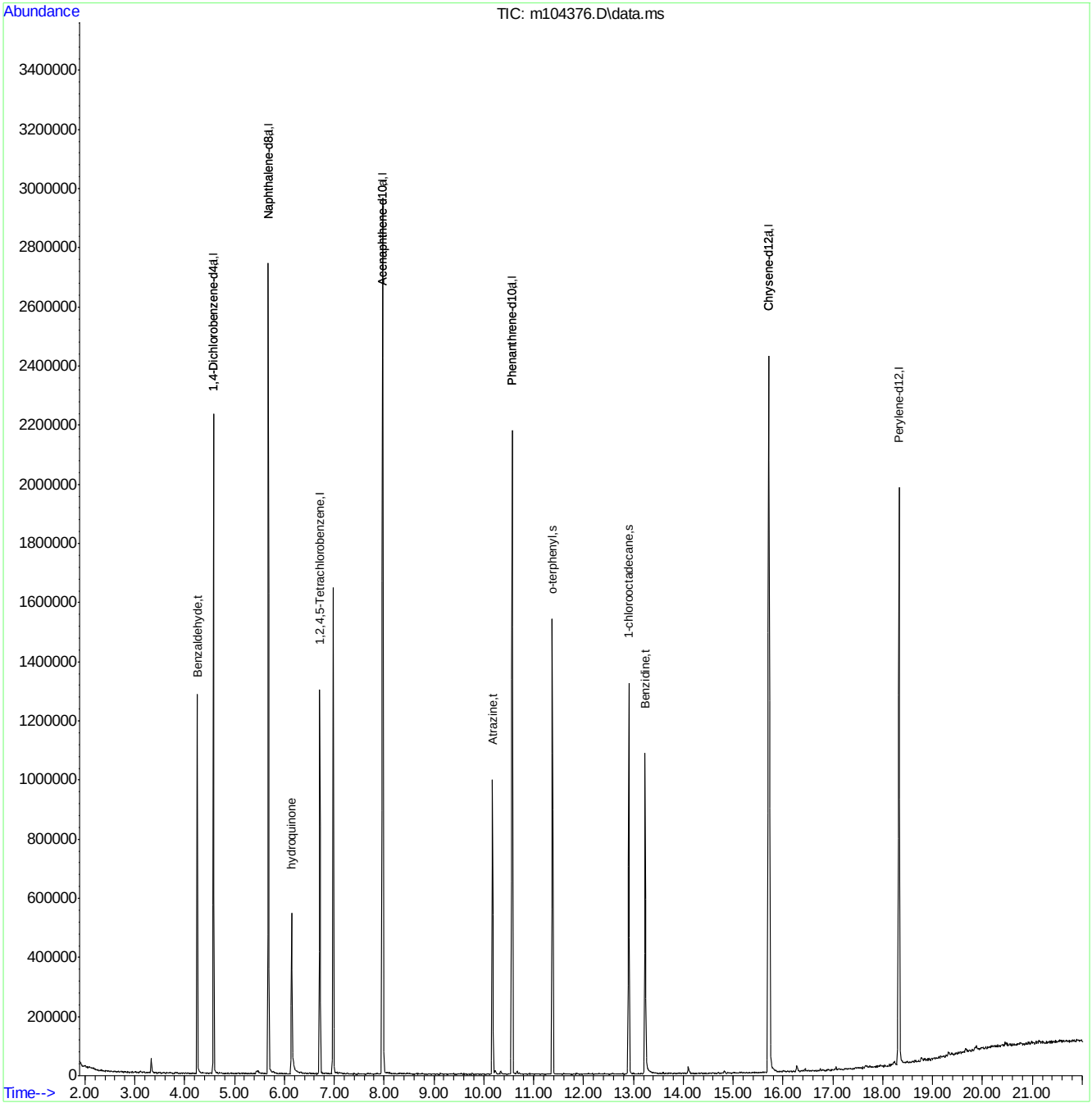
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	296426	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1081487	40.00	ppb	0.00
47) Acenaphthene-d10	7.972	164	631375	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1080791	40.00	ppb	0.00
83) Chrysene-d12	15.713	240	1081109	40.00	ppb	0.00
92) Perylene-d12	18.326	264	1004598	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	296426	40.00	ppb	0.00
104) Acenaphthene-d10a	7.972	164	631375	40.00	ppb	0.00
107) Chrysene-d12a	15.713	240	1081109	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1080791	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1081487	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.909	57	222221	26.52	ppb	0.00
Spiked Amount 50.000			Recovery =	53.04%		
111) o-terphenyl	11.381	230	421626	26.24	ppb	0.00
Spiked Amount 50.000			Recovery =	52.48%		
Target Compounds						Qvalue
103) Benzaldehyde	4.254	105	221679	27.08	ppb	99
105) 1,2,4,5-Tetrachloroben...	6.712	216	248623	25.28	ppb	99
106) Atrazine	10.179	215	87350	25.21	ppb	98
108) Benzidine	13.234	184	605317	32.58	ppb	100
113) hydroquinone	6.145	110	294562	25.47	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104376.D
Acq On : 14 May 2014 10:05 am
Operator : saumilp
Sample : IC4272-25
Misc : op73826,em4272
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 10:28:46 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104377.D
Acq On : 14 May 2014 10:34 am
Operator : saumilp
Sample : IC4272-10
Misc : op73826,em4272
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 11:09:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

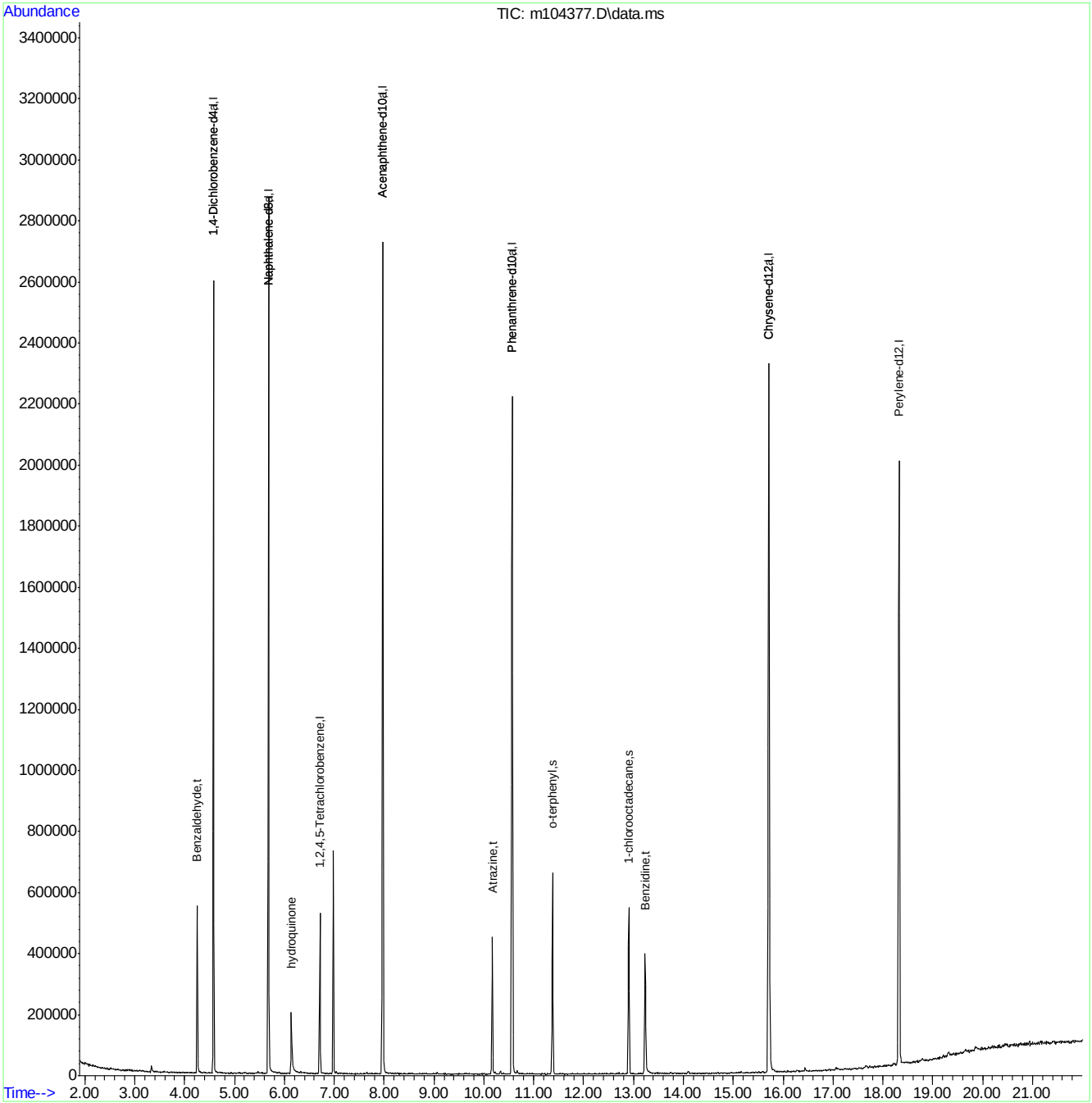
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.576	152	319415	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1178514	40.00	ppb	0.00
47) Acenaphthene-d10	7.974	164	684317	40.00	ppb	0.00
69) Phenanthrene-d10	10.565	188	1153525	40.00	ppb	0.00
83) Chrysene-d12	15.709	240	1137660	40.00	ppb	0.00
92) Perylene-d12	18.327	264	1039365	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.576	152	319415	40.00	ppb	0.00
104) Acenaphthene-d10a	7.974	164	684317	40.00	ppb	0.00
107) Chrysene-d12a	15.709	240	1137660	40.00	ppb	0.00
110) Phenanthrene-d10a	10.565	188	1153525	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1178514	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.904	57	91181	10.34	ppb	0.00
Spiked Amount 50.000			Recovery =	20.68%		
111) o-terphenyl	11.377	230	176438	10.29	ppb	0.00
Spiked Amount 50.000			Recovery =	20.58%		
Target Compounds						Qvalue
103) Benzaldehyde	4.250	105	95959	10.88	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.713	216	106283	9.97	ppb	97
106) Atrazine	10.169	215	34474	9.18	ppb	90
108) Benzidine	13.236	184	244854	12.52	ppb	100
113) hydroquinone	6.141	110	111865	8.87	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104377.D
Acq On : 14 May 2014 10:34 am
Operator : saumilp
Sample : IC4272-10
Misc : op73826,em4272
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 11:09:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104378.D
Acq On : 14 May 2014 11:03 am
Operator : saumilp
Sample : IC4272-5
Misc : op73826,em4272
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 11:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

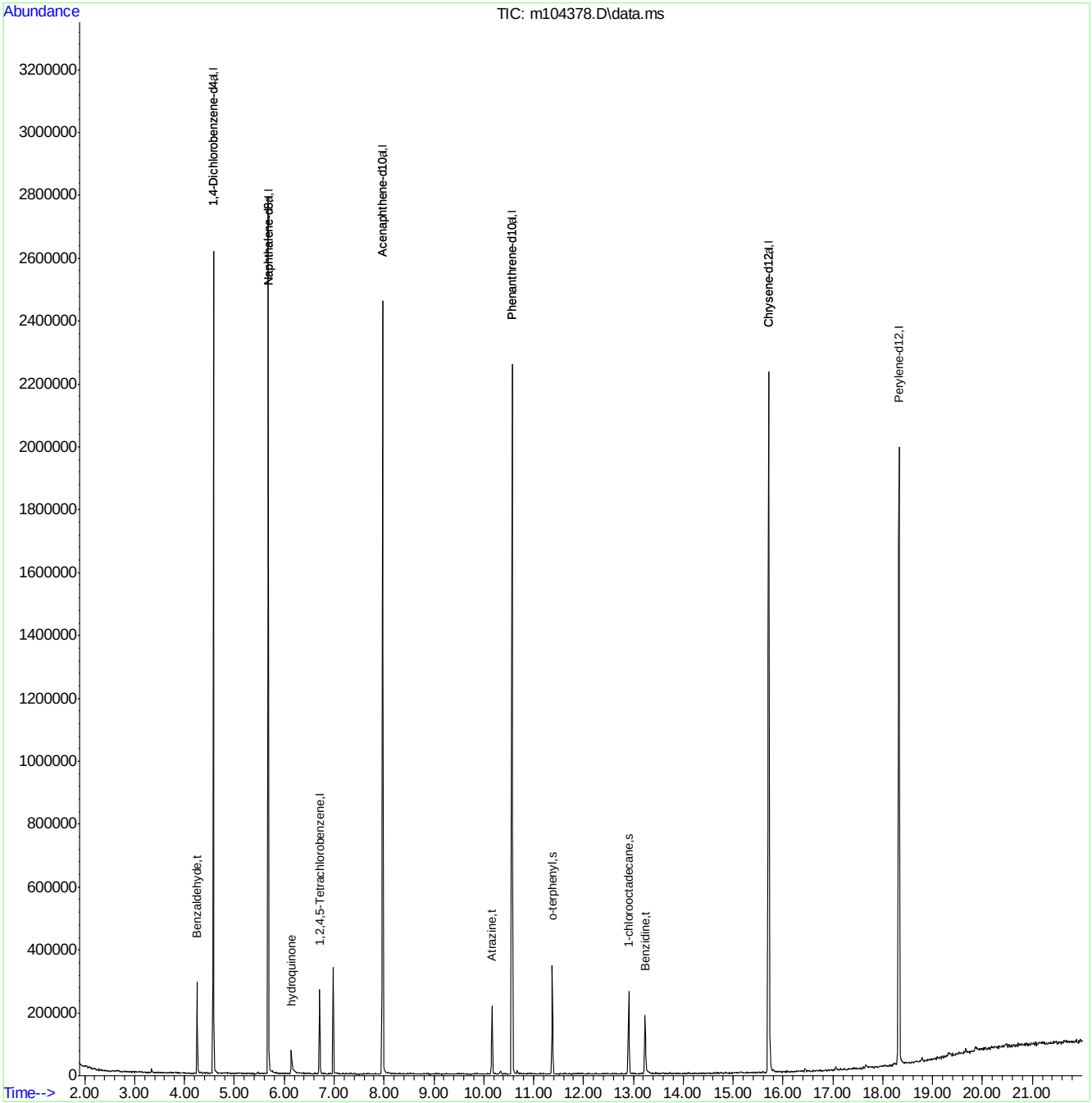
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.579	152	314181	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	1143863	40.00	ppb	0.00
47) Acenaphthene-d10	7.976	164	656204	40.00	ppb	0.00
69) Phenanthrene-d10	10.567	188	1113420	40.00	ppb	0.00
83) Chrysene-d12	15.712	240	1099645	40.00	ppb	0.00
92) Perylene-d12	18.324	264	1025903	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.579	152	314181	40.00	ppb	0.00
104) Acenaphthene-d10a	7.976	164	656204	40.00	ppb	0.00
107) Chrysene-d12a	15.712	240	1099645	40.00	ppb	0.00
110) Phenanthrene-d10a	10.567	188	1113420	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	1143863	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.907	57	46510	5.46	ppb	0.00
Spiked Amount 50.000			Recovery =	10.92%		
111) o-terphenyl	11.374	230	87576	5.29	ppb	0.00
Spiked Amount 50.000			Recovery =	10.58%		
Target Compounds						Qvalue
103) Benzaldehyde	4.253	105	46149	5.32	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.710	216	51359	5.02	ppb	98
106) Atrazine	10.167	215	17375	4.83	ppb	92
108) Benzidine	13.233	184	112902	5.97	ppb	99
113) hydroquinone	6.144	110	50805	4.15	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104378.D
Acq On : 14 May 2014 11:03 am
Operator : saumilp
Sample : IC4272-5
Misc : op73826,em4272
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 11:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



MM4271.M Wed May 14 11:29:42 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104379.D
Acq On : 14 May 2014 11:31 am
Operator : saumilp
Sample : IC4272-2
Misc : op73826,em4272
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 12:30:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

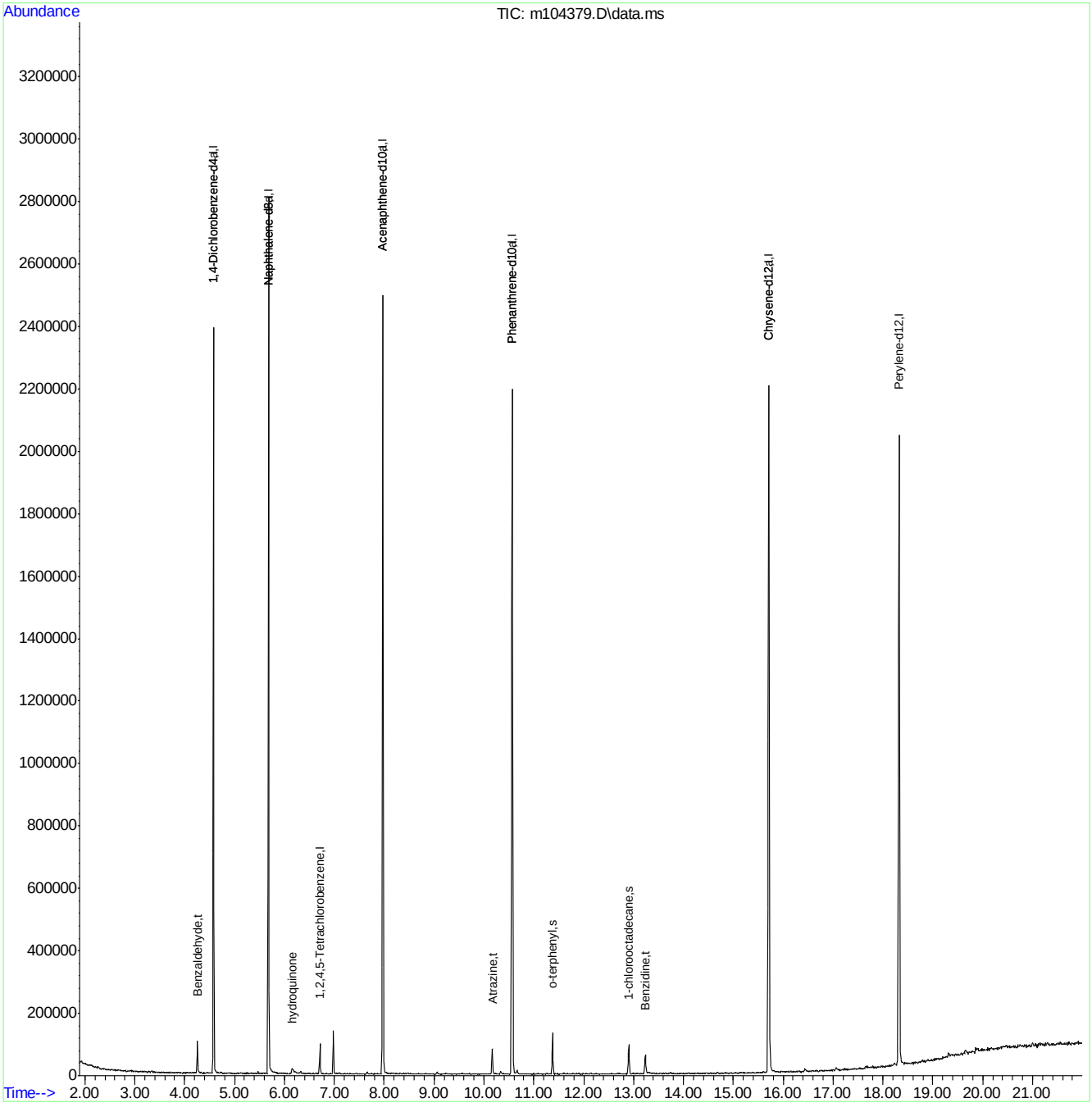
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	306211	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1126189	40.00	ppb	0.00
47) Acenaphthene-d10	7.973	164	650143	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1121376	40.00	ppb	0.00
83) Chrysene-d12	15.708	240	1121558	40.00	ppb	0.00
92) Perylene-d12	18.326	264	1019435	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.575	152	306211	40.00	ppb	0.00
104) Acenaphthene-d10a	7.973	164	650143	40.00	ppb	0.00
107) Chrysene-d12a	15.708	240	1121558	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1121376	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1126189	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.903	57	15969	1.84	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.68%		
111) o-terphenyl	11.375	230	32996	1.98	ppb	0.00
Spiked Amount 50.000			Recovery =	3.96%		
Target Compounds						Qvalue
103) Benzaldehyde	4.254	105	18473	2.18	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.712	216	21357	2.11	ppb	91
106) Atrazine	10.168	215	6425	1.80	ppb	93
108) Benzidine	13.235	184	38184	1.98	ppb	94
113) hydroquinone	6.151	110	14140	1.17	ppb	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104379.D
Acq On : 14 May 2014 11:31 am
Operator : saumilp
Sample : IC4272-2
Misc : op73826,em4272
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 12:30:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 17:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:31:25 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

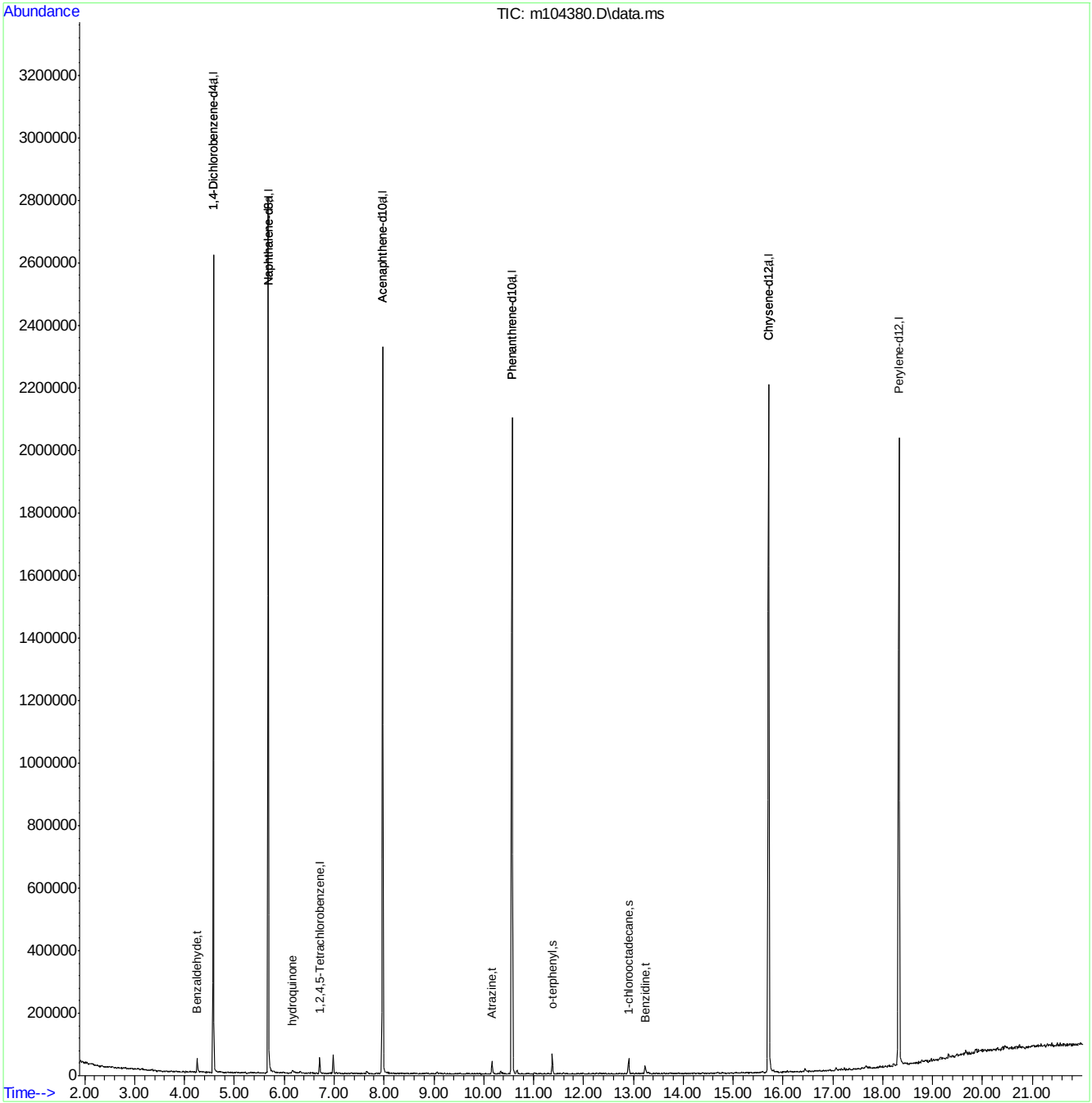
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	307116	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	1118176	40.00	ppb	0.00
47) Acenaphthene-d10	7.971	164	651834	40.00	ppb	0.00
69) Phenanthrene-d10	10.562	188	1116056	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1104265	40.00	ppb	0.00
92) Perylene-d12	18.324	264	1017083	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	307116	40.00	ppb	0.00
104) Acenaphthene-d10a	7.971	164	651834	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1104265	40.00	ppb	0.00
110) Phenanthrene-d10a	10.562	188	1116056	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	1118176	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.907	57	8594	1.00	ppb	0.00
Spiked Amount 50.000			Recovery =	2.00%		
111) o-terphenyl	11.374	230	16695	1.01	ppb	0.00
Spiked Amount 50.000			Recovery =	2.02%		
Target Compounds						Qvalue
103) Benzaldehyde	4.253	105	8794	1.04	ppb	92
105) 1,2,4,5-Tetrachloroben...	6.710	216	9732	0.96	ppb	92
106) Atrazine	10.161	215	3344	0.93	ppb #	76
108) Benzidine	13.238	184	17273	0.91	ppb	99
113) hydroquinone	6.170	110	8827m	0.74	ppb	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:31:25 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

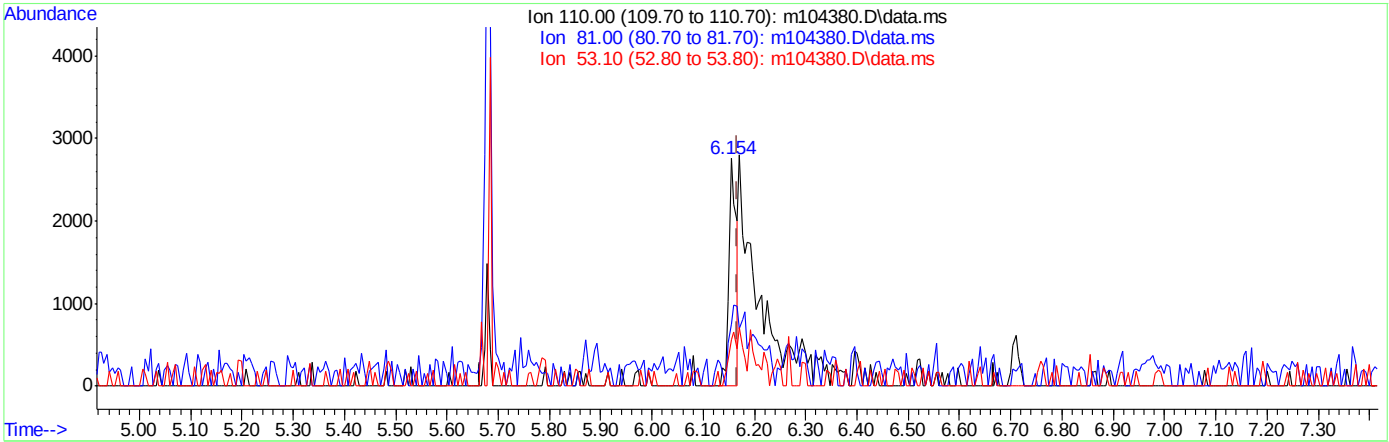
Sample Number:	EM4272-IC4272	**Method:**	SW846 8270D
Lab FileID:	M104380.D	**Analyst approved:**	05/14/14 12:43 Saumil Patel
Injection Time:	05/14/14 12:00	**Supervisor approved:**	05/14/14 17:03 Nina Pandya

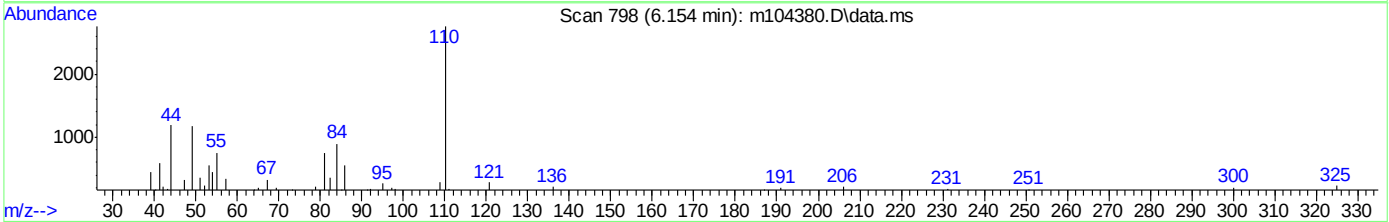
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		6.17	Poor instrument integration

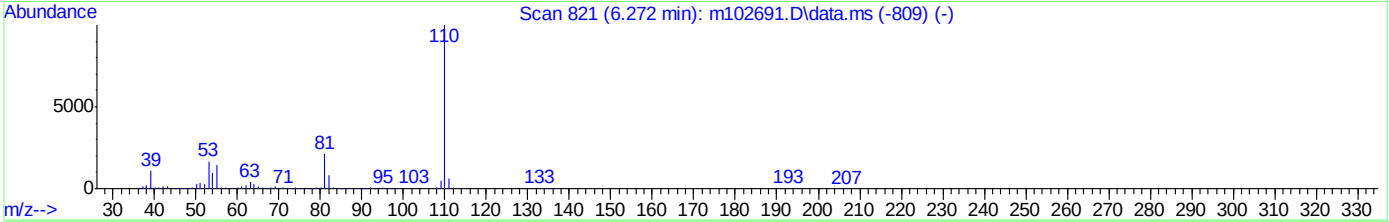
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:30:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration







TIC: m104380.D\data.ms

(113) hydroquinone

6.154min (-0.013) 0.22ppb

response 2686

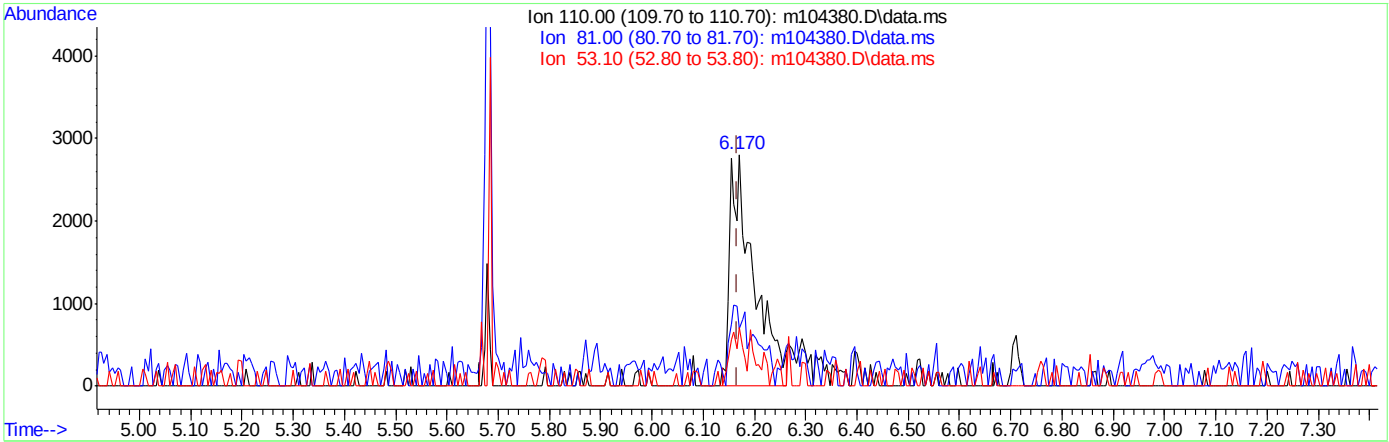
Ion	Exp%	Act%
110.00	100	100
81.00	32.00	6.00
53.10	20.70	13.60
0.00	0.00	0.00

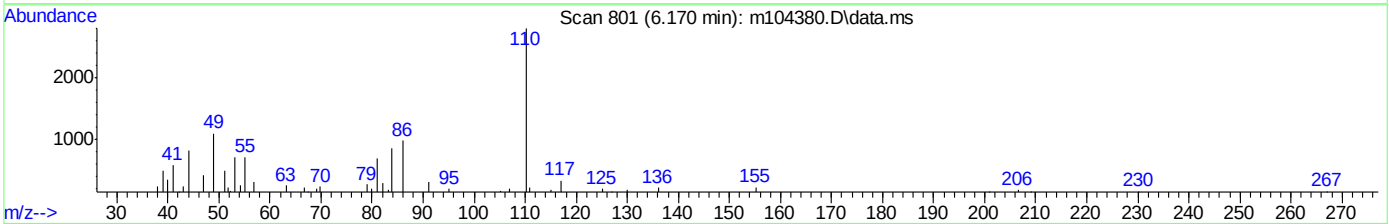
ACCUTEST LABORATORIES JB68318

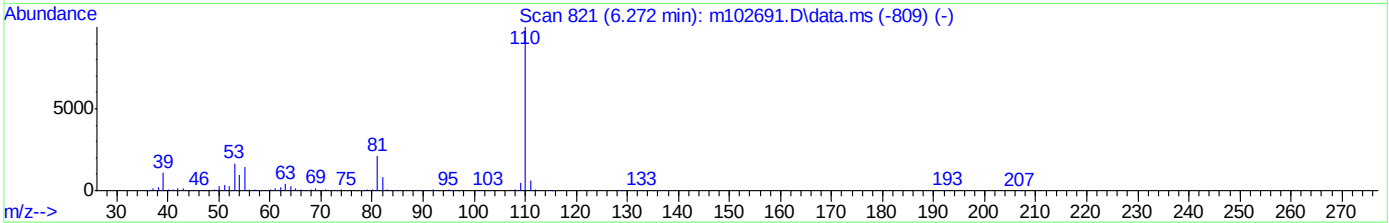
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:30:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration







TIC: m104380.D\data.ms

(113) hydroquinone

6.170min (+0.003) 0.74ppb m

response 8827

Ion	Exp%	Act%
110.00	100	100
81.00	32.00	24.87
53.10	20.70	25.22
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 17:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:30:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.577	152	465571	40.00	ppb		0.00
24) Naphthalene-d8	5.683	136	1756320	40.00	ppb		0.00
47) Acenaphthene-d10	7.975	164	1069483	40.00	ppb		0.00
69) Phenanthrene-d10	10.571	188	1851716	40.00	ppb		0.00
83) Chrysene-d12	15.710	240	1584849	40.00	ppb		0.00
92) Perylene-d12	18.328	264	1409670	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.577	152	465571	40.00	ppb		0.00
104) Acenaphthene-d10a	7.975	164	1069483	40.00	ppb		0.00
107) Chrysene-d12a	15.710	240	1584849	40.00	ppb		0.00
110) Phenanthrene-d10a	10.571	188	1851716	40.00	ppb		0.00
112) Naphthalene-d8a	5.683	136	1756320	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.337	94	1061973	44.23	ppb	#	67
12) 2-Chlorophenol	4.428	128	793808	45.12	ppb		98
19) 2-Methylphenol	4.785	108	738062	46.26	ppb		98
21) 3&4-Methylphenol	4.908	108	760765	45.99	ppb		98
29) 2-Nitrophenol	5.314	139	403781	44.25	ppb		97
30) 2,4-Dimethylphenol	5.362	107	787620m	48.61	ppb		
31) Benzoic acid	5.496	105	577113	46.99	ppb		97
33) 2,4-Dichlorophenol	5.549	162	602592	44.81	ppb		98
34) 2,6-Dichlorophenol	5.774	162	598637	45.07	ppb		99
43) 4-Chloro-3-methylphenol	6.324	107	686621	43.99	ppb		97
49) 2,4,6-Trichlorophenol	6.874	196	443117	42.54	ppb		98
50) 2,4,5-Trichlorophenol	6.922	196	465532	41.26	ppb		100
60) 2,4-Dinitrophenol	8.108	184	183106	37.21	ppb		95
61) 4-Nitrophenol	8.285	109	209165	40.24	ppb	#	78
64) 2,3,4,6-Tetrachlorophenol	8.546	232	372378	42.22	ppb		98
70) 4,6-Dinitro-2-methylph...	9.027	198	287283	41.95	ppb		99
76) Pentachlorophenol	10.267	266	263434	43.73	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:30:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration

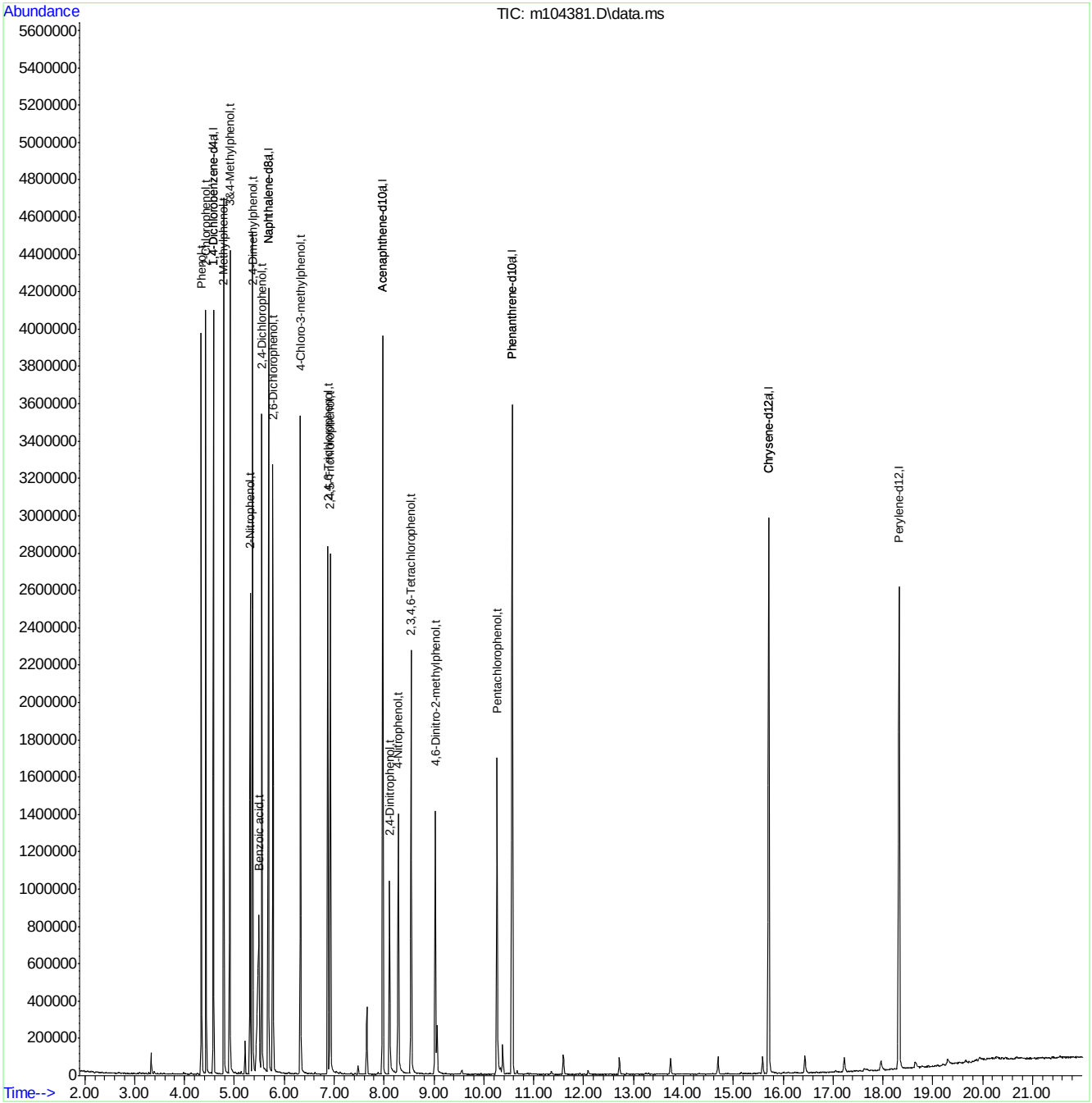
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:30:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integration Approval Summary

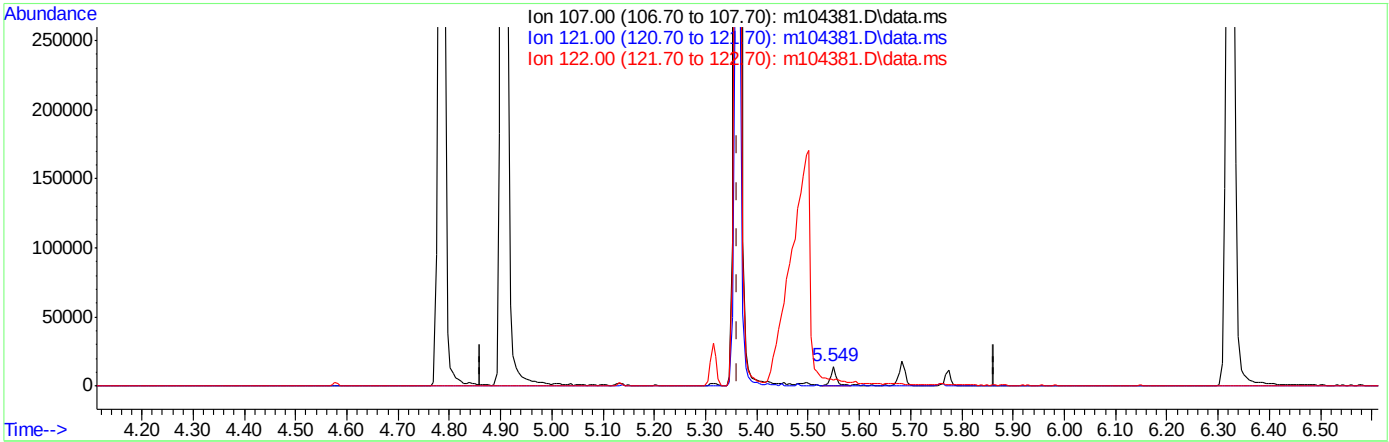
Sample Number: EM4272-ICV4271
Lab FileID: M104381.D
Injection Time: 05/14/14 12:29
Method: SW846 8270D
Analyst approved: 05/14/14 14:30 Saumil Patel
Supervisor approved: 05/14/14 17:03 Nina Pandya

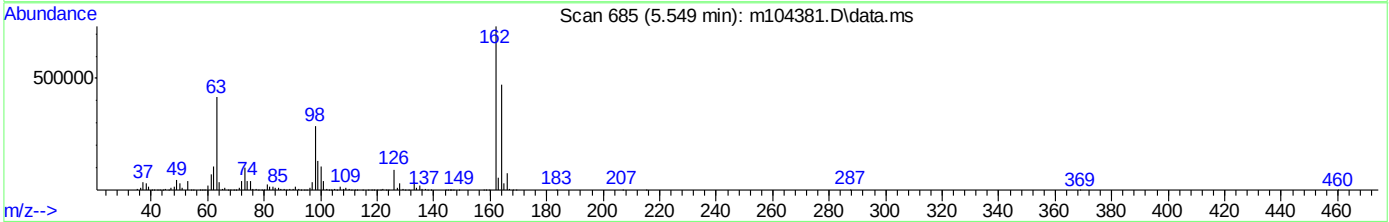
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-Dimethylphenol	105-67-9		5.36	Poor instrument integration

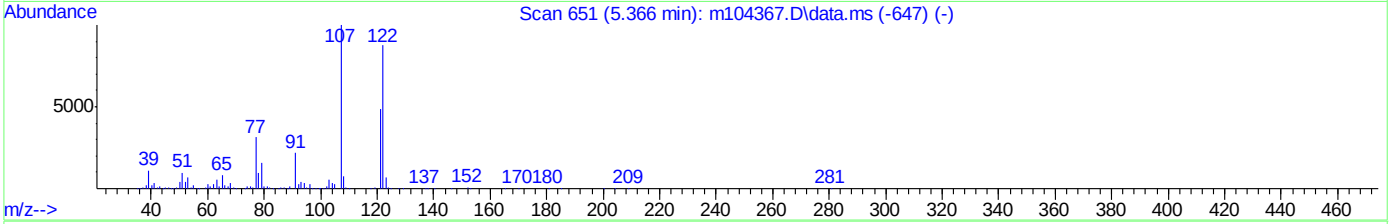
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration







TIC: m104381.D\data.ms

(30) 2,4-Dimethylphenol (t)

5.549min (+0.187) 0.63ppb

response 10197

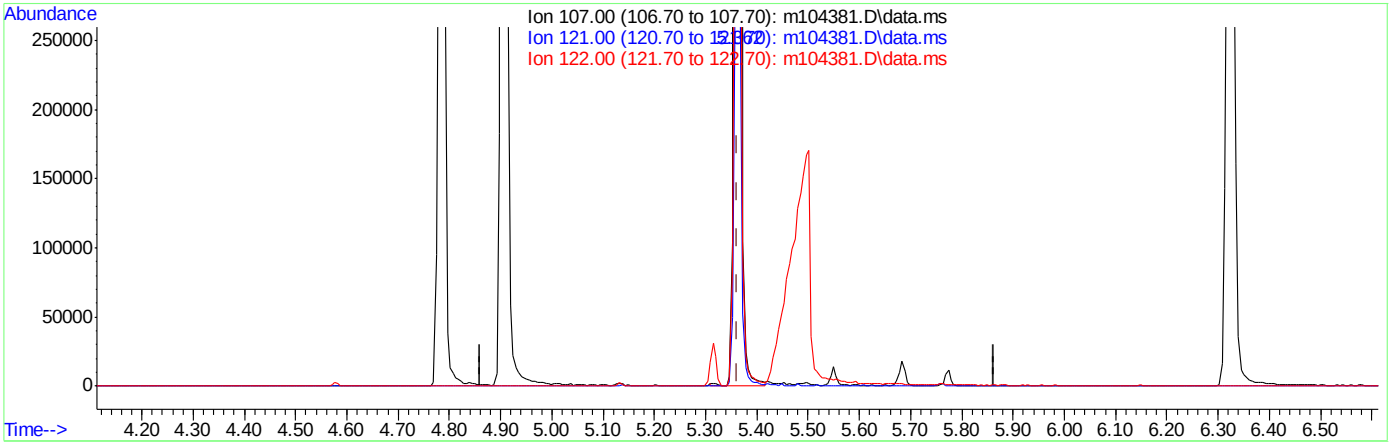
Ion	Exp%	Act%
107.00	100	100
121.00	0.00	0.00
122.00	3.30	0.00
0.00	0.00	0.00

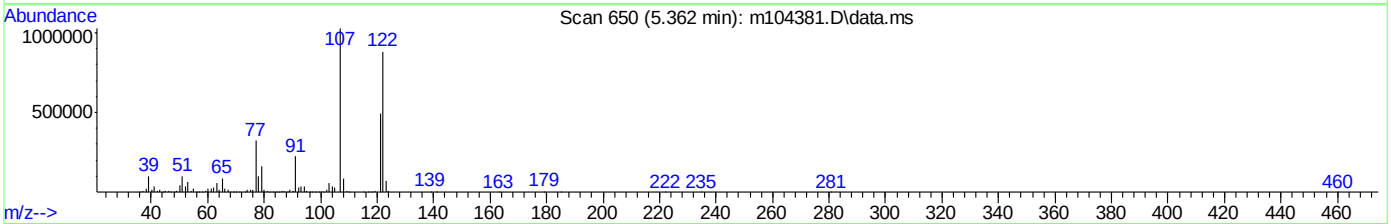
ACCUTEST LABORATORIES JB68318

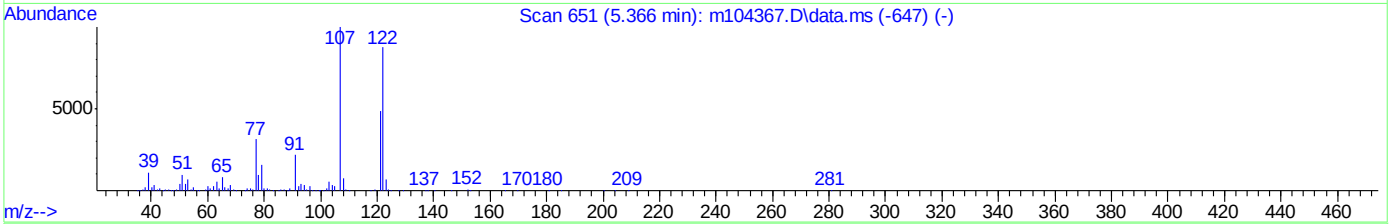
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration







TIC: m104381.D\data.ms

(30) 2,4-Dimethylphenol (t)

5.362min (0.000) 48.61ppb m

response 787620

Ion	Exp%	Act%
107.00	100	100
121.00	0.00	47.74#
122.00	3.30	85.85#
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382a.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 14:09:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:07:27 2014
Response via : Initial Calibration

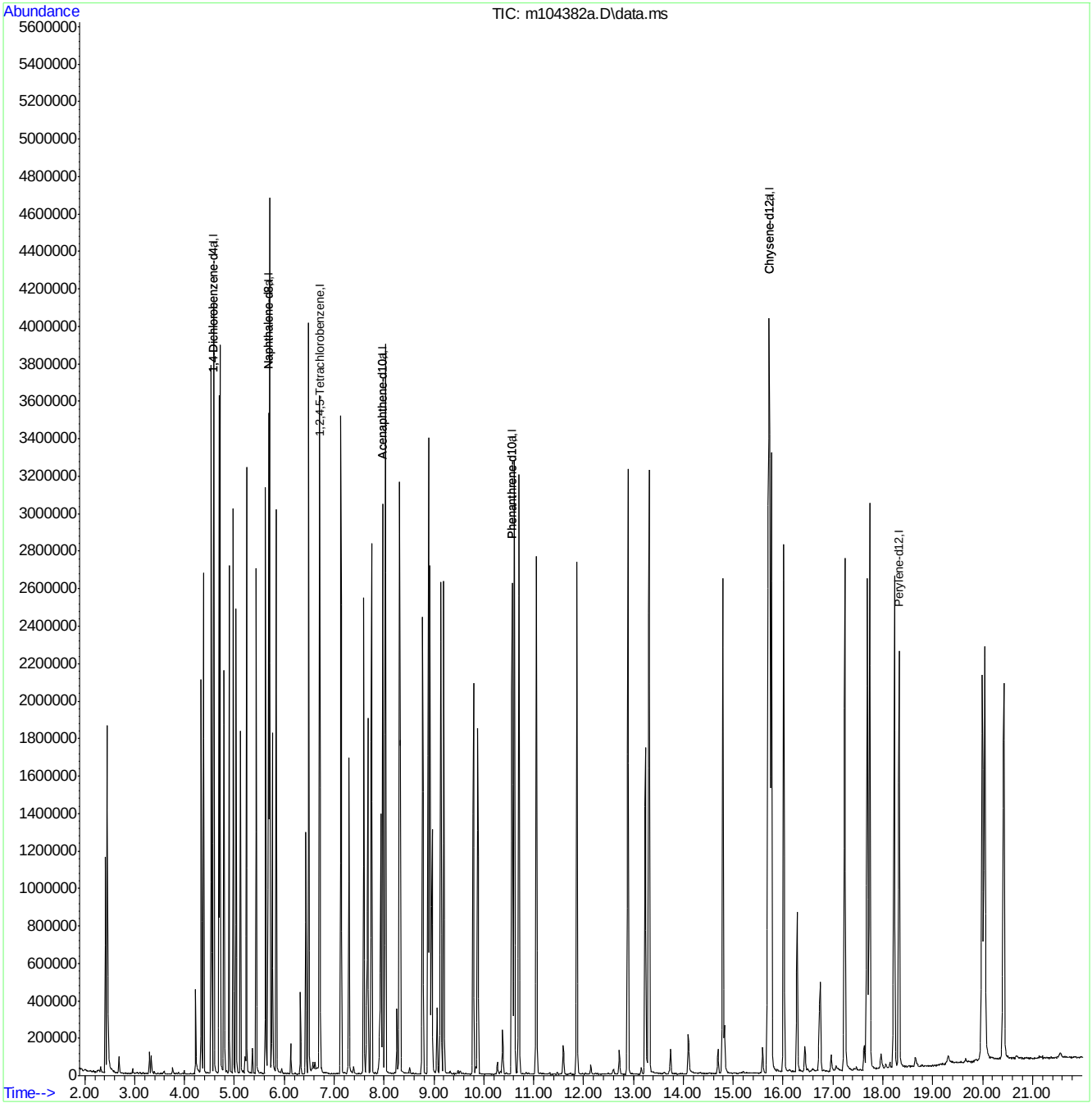
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4		4.578	152	408177	40.00	ppb	0.00
24) Naphthalene-d8		5.684	136	1459011	40.00	ppb	0.00
47) Acenaphthene-d10		7.975	164	848781	40.00	ppb	0.00
69) Phenanthrene-d10		10.566	188	1420847	40.00	ppb	0.00
83) Chrysene-d12		15.721	240	1257082	40.00	ppb	0.01
92) Perylene-d12		18.328	264	1111135	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a		4.578	152	408177	40.00	ppb	0.00
104) Acenaphthene-d10a		7.975	164	848781	40.00	ppb	0.00
107) Chrysene-d12a		15.721	240	1257082	40.00	ppb	0.00
110) Phenanthrene-d10a		10.566	188	1420847	40.00	ppb	0.00
112) Naphthalene-d8a		5.684	136	1459011	40.00	ppb	0.00
System Monitoring Compounds							
5) 2-Fluorophenol		0.000	112	0d	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
8) Phenol-d5		0.000	99	0d	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5		0.000	82	0d	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl		0.000	172	0	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol		0.000	330	0	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
86) Terphenyl-d14		0.000	244	0	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
109) 1-chlorooctadecane		0.000	57	0	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
111) o-terphenyl		0.000	230	0	0.00	ppb	
Spiked Amount	50.000			Recovery	=	0.00%	
Target Compounds							Qvalue
105) 1,2,4,5-Tetrachloroben...		6.715	216	562466	42.22	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382a.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 14:09:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:07:27 2014
Response via : Initial Calibration



MM4271.M Wed May 14 14:09:12 2014 MSM Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 17:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:38:40 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.578	152	408177	40.00	ppb		0.00
24) Naphthalene-d8	5.684	136	1459011	40.00	ppb		0.00
47) Acenaphthene-d10	7.975	164	848781	40.00	ppb		0.00
69) Phenanthrene-d10	10.566	188	1420847	40.00	ppb		0.00
83) Chrysene-d12	15.721	240	1257082	40.00	ppb		0.00
92) Perylene-d12	18.328	264	1111135	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	408177	40.00	ppb		0.00
104) Acenaphthene-d10a	7.975	164	848781	40.00	ppb		0.00
107) Chrysene-d12a	15.721	240	1257082	40.00	ppb		0.00
110) Phenanthrene-d10a	10.566	188	1420847	40.00	ppb		0.00
112) Naphthalene-d8a	5.684	136	1459011	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
3) Pyridine	2.446	79	717742	39.28	ppb		99
4) N-Nitrosodimethylamine	2.414	42	304242	46.81	ppb		100
11) bis(2-Chloroethyl)ether	4.380	93	678140	46.97	ppb		99
14) 1,3-Dichlorobenzene	4.535	146	713679	44.12	ppb		97
15) 1,4-Dichlorobenzene	4.594	146	726170	44.14	ppb		98
16) Benzyl alcohol	4.690	108	443857	44.07	ppb	#	1
17) 1,2-Dichlorobenzene	4.711	146	689450	44.66	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.791	121	214992	46.55	ppb		93
22) n-Nitroso-di-n-propyla...	4.893	70	502178	47.21	ppb		97
23) Hexachloroethane	4.978	201	258972	45.58	ppb		95
26) Nitrobenzene	5.037	77	746437	44.80	ppb		98
28) Isophorone	5.240	82	1247211	44.15	ppb		98
32) bis(2-Chloroethoxy)met...	5.438	93	785140m	48.26	ppb		
36) 1,2,4-Trichlorobenzene	5.625	180	560732	44.55	ppb		99
38) Naphthalene	5.705	128	1881159	45.19	ppb		94
42) Hexachlorobutadiene	5.838	225	317383	45.77	ppb		97
44) 2-Methylnaphthalene	6.490	141	983707	43.12	ppb	#	3
48) Hexachlorocyclopentadiene	6.704	237	280095	41.07	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:38:40 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration

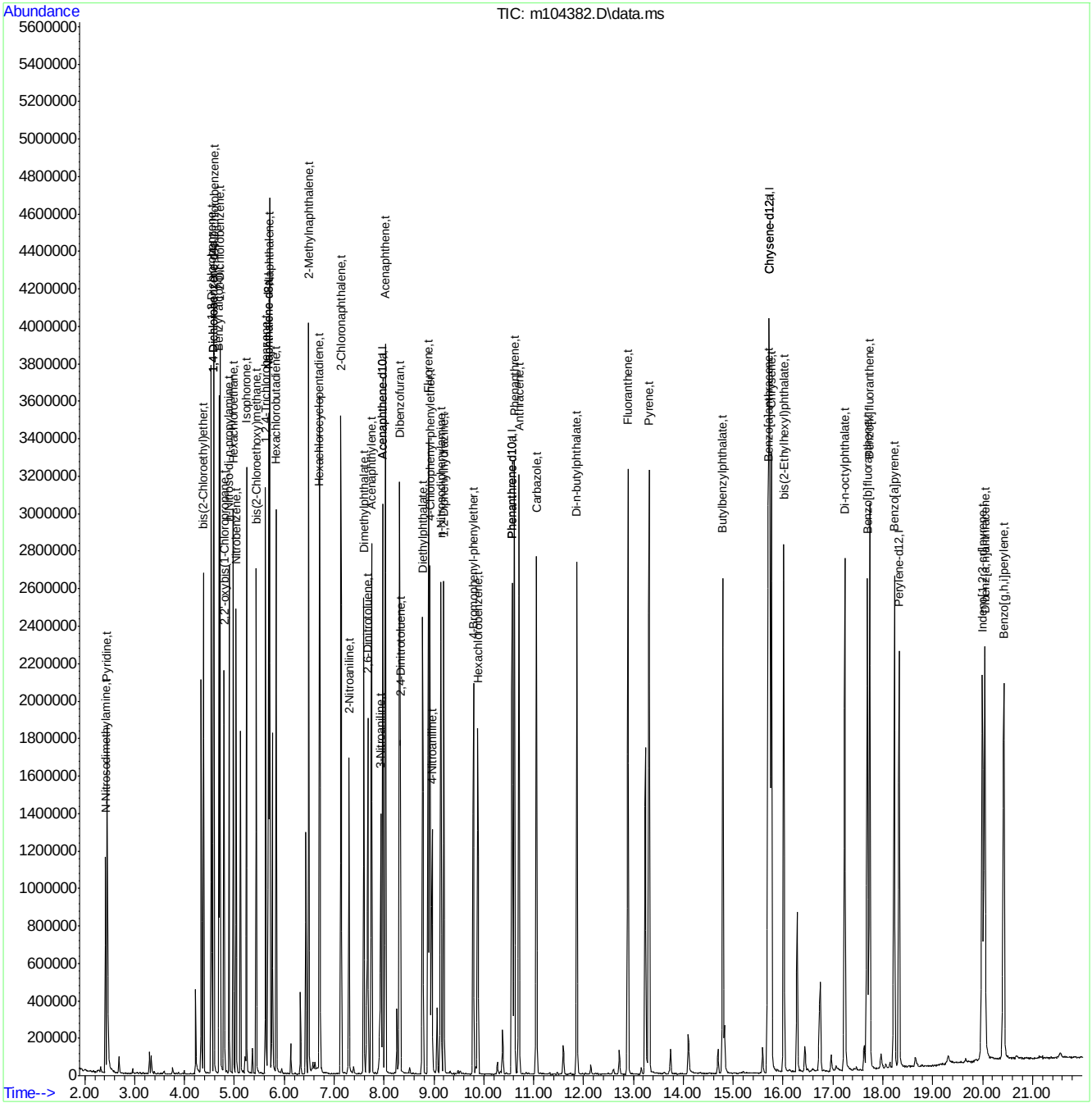
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	2-Chloronaphthalene	7.137	162	1124691	44.32	ppb		98
54)	2-Nitroaniline	7.302	65	356946	43.49	ppb		98
55)	Dimethylphthalate	7.596	163	1239061	44.66	ppb		99
56)	Acenaphthylene	7.751	152	1558470	38.31	ppb		99
57)	2,6-Dinitrotoluene	7.676	165	280715	43.10	ppb		96
58)	3-Nitroaniline	7.938	138	281729	37.84	ppb		100
59)	Acenaphthene	8.029	153	1131925	45.84	ppb		98
62)	Dibenzofuran	8.312	168	1553839	43.59	ppb		97
63)	2,4-Dinitrotoluene	8.328	165	372437	41.96	ppb		96
65)	Diethylphthalate	8.777	149	1207938	44.23	ppb		99
66)	Fluorene	8.889	166	1306738	45.17	ppb		99
67)	4-Chlorophenyl-phenyle...	8.921	204	635580	45.90	ppb		99
68)	4-Nitroaniline	8.964	138	310169	42.76	ppb		96
71)	n-Nitrosodiphenylamine	9.140	169	906994	46.79	ppb		97
72)	1,2-Diphenylhydrazine	9.199	77	1411859	44.74	ppb		97
74)	4-Bromophenyl-phenylether	9.792	248	348769	46.85	ppb		99
75)	Hexachlorobenzene	9.882	284	334622	43.23	ppb		99
77)	Phenanthrene	10.614	178	1801642	43.38	ppb		99
78)	Anthracene	10.705	178	1840275	43.41	ppb		99
79)	Carbazole	11.058	167	1653487	38.49	ppb		100
80)	Di-n-butylphthalate	11.864	149	2045951	45.06	ppb		100
81)	Fluoranthene	12.890	202	1994751	43.20	ppb	#	1
84)	Pyrene	13.317	202	2069502	47.97	ppb		93
87)	Butylbenzylphthalate	14.792	149	886980	49.46	ppb		97
88)	Benzo[a]anthracene	15.700	228	1770784	45.70	ppb		79
90)	Chrysene	15.770	228	1765932	49.31	ppb		79
91)	bis(2-Ethylhexyl)phtha...	16.015	149	1230565	48.40	ppb		98
93)	Di-n-octylphthalate	17.239	149	2124716	48.98	ppb		99
94)	Benzo[b]fluoranthene	17.693	252	1736232	45.64	ppb		100
95)	Benzo[k]fluoranthene	17.741	252	1698805	47.43	ppb		70
96)	Benzo[a]pyrene	18.232	252	1598732	47.47	ppb		68
97)	Indeno[1,2,3-cd]pyrene	20.000	276	1466038	44.56	ppb		100
99)	Dibenz[a,h]anthracene	20.049	278	1452279	46.51	ppb		99
101)	Benzo[g,h,i]perylene	20.428	276	1553619	47.11	ppb		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:38:40 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration



Manual Integration Approval Summary

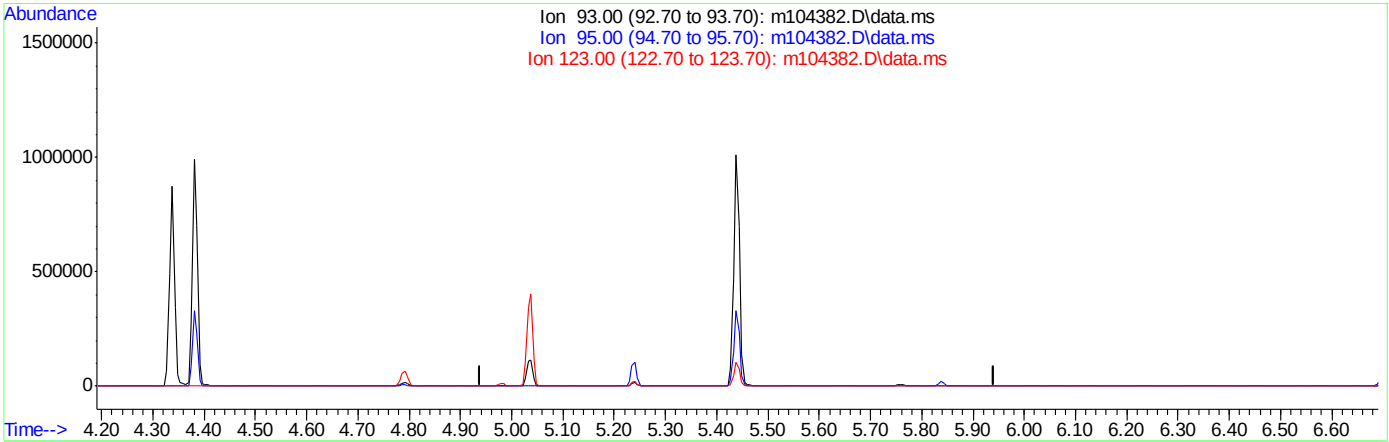
Sample Number: EM4272-ICV4271 **Method:** SW846 8270D
Lab FileID: M104382.D **Analyst approved:** 05/14/14 14:30 Saumil Patel
Injection Time: 05/14/14 12:57 **Supervisor approved:** 05/14/14 17:03 Nina Pandya

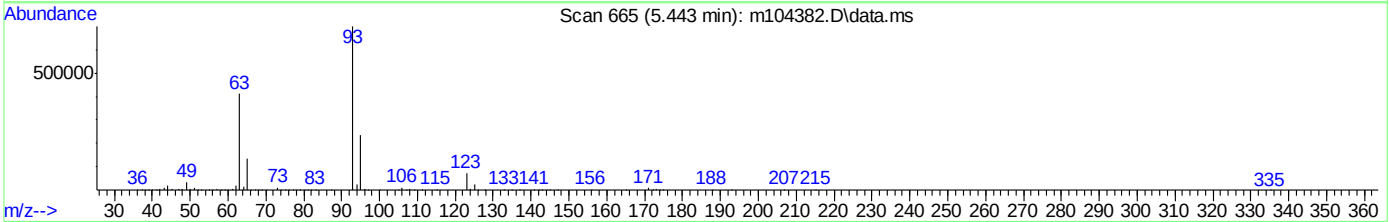
Parameter	CAS	Sig#	R.T. (min.)	Reason
bis(2-Chloroethoxy)methane	111-91-1		5.44	Poor instrument integration

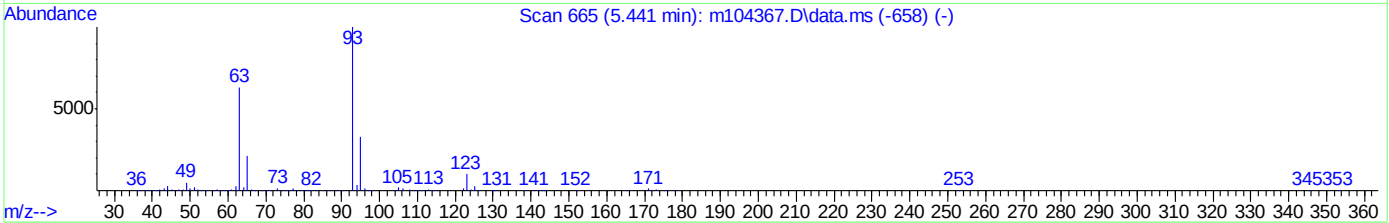
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:34:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration







TIC: m104382.D\data.ms

(32) bis(2-Chloroethoxy)methane (t)

5.441min 0.00ppb d

response 0

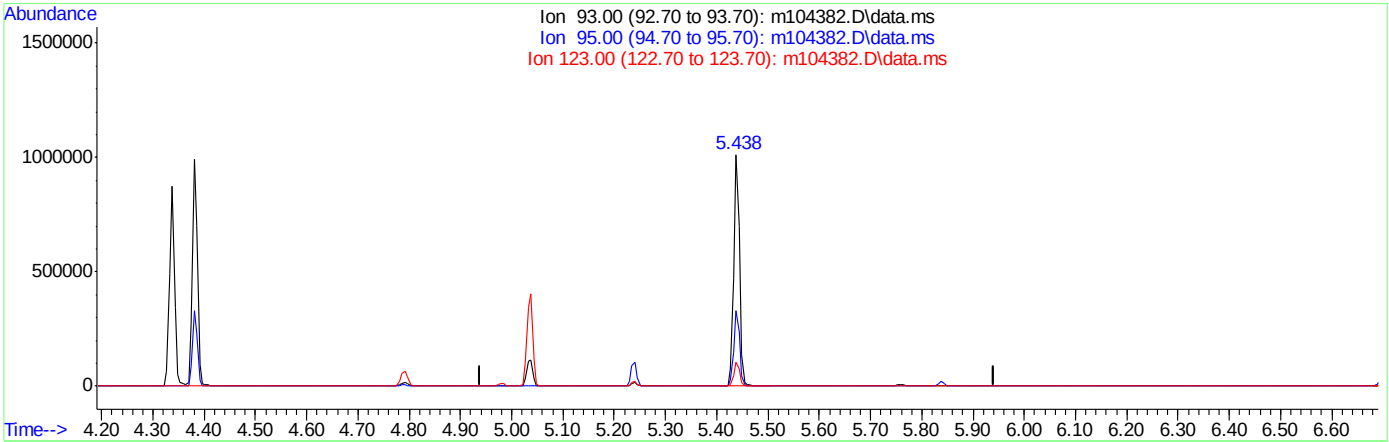
Ion	Exp%	Act%
93.00	100	0.00
95.00	96.90	0.00
123.00	0.00	0.00
0.00	0.00	0.00

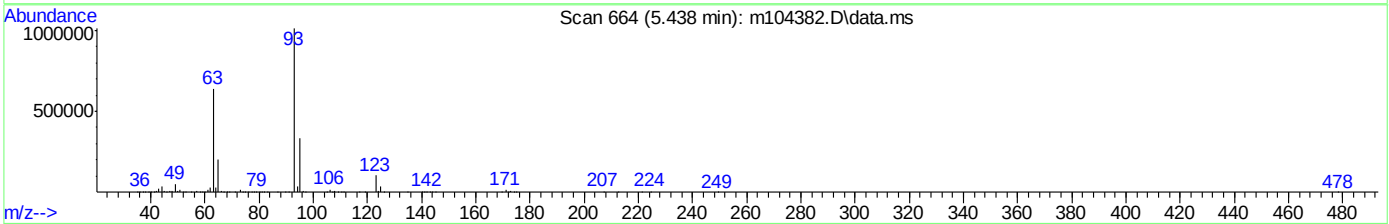
ACCUTEST LABORATORIES JB68318

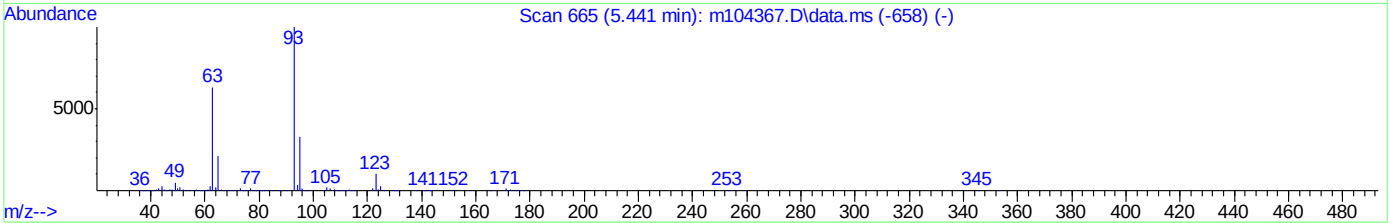
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:34:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration







TIC: m104382.D\data.ms

(32) bis(2-Chloroethoxy)methane (t)

5.438min (-0.003) 48.26ppb m

response 785140

Ion	Exp%	Act%
93.00	100	100
95.00	96.90	32.58#
123.00	0.00	10.22
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383a.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

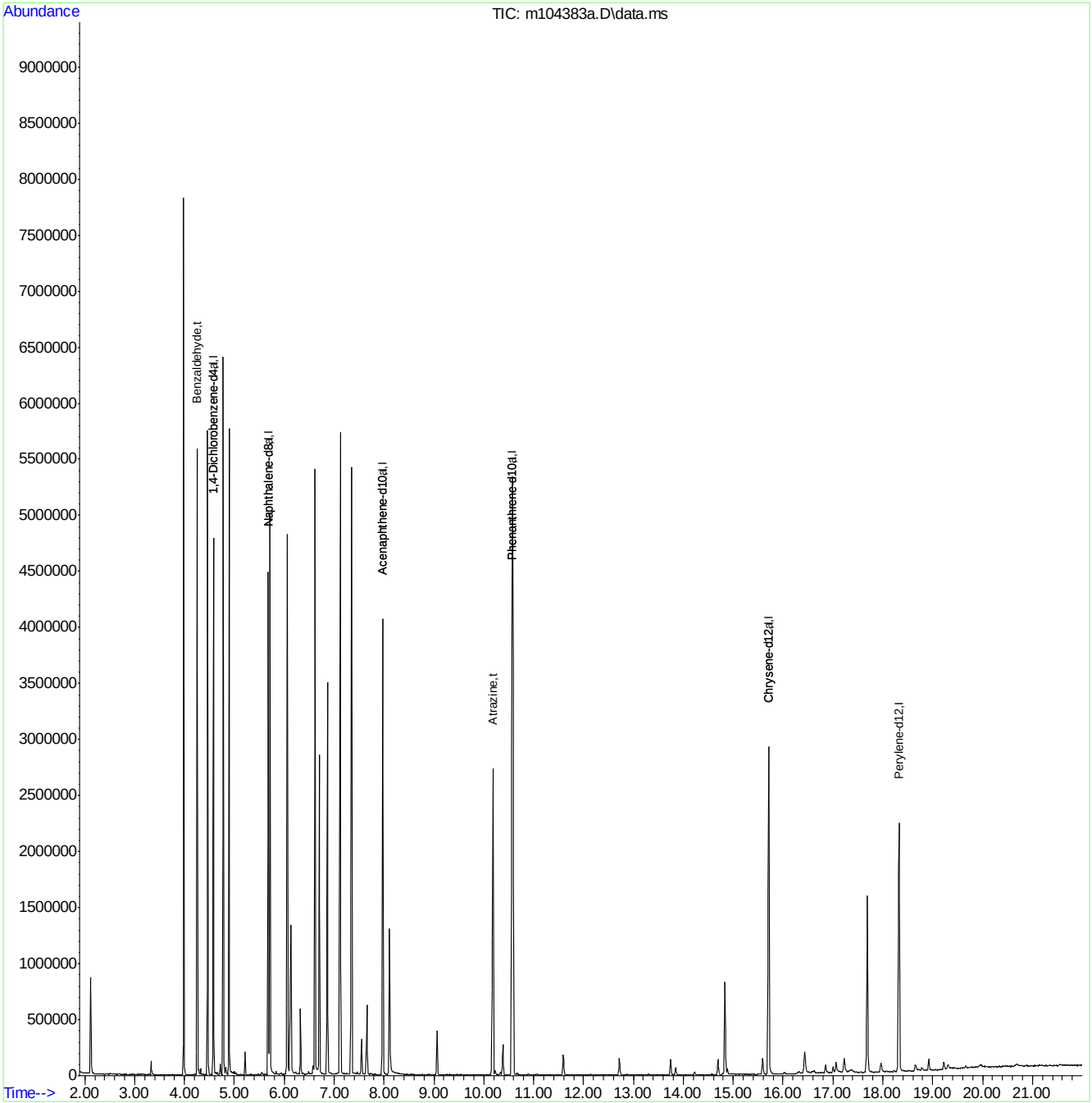
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	526898	40.00	ppb	0.00
24) Naphthalene-d8	5.678	136	1897184	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	1096374	40.00	ppb	0.00
69) Phenanthrene-d10	10.566	188	1766451	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1608603	40.00	ppb	-0.01
92) Perylene-d12	18.328	264	1204624	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	526898	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	1096374	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1608603	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.566	188	1766451	40.00	ppb	0.00
112) Naphthalene-d8a	5.678	136	1897184	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.252	105	850168	55.37	ppb	99
106) Atrazine	10.187	215	281870	48.38	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383a.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

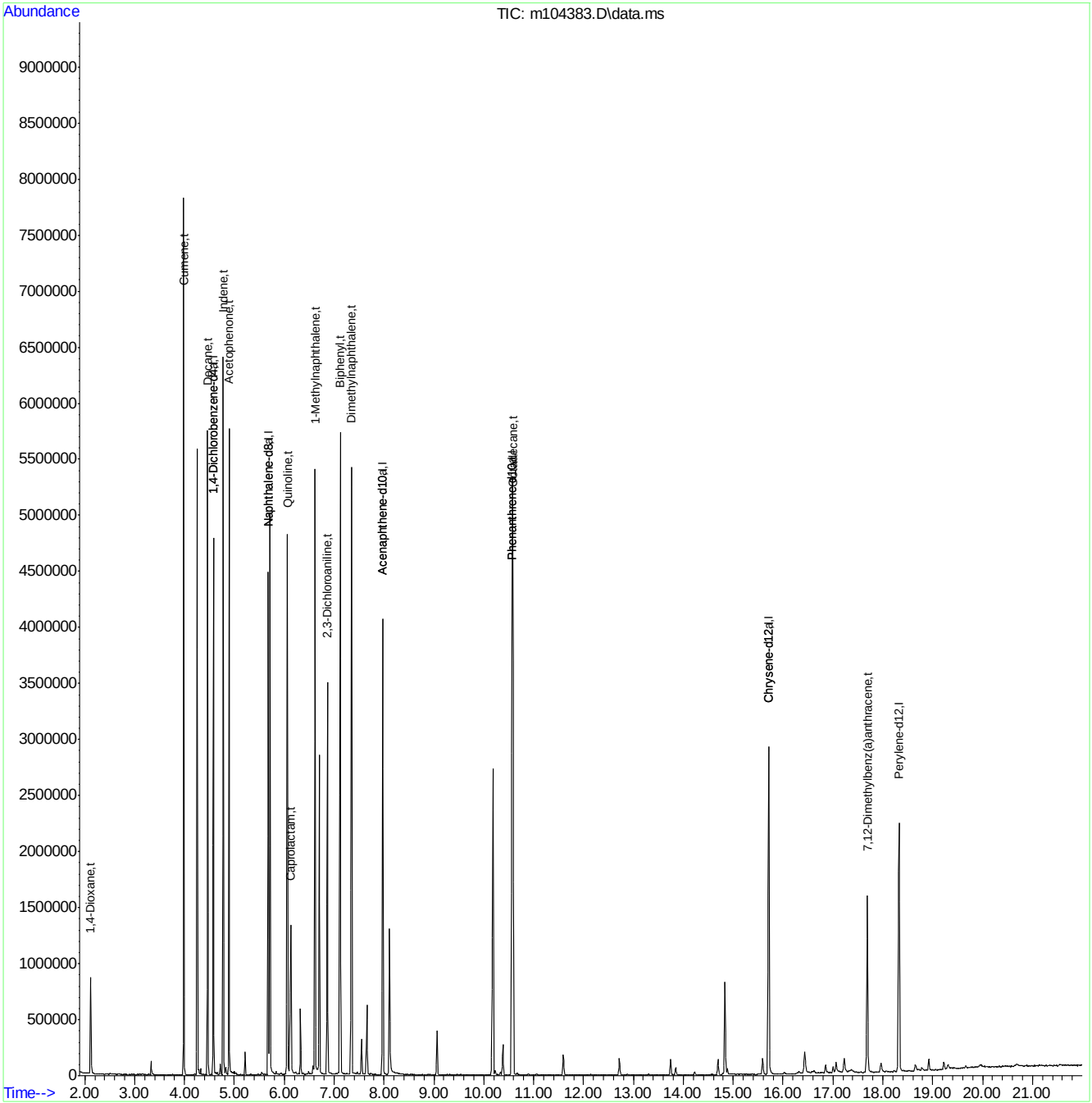
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	526898	40.00	ppb	0.00
24) Naphthalene-d8	5.678	136	1897184	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	1096374	40.00	ppb	0.00
69) Phenanthrene-d10	10.566	188	1766451	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1608603	40.00	ppb	-0.01
92) Perylene-d12	18.328	264	1204624	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	526898	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	1096374	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1608603	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.566	188	1766451	40.00	ppb	0.00
112) Naphthalene-d8a	5.678	136	1897184	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.115	88	382728	41.01	ppb	96
6) Indene	4.775	116	1717813	48.13	ppb	99
7) Cumene	3.985	105	2364435	45.38	ppb	99
13) Decane	4.465	43	726221	42.29	ppb	99
18) Acetophenone	4.893	105	1381743	47.44	ppb	97
27) Quinoline	6.063	129	1854352	46.47	ppb	98
40) 2,3-Dichloroaniline	6.864	161	850409	42.98	ppb	98
41) Caprolactam	6.132	55	358158	43.92	ppb	96
45) 1-Methylnaphthalene	6.618	142	1689333	45.85	ppb	100
46) Dimethylnaphthalene	7.345	156	1566891	46.24	ppb	99
53) Biphenyl	7.121	154	2146659	46.83	ppb	98
82) Octadecane	10.582	57	1030509	47.07	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.693	256	478032	24.97	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104384.D
Acq On : 14 May 2014 1:54 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 14 14:24:47 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

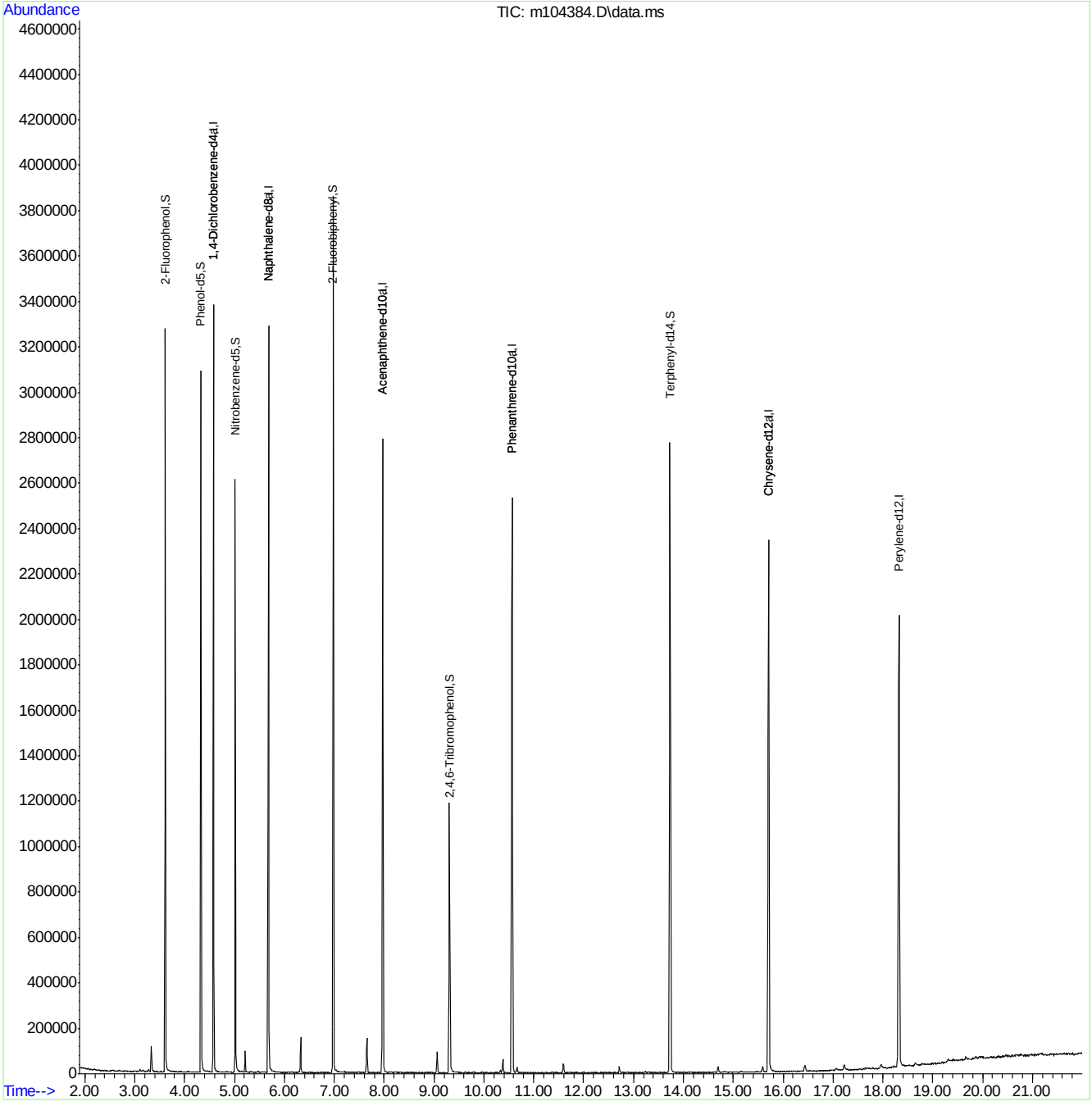
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.576	152	398948	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1401517	40.00	ppb	0.00
47) Acenaphthene-d10	7.974	164	769026	40.00	ppb	0.00
69) Phenanthrene-d10	10.565	188	1260895	40.00	ppb	0.00
83) Chrysene-d12	15.709	240	1173785	40.00	ppb	-0.02
92) Perylene-d12	18.321	264	1014181	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.576	152	398948	40.00	ppb	0.00
104) Acenaphthene-d10a	7.974	164	769026	40.00	ppb	0.00
107) Chrysene-d12a	15.709	240	1173785	40.00	ppb	-0.02
110) Phenanthrene-d10a	10.565	188	1260895	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1401517	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	727269	51.30	ppb	0.00
Spiked Amount 50.000			Recovery = 102.60%			
8) Phenol-d5	4.325	99	867359	49.30	ppb	0.00
Spiked Amount 50.000			Recovery = 98.60%			
25) Nitrobenzene-d5	5.014	82	801238	53.31	ppb	0.00
Spiked Amount 50.000			Recovery = 106.62%			
51) 2-Fluorobiphenyl	6.980	172	1343001	52.90	ppb	0.00
Spiked Amount 50.000			Recovery = 105.80%			
73) 2,4,6-Tribromophenol	9.315	330	158443	51.23	ppb	0.00
Spiked Amount 50.000			Recovery = 102.46%			
86) Terphenyl-d14	13.732	244	1345702	54.15	ppb	0.00
Spiked Amount 50.000			Recovery = 108.30%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104384.D
Acq On : 14 May 2014 1:54 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 14 14:24:47 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104385.D
Acq On : 14 May 2014 2:23 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 14 14:47:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

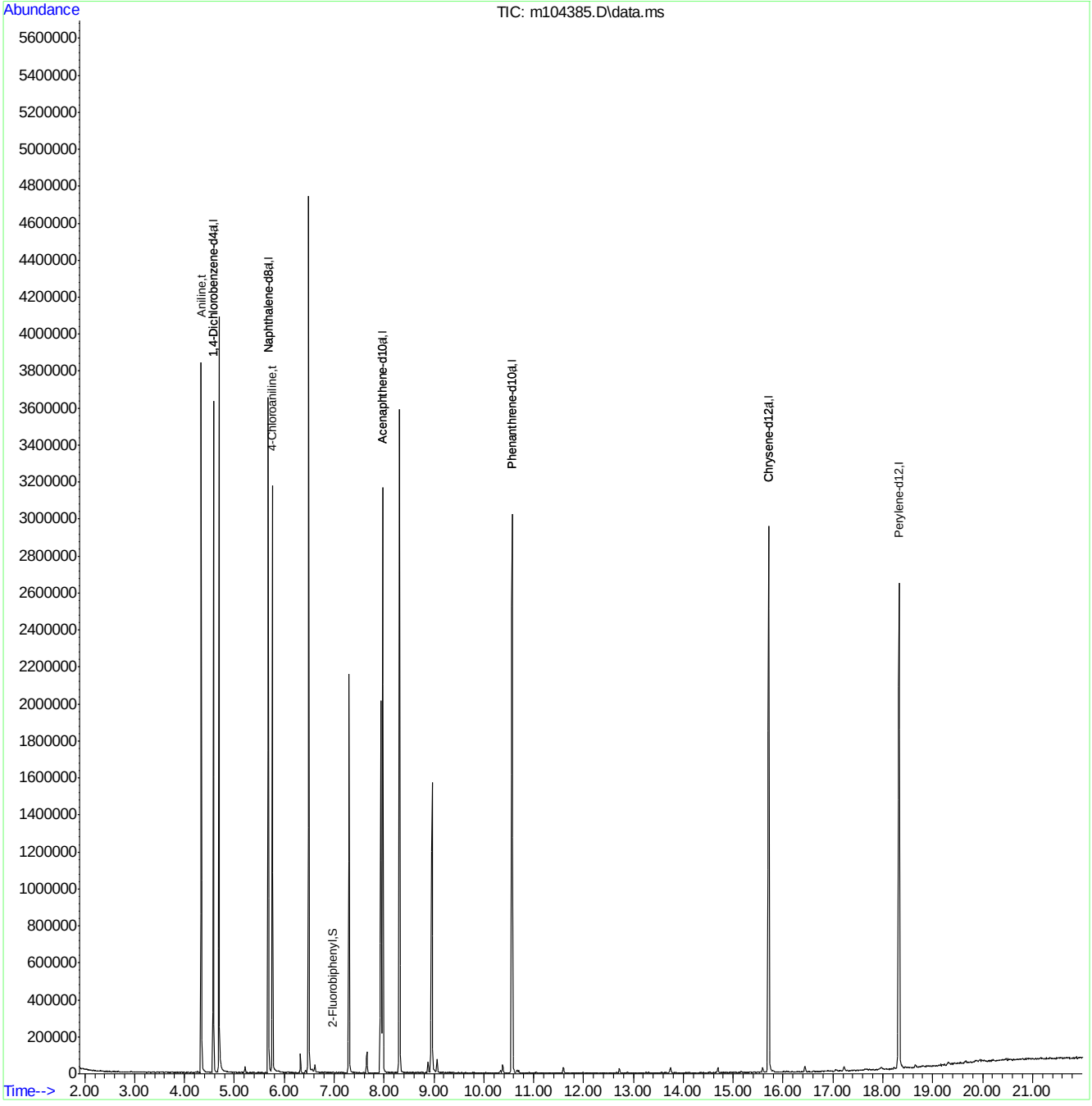
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	416008	40.00	ppb	0.00
24) Naphthalene-d8	5.678	136	1534062	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	885300	40.00	ppb	0.00
69) Phenanthrene-d10	10.566	188	1551311	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1547982	40.00	ppb	-0.01
92) Perylene-d12	18.328	264	1424082	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	416008	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	885300	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1547982	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.566	188	1551311	40.00	ppb	0.00
112) Naphthalene-d8a	5.678	136	1534062	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	6.982	172	1702	0.06	ppb	0.00
Spiked Amount 50.000			Recovery =	0.12%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.337	93	1266007	53.43	ppb	# 61
39) 4-Chloroaniline	5.764	127	932037	50.73	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104385.D
Acq On : 14 May 2014 2:23 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 14 14:47:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



MM4271.M Wed May 14 14:48:06 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104386.D
Acq On : 14 May 2014 2:52 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 16:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

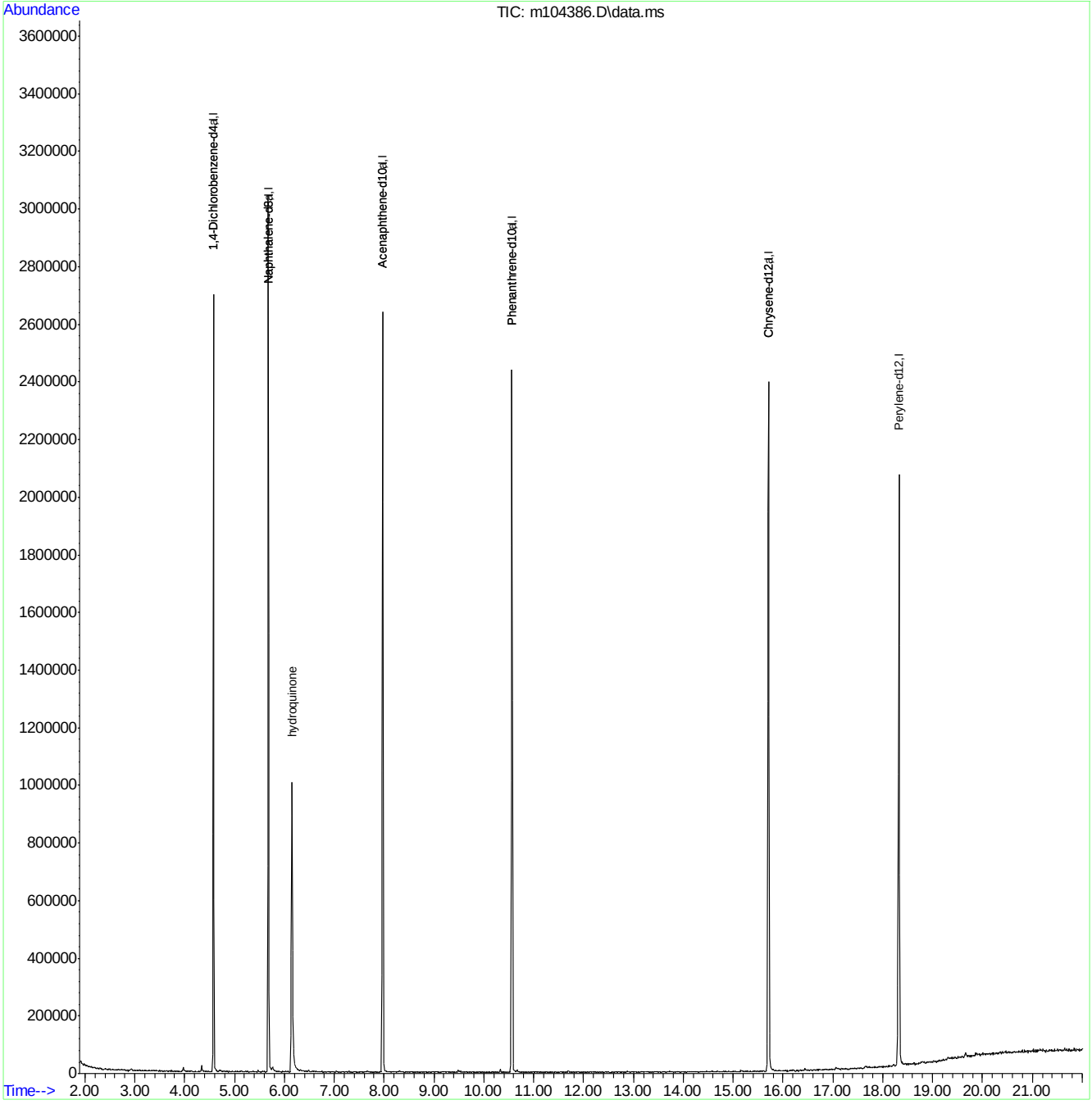
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	343370	40.00	ppb	0.00
24) Naphthalene-d8	5.680	136	1227621	40.00	ppb	0.00
47) Acenaphthene-d10	7.972	164	704210	40.00	ppb	0.00
69) Phenanthrene-d10	10.563	188	1221213	40.00	ppb	-0.01
83) Chrysene-d12	15.708	240	1209448	40.00	ppb	-0.02
92) Perylene-d12	18.325	264	1076621	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.575	152	343370	40.00	ppb	0.00
104) Acenaphthene-d10a	7.972	164	704210	40.00	ppb	0.00
107) Chrysene-d12a	15.708	240	1209448	40.00	ppb	-0.02
110) Phenanthrene-d10a	10.563	188	1221213	40.00	ppb	-0.01
112) Naphthalene-d8a	5.680	136	1227621	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) hydroquinone	6.156	110	733894	63.16	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104386.D
Acq On : 14 May 2014 2:52 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 16:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

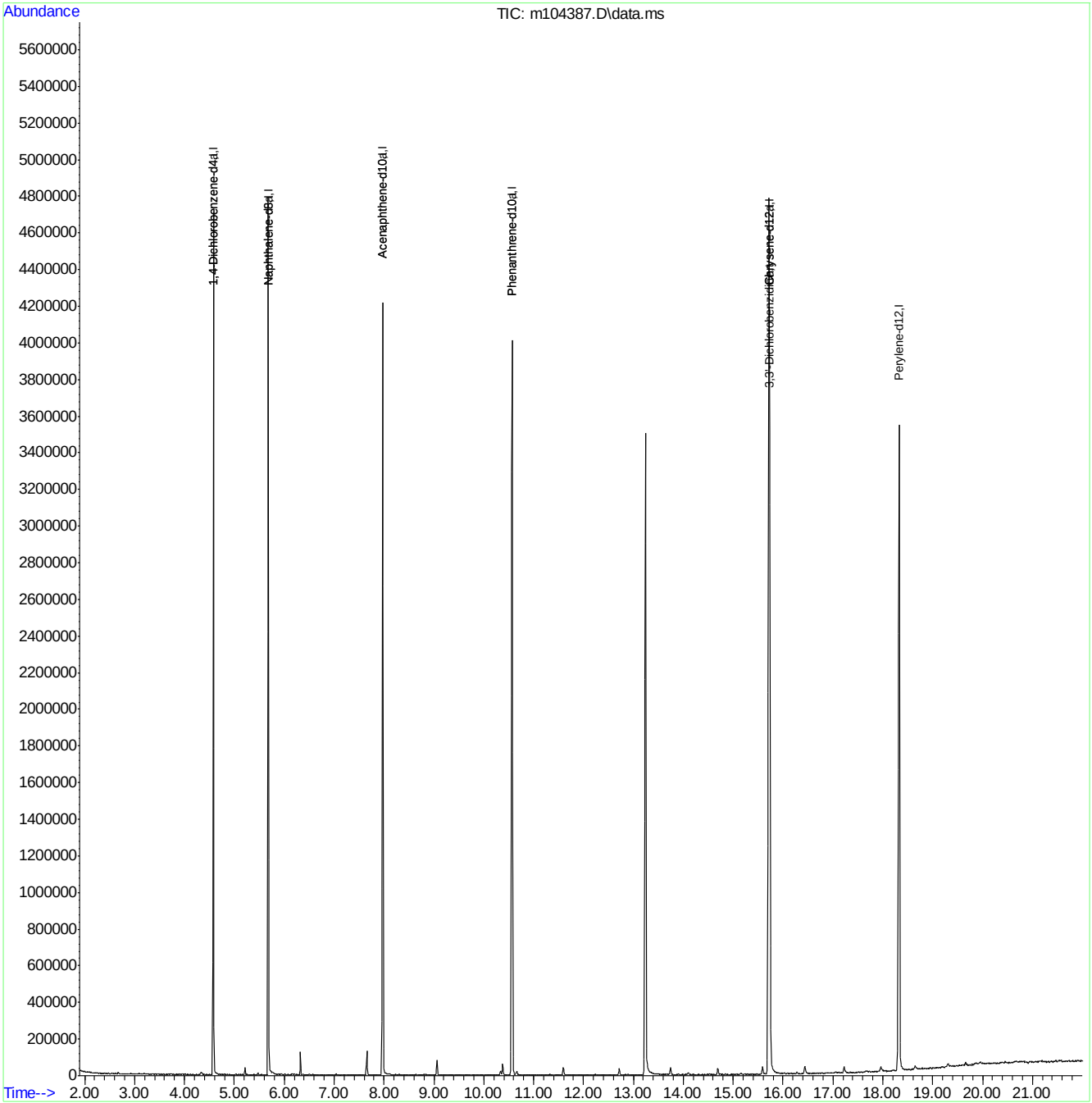
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	557585	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	2033706	40.00	ppb	0.00
47) Acenaphthene-d10	7.976	164	1194575	40.00	ppb	0.00
69) Phenanthrene-d10	10.567	188	2077310	40.00	ppb	0.00
83) Chrysene-d12	15.717	240	2120577	40.00	ppb	0.00
92) Perylene-d12	18.329	264	1997777	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	557585	40.00	ppb	0.00
104) Acenaphthene-d10a	7.976	164	1194575	40.00	ppb	0.00
107) Chrysene-d12a	15.717	240	2120577	40.00	ppb	0.00
110) Phenanthrene-d10a	10.567	188	2077310	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	2033706	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	15.733	252	1103625	47.50	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387a.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

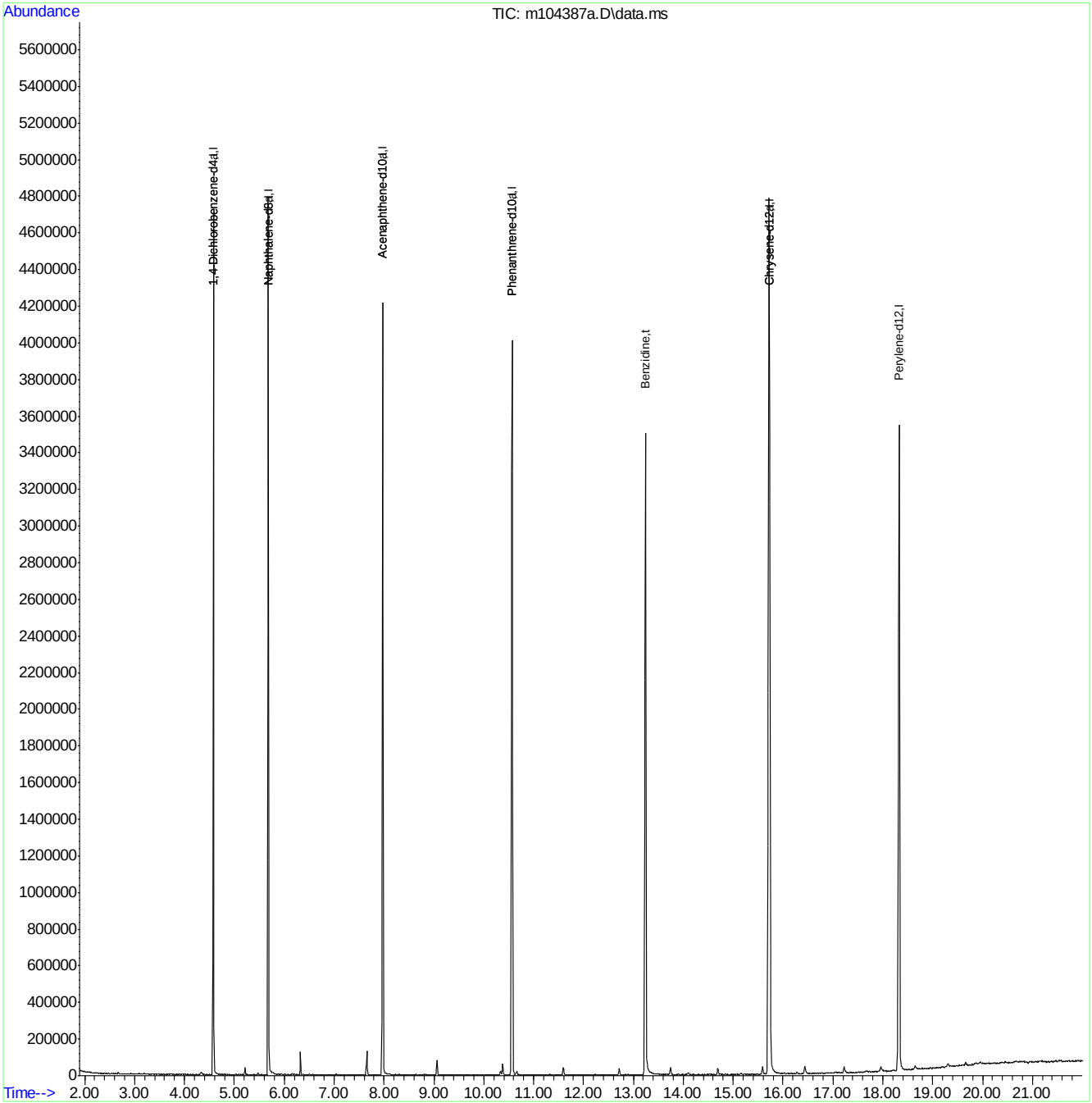
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	557585	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	2033706	40.00	ppb	0.00
47) Acenaphthene-d10	7.976	164	1194575	40.00	ppb	0.00
69) Phenanthrene-d10	10.567	188	2077310	40.00	ppb	0.00
83) Chrysene-d12	15.717	240	2120577	40.00	ppb	0.00
92) Perylene-d12	18.329	264	1997777	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	557585	40.00	ppb	0.00
104) Acenaphthene-d10a	7.976	164	1194575	40.00	ppb	0.00
107) Chrysene-d12a	15.717	240	2120577	40.00	ppb	0.00
110) Phenanthrene-d10a	10.567	188	2077310	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	2033706	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	13.243	184	2130510	51.65	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387a.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68318

Manual Integrations APPROVED
(compounds with "m" flag)
Cheng-Hwan Ao
06/10/14 12:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:31:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.523	152	307605	40.00	ppb		0.00
24) Naphthalene-d8	5.613	136	1159351	40.00	ppb		0.00
47) Acenaphthene-d10	7.867	164	761039	40.00	ppb		0.00
69) Phenanthrene-d10	10.453	188	1396914	40.00	ppb		0.00
83) Chrysene-d12	15.592	240	1282776	40.00	ppb		0.00
92) Perylene-d12	18.204	264	1008071	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.523	152	307605	40.00	ppb		0.00
104) Acenaphthene-d10a	7.867	164	761039	40.00	ppb		0.00
107) Chrysene-d12a	15.592	240	1282776	40.00	ppb		0.00
109) Naphthalene-d8a	5.613	136	1159351	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.609	112	467445	42.76	ppb		0.00
Spiked Amount 50.000			Recovery = 85.52%				
8) Phenol-d5	4.330	99	660390	48.68	ppb		0.00
Spiked Amount 50.000			Recovery = 97.36%				
25) Nitrobenzene-d5	4.971	82	774388	62.29	ppb		0.00
Spiked Amount 50.000			Recovery = 124.58%				
51) 2-Fluorobiphenyl	6.889	172	1279128	50.91	ppb		0.00
Spiked Amount 50.000			Recovery = 101.82%				
73) 2,4,6-Tribromophenol	9.218	330	183683	53.60	ppb		0.00
Spiked Amount 50.000			Recovery = 107.20%				
86) Terphenyl-d14	13.594	244	1432660	52.75	ppb		0.00
Spiked Amount 50.000			Recovery = 105.50%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.049	88	198438	36.42	ppb		80
3) Pyridine	2.402	79	480297	34.88	ppb		70
4) N-Nitrosodimethylamine	2.370	42	415423	84.81	ppb	#	37
6) Indene	4.720	116	964624	46.29	ppb		95
7) Cumene	3.919	105	1475917	48.53	ppb		90
9) Phenol	4.341	94	762077	48.04	ppb		90
10) Aniline	4.304	93	671869	38.34	ppb		71
11) bis(2-Chloroethyl)ether	4.336	93	578652	53.19	ppb		86
12) 2-Chlorophenol	4.395	128	604241	51.98	ppb		84
13) Decane	4.389	43	609934	60.84	ppb		88
14) 1,3-Dichlorobenzene	4.480	146	590510	48.44	ppb		93
15) 1,4-Dichlorobenzene	4.533	146	612556	49.41	ppb		94
16) Benzyl alcohol	4.656	108	393036	51.79	ppb	#	63
17) 1,2-Dichlorobenzene	4.656	146	611879	52.59	ppb		94
18) Acetophenone	4.843	105	927150	54.53	ppb		87
19) 2-Methylphenol	4.774	108	486822	46.19	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.731	121	179067	51.45	ppb		89
21) 3&4-Methylphenol	4.897	108	532513	48.72	ppb		86
22) n-Nitroso-di-n-propyla...	4.849	70	524373	65.41	ppb		80
23) Hexachloroethane	4.913	201	245284	57.28	ppb		90
26) Nitrobenzene	4.987	77	866598	65.46	ppb		81
27) Quinoline	6.008	129	1097541	45.01	ppb		92
28) Isophorone	5.185	82	1289007	57.42	ppb		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:31:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.260	139	311337	51.69	ppb	#	26
30) 2,4-Dimethylphenol	5.329	107	661618	61.87	ppb		85
31) Benzoic acid	5.511	105	477908	58.94	ppb		85
32) bis(2-Chloroethoxy)met...	5.377	93	622949	48.19	ppb		100
33) 2,4-Dichlorophenol	5.516	162	455244	51.28	ppb		98
34) 2,6-Dichlorophenol	5.725	162	469019	53.49	ppb		95
35) 1,3,5-Trichlorobenzene	5.255	180	586699	51.50	ppb		97
36) 1,2,4-Trichlorobenzene	5.554	180	533002	53.29	ppb		97
37) 1,2,3-Trichlorobenzene	5.783	180	531118	49.56	ppb		96
38) Naphthalene	5.634	128	1658412	50.14	ppb		99
39) 4-Chloroaniline	5.719	127	646454	46.56	ppb		88
40) 2,3-Dichloroaniline	6.793	161	597665	49.43	ppb		86
41) Caprolactam	6.136	55	276989	55.58	ppb		88
42) Hexachlorobutadiene	5.757	225	362067	65.70	ppb		98
43) 4-Chloro-3-methylphenol	6.318	107	629666	61.12	ppb		86
44) 2-Methylnaphthalene	6.403	141	960586	53.00	ppb		89
45) 1-Methylnaphthalene	6.526	142	1097812	48.76	ppb		89
46) Dimethylnaphthalene	7.242	156	1120497	54.11	ppb		94
48) Hexachlorocyclopentadiene	6.601	237	780524	127.65	ppb		98
49) 2,4,6-Trichlorophenol	6.809	196	387162	52.24	ppb		97
50) 2,4,5-Trichlorophenol	6.889	196	429642	53.52	ppb		99
52) 2-Chloronaphthalene	7.044	162	1137978	50.01	ppb		92
53) Biphenyl	7.023	154	1460145	45.88	ppb		97
54) 2-Nitroaniline	7.247	65	549722	74.70	ppb	#	74
55) Dimethylphthalate	7.509	163	1340504	53.89	ppb		99
56) Acenaphthylene	7.648	152	1774226	48.64	ppb		99
57) 2,6-Dinitrotoluene	7.600	165	310679m	53.20	ppb		
58) 3-Nitroaniline	7.894	138	308326	46.19	ppb	#	73
59) Acenaphthene	7.920	153	1102340	49.79	ppb		97
60) 2,4-Dinitrophenol	8.059	184	376517	107.52	ppb	#	41
61) 4-Nitrophenol	8.353	109	342129	92.49	ppb	#	42
62) Dibenzofuran	8.203	168	1641205	51.34	ppb		87
63) 2,4-Dinitrotoluene	8.262	165	442786	55.64	ppb	#	57
64) 2,3,4,6-Tetrachlorophenol	8.471	232	354853	56.53	ppb		95
65) Diethylphthalate	8.674	149	1475541	60.26	ppb		97
66) Fluorene	8.775	166	1354449	52.22	ppb		98
67) 4-Chlorophenyl-phenyle...	8.802	204	692462	55.77	ppb		88
68) 4-Nitroaniline	8.946	138	322238	49.55	ppb	#	23
70) 4,6-Dinitro-2-methylph...	8.967	198	285372	55.24	ppb		75
71) n-Nitrosodiphenylamine	9.037	169	912112	47.86	ppb		98
72) 1,2-Diphenylhydrazine	9.080	77	1915586	61.74	ppb		92
74) 4-Bromophenyl-phenylether	9.662	248	383998	52.46	ppb	#	80
75) Hexachlorobenzene	9.758	284	410451	53.93	ppb		91
76) Pentachlorophenol	10.191	266	513372	112.96	ppb		98
77) Phenanthrene	10.495	178	1963189	48.07	ppb		99
78) Anthracene	10.591	178	1980717	47.52	ppb		100
79) Carbazole	10.976	167	1854249	43.90	ppb		97
80) Di-n-butylphthalate	11.719	149	2487459	55.72	ppb		97
81) Fluoranthene	12.766	202	2255240	49.67	ppb		95
82) Octadecane	10.399	57	936534	54.09	ppb		93

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:31:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration

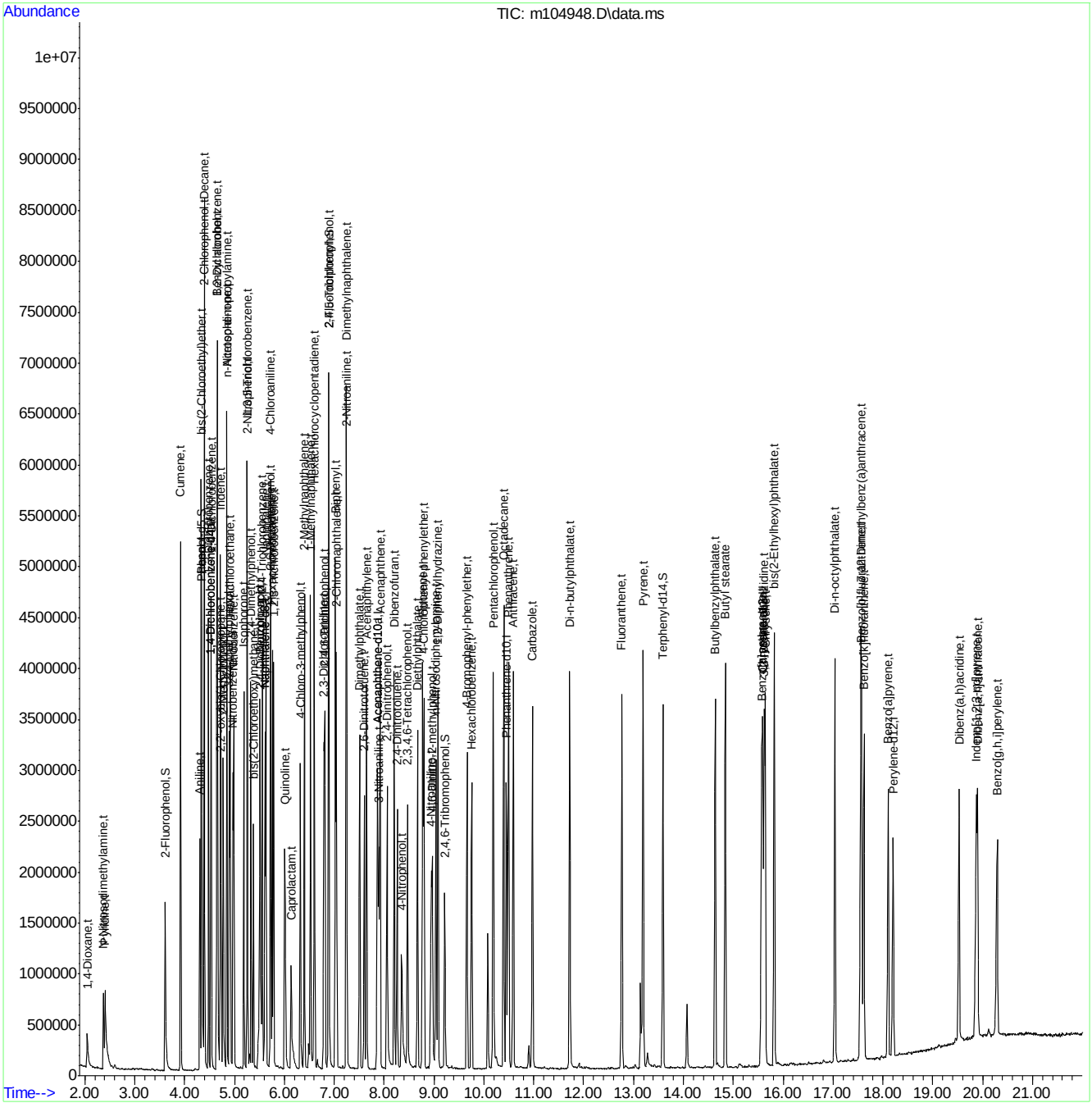
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	13.193	202	2340270	53.16	ppb	100
85) Butyl stearate	14.838	56	623365	61.25	ppb	98
87) Butylbenzylphthalate	14.641	149	1051470	57.46	ppb	81
88) Benzo[a]anthracene	15.570	228	1927294	48.75	ppb	98
89) 3,3'-Dichlorobenzidine	15.618	252	709216	50.46	ppb	98
90) Chrysene	15.645	228	1811441	49.57	ppb	97
91) bis(2-Ethylhexyl)phtha...	15.821	149	1451785	55.96	ppb	98
93) Di-n-octylphthalate	17.039	149	2442330	62.05	ppb	95
94) Benzo[b]fluoranthene	17.574	252	1873526	54.29	ppb	95
95) Benzo[k]fluoranthene	17.622	252	1676744	51.60	ppb	96
96) Benzo[a]pyrene	18.108	252	1542217	50.47	ppb	95
97) Indeno[1,2,3-cd]pyrene	19.871	276	1642809m	55.04	ppb	
98) Dibenz(a,h)acridine	19.529	279	1255553	46.44	ppb	92
99) Dibenz[a,h]anthracene	19.903	278	1436373	50.71	ppb	94
100) 7,12-Dimethylbenz(a)an...	17.563	256	879660	51.66	ppb	92
101) Benzo[g,h,i]perylene	20.293	276	1409683	47.12	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:31:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration



Manual Integration Approval Summary

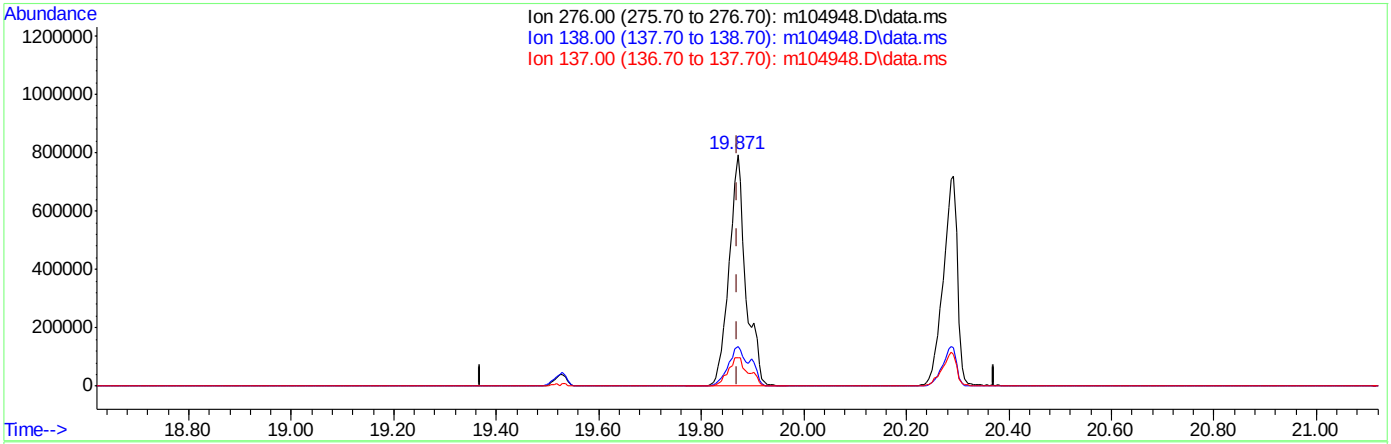
Sample Number:	EM4298-CC4271	**Method:**	SW846 8270D
Lab FileID:	M104948.D	**Analyst approved:**	06/09/14 13:06 Saumil Patel
Injection Time:	06/09/14 09:17	**Supervisor approved:**	06/10/14 12:08 Cheng-Hwan Ao

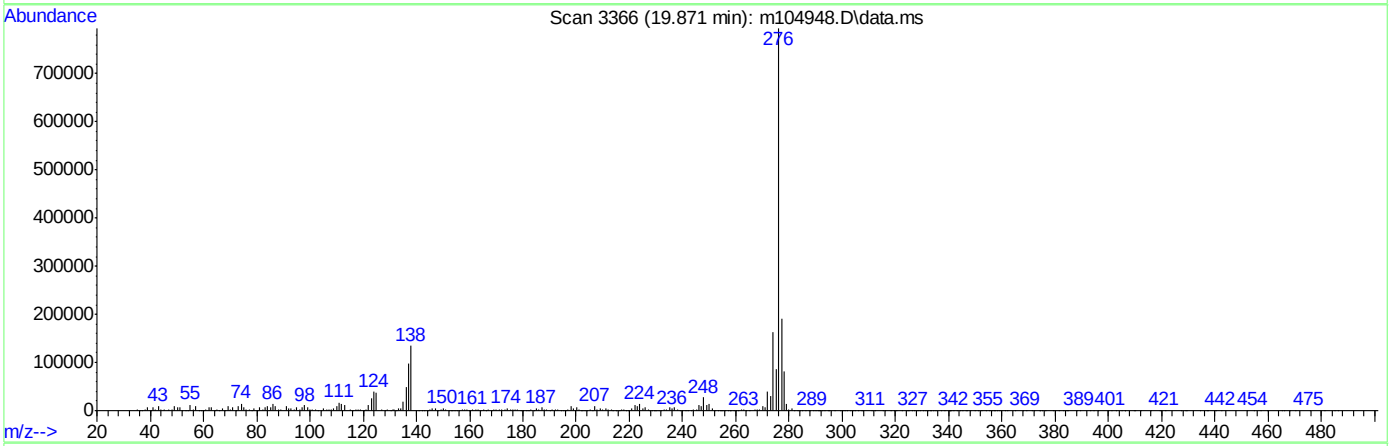
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,6-Dinitrotoluene	606-20-2		7.60	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		19.87	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:28:26 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration





TIC: m104948.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

19.871min (0.000) 60.65ppb

response 1810030

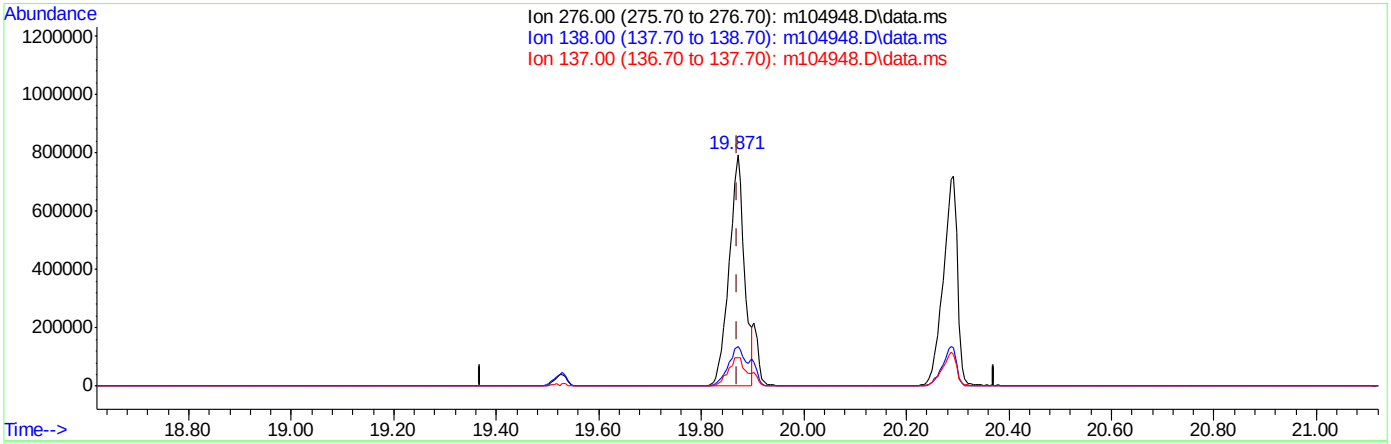
Ion	Exp%	Act%
276.00	100	100
138.00	22.00	16.87
137.00	16.20	12.21
0.00	0.00	0.00

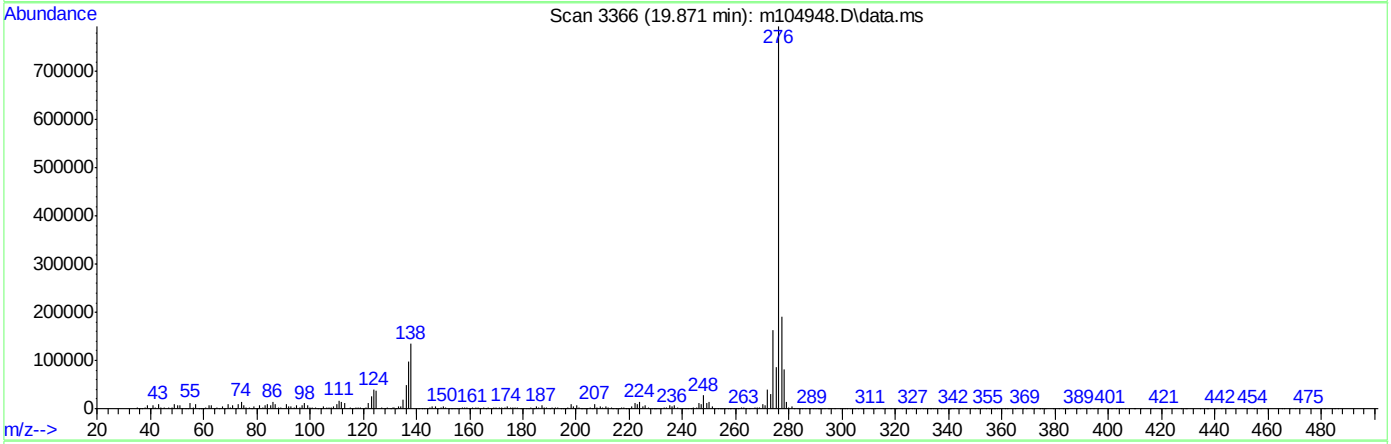
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:28:26 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration





TIC: m104948.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

19.871min (0.000) 55.04ppb m

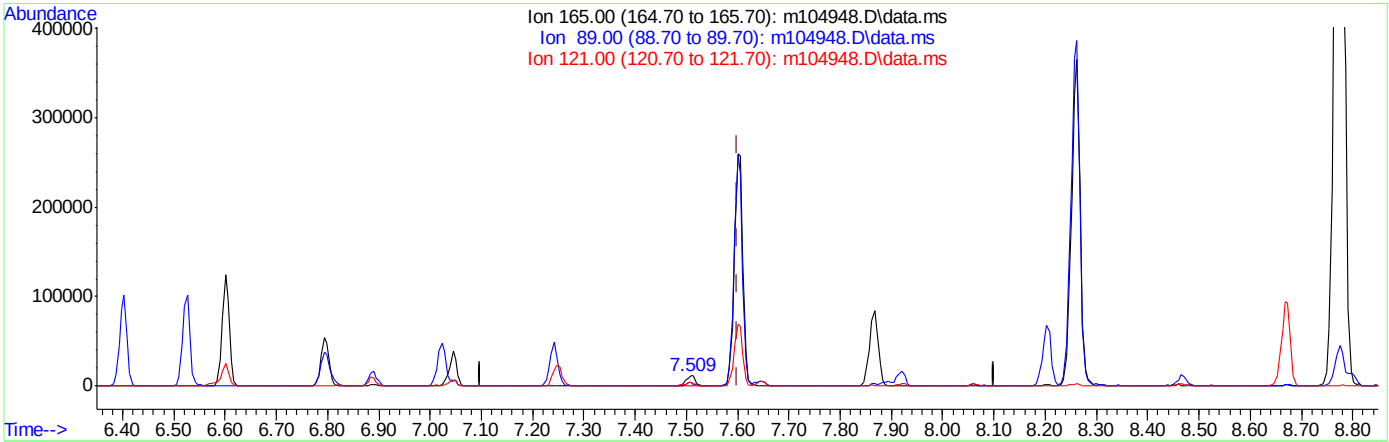
response 1642809

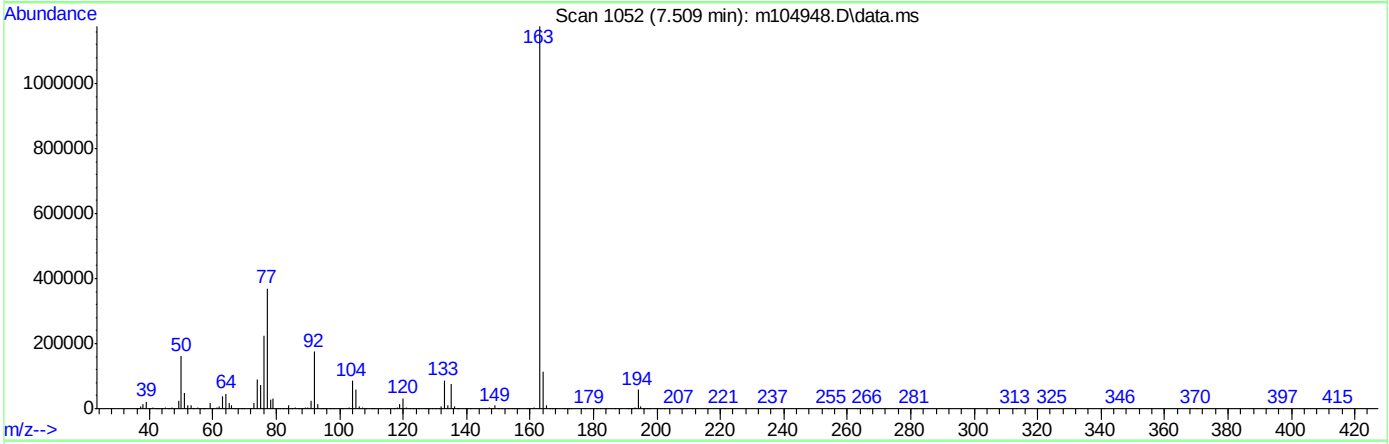
Ion	Exp%	Act%
276.00	100	100
138.00	22.00	16.96
137.00	16.20	12.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:29:16 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration





TIC: m104948.D\data.ms

(57) 2,6-Dinitrotoluene (t)

7.509min (-0.091) 2.67ppb

response 15616

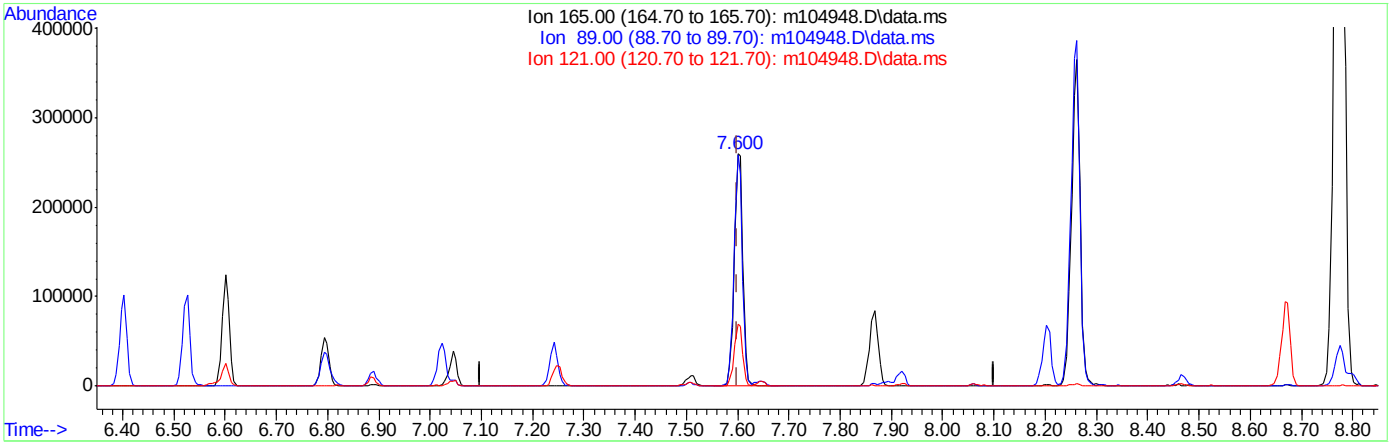
Ion	Exp%	Act%
165.00	100	100
89.00	59.30	32.13
121.00	19.50	40.42
0.00	0.00	0.00

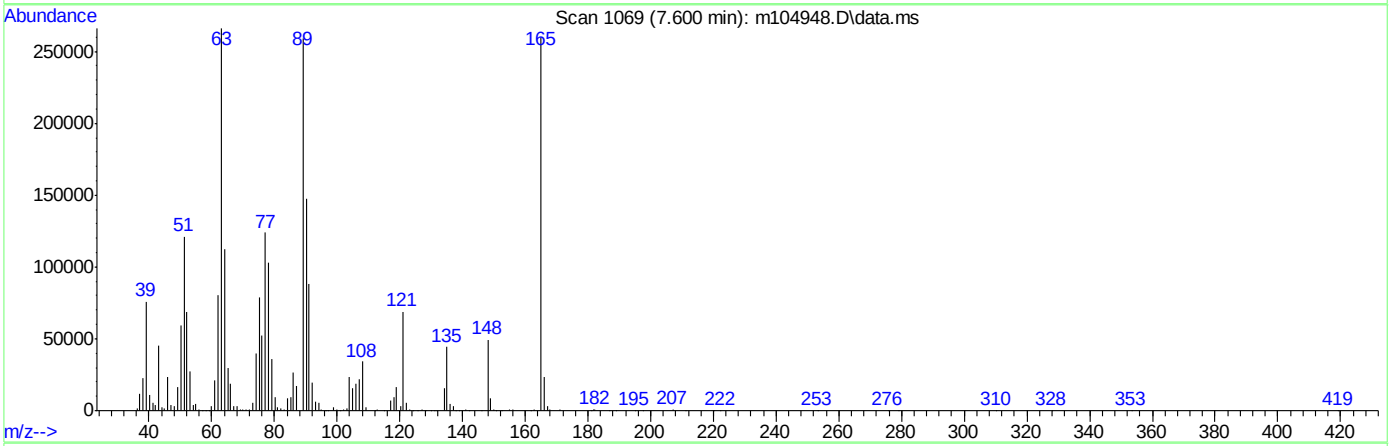
ACCUTEST LABORATORIES JB68318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104948.D
Acq On : 9 Jun 2014 9:17 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4298
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:29:16 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:28:18 2014
Response via : Initial Calibration





TIC: m104948.D\data.ms

(57) 2,6-Dinitrotoluene (t)

7.600min (0.000) 53.20ppb m

response 310679

Ion	Exp%	Act%
165.00	100	100
89.00	59.30	99.68#
121.00	19.50	26.50
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104949.D
Acq On : 9 Jun 2014 9:47 am
Operator : saumilp
Sample : CC4272-50
Misc : op73826,em4298
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 12:35:17 2014
Quant Method : C:\msdchem\1\METHODS\MM4271EPH.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:33:03 2014
Response via : Initial Calibration

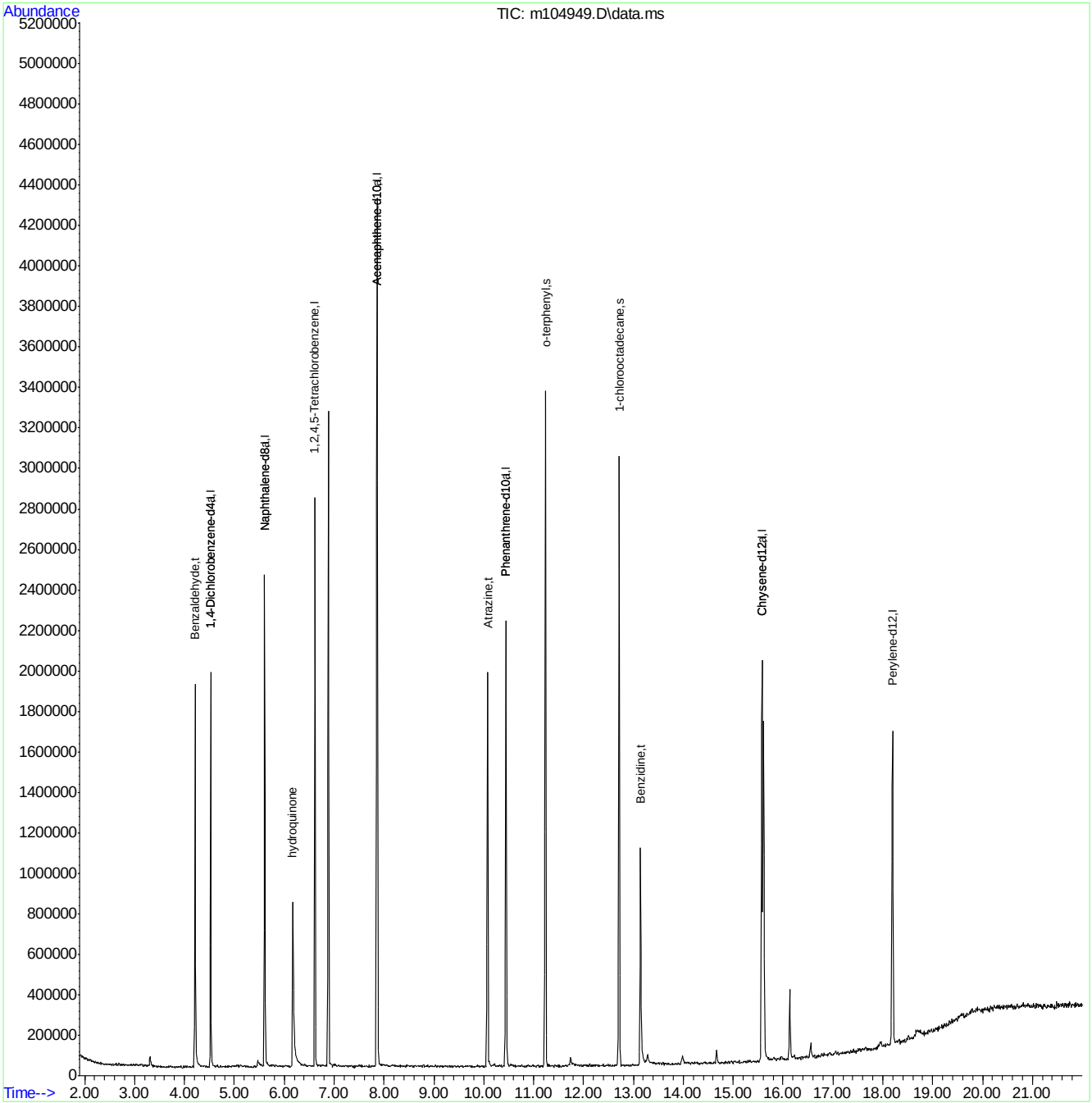
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	219130	40.00	ppb	0.00
24) Naphthalene-d8	5.609	136	836426	40.00	ppb	0.00
47) Acenaphthene-d10	7.864	164	570467	40.00	ppb	0.00
69) Phenanthrene-d10	10.444	188	1011239	40.00	ppb	0.00
83) Chrysene-d12	15.578	240	924404	40.00	ppb	0.00
92) Perylene-d12	18.195	264	732302	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.525	152	219130	40.00	ppb	0.00
104) Acenaphthene-d10a	7.864	164	570467	40.00	ppb	0.00
107) Chrysene-d12a	15.578	240	924404	40.00	ppb	0.00
110) Phenanthrene-d10a	10.444	188	1011239	40.00	ppb	0.00
112) Naphthalene-d8a	5.609	136	836426	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	12.714	57	448373	61.22	ppb	0.00
Spiked Amount 50.000			Recovery = 122.44%			
111) o-terphenyl	11.240	230	810444	52.93	ppb	0.00
Spiked Amount 50.000			Recovery = 105.86%			
Target Compounds						Qvalue
103) Benzaldehyde	4.210	105	289753	45.37	ppb	# 83
105) 1,2,4,5-Tetrachloroben...	6.613	216	432014	48.25	ppb	96
106) Atrazine	10.081	215	160849	53.06	ppb	# 85
108) Benzidine	13.142	184	559644	31.13	ppb	99
113) hydroquinone	6.170	110	424200	53.58	ppb	61

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4298\
Data File : m104949.D
Acq On : 9 Jun 2014 9:47 am
Operator : saumilp
Sample : CC4272-50
Misc : op73826,em4298
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 12:35:17 2014
Quant Method : C:\msdchem\1\METHODS\MM4271EPH.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 09 12:33:03 2014
Response via : Initial Calibration



ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2718

Date: 6-3-14

Analyst Signature: QA

Standard Data

Lot #	Description	Conc.
SV141362-116	BNA	50
		25
		12.5
EL2933	IS	40000
DR457	DCM Rev	—
547@A6314		

Standard Data

Lot #	Description	Conc.
SV141362-119	DFTPP	50
-116	BNA	100
		80
		50
		25
		10

Columns: RTX-5MS 30 m X0.25 mm X0.25

Method 8270/625

Initial Cal. Method M2M 2718

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: 6-4-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2M64040	DFTPP			W	1					failed	127, retune
	64041	DFTPP				1					failed	PCP ↑, recalib
	64042	DFTPP				1					failed	127 ↑ reinject
	64043	DFTPP				1					failed	127 ↑, retune
	64044	DFTPP				1					ok	12:26 pm
	64045	CC2693-25		BNA		2					ok	
	64046	IC2718-100				3					ok	
	64047	IC2718-1				4					ok	
	64048	IC2718-2				5					ok	
	64049	IC2718-5				6					ok	
	64050	IC2718-50				7					ok	
	64051	IC2718-10				8					ok	
	64052	IC2718-80				9					ok	
	64053	ICV2718-50		acids		10					ok	OP141177-71
	64054	ICV2718-50		BN1		11					ok	-17
	64055	ICV2718-50		BN2		12					ok	-42
	64056	ICV2718-50		ABN surr		13					ok	-33

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.

49

All strikeouts must be initialed; dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.1

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2718

Date: 6-3-14

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141419-20	mega mix	50/100/[illegible]
CL2293	IS	4000/[illegible]
DF549	70CW new	—

Columns: MTX-5MS 30M X0.25mmX

Method 8270/625

Initial Cal. Method M E2M2718

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: 6-4-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	E2M64057	ICV 2718-50		acidlines	W	14					OK	OP141177-61
	64058	ICV 2718-50		83-20B		15					OK	SV141362-72B
	64059	50/100 ppm				16					Test	mega mix
	64060	acid spike - OP141177-88				17					out/pr	bias ↓
	64061	BN spike - OP141177-86				18					M	needs TCI42 ICal
	64062	anil - OP141177-87				19					out/pr	4 chan ↓

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

51

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.1

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2719

Date: 6-4-14

Analyst Signature: QA

Columns: DB-5MS 30M X0.25mmID

Method 8270/625

Initial Cal. Method M2M2718

Injection Volume: 1 µl

Standard Data

Lot #	Description	Conc.
SV141362	136 TCL 42	50
		100
		80
		50
		20
		10
CK1953	IS	4000
QAKSP7	DCB D8	

Standard Data

Lot #	Description	Conc.
SV141362	119 ~~QT+PP~~	50
	136 TCL 42	100
		80
		50
		20
		10

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: 6/4/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2m64063	~~QT+PP~~			W	1					failed	1279, reinject
	64064	~~QT+PP~~				1					OK	9:30 ccm
	64065	IC2719-100		TCL 42		2					OK	
	64066	IC2719-80				3					OK	
	64067	IC2719-50				4					OK	
	64068	IC2719-25				5					OK	
	64069	IC2719-10				6					OK	
	64070	IC2719-5				7					OK	
	64071	IC2719-2				8					OK	
	64072	IC2719-1				9					OK	
	64073	ICV2719-50		BN1		10					OK	OP141127-17
	64074	ICV2719-50		BN2		11					OK	OP141127-42
	64075	ICV2719-50		HQ		12					OK	OP141130-141
	64076	ICV2719-50		benzdn		13					OK	SV141362-72B

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

53

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.2 9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2323 2723

Date: 06/07/2014

Analyst Signature:

Columns: RTX5ms BL30mx.25mm.25u

Method 8270/625

Initial Cal. Method M2M2718

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413627-14	DFTPP	50ppm
SV4-1415-4	BNA	20ppm
SV4-1415	Acids	20ppm
CK2433	Int Std	40ug/ml
DV547	Surrogate	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/10/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2m64166	DFTPP			W	1					Not run	Not run qa error.
	64167	DFTPP			W	1					Not usig	127↑ Reinject
	64168	DFTPP			W	1					Not usig	51↓ Reinject
	64169	DFTPP			W	1					Not usig	127↑ Reinject
	64170	DFTPP			W	1					Not usig	127↑ Reinject
	64171	DFTPP			W	1					ok	10:25 am
	64172	CC2718-25			W	2					Not usig	Acids↓ Reinj
	64173	DFTPP			W	1					ok	
	64174	CC2718-25		BNA	W	2					ok	2nd Surr↓ Diss right↑
	64175	CC2715-25			W	3					ok	Surr low↓
	64176	Analytical Blk			W	4					ok	SU3-126-SR
	64177	CP5336MB1	53361	BNAs	S	5		X	/	/	ok	
	64178	CP5336-MS				6			/	/	ok	
	64179	B6845-6A		Acids		7		X	/	/	ok	
	64180	-5A				8		X	/	/	ok	
	64181	-9SA				9		X	/	/	ok	
	64182	-12A				10		X	/	/	ok	

1 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.

69

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

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2723

Date: 06/07/2014

Analyst Signature:

Columns: RTX5ms Sil 30m x .25mm

Method 8270/625

Initial Cal. Method M2M2718

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 69	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comp with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/10/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	64183	OP75331-1A	75331	ABN's	S	11		X	/	/	ok	Run Shorn 24h4175
	64184	JB68465-3A	75361	ABN's	S	12		X	/	/	ok	
	64185	-3A				13		X	/	/	ok	
	64186	JB68465-23A		AB TCL20+	S	14		X	/	/	ok	
	64187	JB68465-67A				15		+	/	/	OK	µ 1:4
	64188	JB68465-45A			S	16			/	/	Not used	µ for c/o
	64189	OP75376-1MS	75376		S	17			/	/	all	
	64190	OP75376-1MSD	↓		S	18			/	/	all	
	64191	JB67929-1R	75331	AB 8270 TCL20+	S	19			/	/	all	
	64192	JB67929-5R	75331	↓		20			/	/	all	
	64193	JB68359-60A		AB 8270 TCL20T		21			/	/	all	
	64194	JB68359-66A		↓		22			/	/	all	
	64195	JB68366-1A	75331	AB 8270TCL11-DCB BMS+BNZ+HL	S	23					Not run	Sequence change
	64196	JB68359-54A		AB TCL20+	S	24			/	/	all	
	64197	JB68359-12A		AB+CL20+		25			/	/	all	
	64198	JB68359-72A	75331	AB TCL20+		26			/	/	all	
	64199	JB68359-78A	75331	AB TCL20+	S	27			/	/	all	10:15pm
	64200	Conditioning	↓	↓	W	100						

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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

9.7.3

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2729

Date: 6-12-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SU141419230	BNA	2 PPM
	E	1 PPM
	F	5 PPM
CH2933	IS	4000 PPM
DH543	DCM/MM	-

Standard Data

Lot #	Description	Conc.
SU141362119	DFTPP	50PPM
	133A BNA	50PPM
	133B	25PPM
SU141419 29A		100 PPM
	B	80PPM
	C	10PPM

Columns: RTXSMS 30MX.25MMX.25UM

Method 8270/625

Initial Cal. Method M2M2729

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: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2M64364	DFTPP				1					Failed	51↓, Retuned
	64365	DFTPP				1					OK	456pm
	64366	IC2729-100		BNA		2					OK	
	64367	IC2729-80				3					OK	
	64368	IC2729-50	-			4					OK	
	64369	IC2729-25				5					OK	
	64370	IC2729-10				6					OK	
	64371	IC2729-5				7					OK	
	64372	IC2729-2				8					OK	
	64373	IC2729-1				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.

91

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.4

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2730

Date: 6-13-14

Analyst Signature: DA

Standard Data

Lot #	Description	Conc.
SV141362	136 TCL42	5
		2
		1
CL2933	IS	40/5
DK547	DCM Rec	—

Standard Data

Lot #	Description	Conc.
SV141362	119 DFTPP	50
—	136 TCL42	100
		80
		50
		25
		10

Columns: RTX-5MS 30m x0.25mm x0.25

Method 8270/625

Initial Cal. Method M E2M2729

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: 6/16/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	e2m64374	DFTPP			W	1					OK	10:16 AM
	64375	IC2730-100		TCL42		2					OK	
	64376	IC2730-80				3					OK	
	64377	IC2730-50				4					OK	
	64378	IC2730-25 OA 6/16/14		-		5					OK	
	64379	IC2730-10				6					Bad Injection	↔ noisy
	64380	IC2730-5				7					OK	
	64381	IC2730-2				8					OK	
	64382	IC2730-1				9					OK	
	64383	ICV2729-80		acids		10					not using	60 # ↓, Acid Fails, RR OP14-1177-112
	64384	ICV2729-50		BN1		11					OK	OP14-1177-17
	64385	ICV2729-50		BN2		12					OK	-42
	64386	ICV2729-50		ABN sum		13					OK	-33
	64387	ICV2729-50		amines		14					not using	-61 RR IS + ABN
	64388	ICV2729-50		Benzdn		15					OK	SV141362-72b
	64389	ICV2730-50		HQ		16					OK	OP14 1130-141
	64390	IC2730-5010	SP 6-13-14			17					OK	Ran After 2M64380

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 6/16/14

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 6

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2731

Date: 6-13-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621	DFTPP	50ppm

Columns: RTX-5il 30m (25m, 25u

Method 8270/625

Initial Cal. Method M2m2729

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: 6/5/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2m643900A	DFTPP			W	1					Not Integ	ICV Peaks not passing Height Rename as A file already exists
	91	DFTPP				1					Not Integ	ICV Peaks not passing Height
	92	DFTPP				1					ok	10:33pm
	93	icv2729-50		OP14-1177-112 Acid		2					ok	\
	94	icv2729-50		Aniline -61		3					ok	\

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

95

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.6

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2732

Date: 6-13-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV14B62119	DFTPP	50ppm
138	BNDA	↓
136	TCL4C	
CK2933	IS.	40ppm
DK549	DCB	

Columns: RTX5;130mx.25mx.25u

Method 8270/625

Initial Cal. Method m2m 2729

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: OA

Date: 6-15-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2m68395	DFTPP				1					OK	1136 pen
	396	CC2729-50				2					ok	
	399	CC2730-50				3					ok	
	398	cp75578-mb1	75578	ABN	S	4		+	/	/	OK	
	399	-BS1				5			/	/	OK	
	400	JB68027-2		ABTCL11		6			2 ↓	↓	OK	FVS
	401	JB68027-2				7	20		/	\	OK	FVS PRLIT =100
	402	JB69000-1		ABTCL20		8		+	4 +		OK	VF=10 ml on 1:2
	403	JB69002-1		ABTCL20		9		+	/	/	OK	~~RR for dpl~~
	404	-2				10		+	/	/	OK	
	405	-3				11		+	/	/	OK	
	406	JB69080-1A		+BZALC ABPPTCL11-DCB		12			/	/	ok	
	407	JB69006-1		ABTCL20		13		+	/	/	OK	
	408	-2				14		+	/	/	OK	
	409	JB68318-1	75376	ABTCL20		15			/	/	OK	
	410	-2				16			/	/	OK	
	411	-3				17			/	/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

97

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.7

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2732

Date: 6-13-14

Analyst Signature: AD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surr 97	

Columns: RTX 5il 30m 0.25mm 0.25u

Method 8270/625

Initial Cal. Method M2M 2730

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: 6-15-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2m64412	JB68318-4	75376	8270E70		18			/	/	OK	
	413	-5				19			/	/	OK	
	414	-8				20			/	/	OK	
	415	-9				21			/	/	OK	
	416	-10				22			/	/	OK	
	417	JB68291-3		PAH		23			/	/	OK	MA 1:4
	418	-4				24			/	/	OK	
	419	JB69018-1	75578	PAH		25			/	/	OK	VF=2ml
	420	-2				26			/	/	OK	
	421	-3				27			/	/	OK	10:47 am

1TX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

99

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.7

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2646

Date: 6-4-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.
SU149362	116 BNA	50
	↓ ↓	20
		10
CN2933	IS	40
DK5A	Surr	—

Standard Data

Lot #	Description	Conc.
SU149362	119 DFTPP	50
—	116 BNA	100
		80
		40
		20
	↓ ↓	10

Columns: RTX-5MS 30m x0.25m

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comp with the criteria of Accutest SOP EQA044.

Supervisor Signature: 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		BNA		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

9.7.8

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2647

Date: 6-4-14

Analyst Signature: QA

Standard Data

Lot #	Description	Conc.
SV141362	136 ABN TC42	50/5
	↓ ↓	20/5
		10/5
CN2933	IS	40/5
SHL847	Surr Mix	—

Standard Data

Lot #	Description	Conc.
SV141362	119 DFTPP	50/5
	136 ABN TC42	100/5
		80/5
		50/5
		20/5
		10/5

Columns: RTX-5ms 30m x 0.25mm ID

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: A

Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61402	DFTPP			W	1					OK	9:24 PM
	61403	IC2647-100		TC42		10					OK	
	61404	IC2647-80				11					OK	
	61405	IC2647-50				12					OK	
	61406	IC2647-25				13					OK	
	61407	IC2647-10				14					OK	
	61408	IC2647-5				15					OK	
	61409	IC2647-2				16					OK	
	61410	IC2647-1				17					OK	
	61411	ICV2646-50		acids		18					RR	#31,60↓ OP141177-88
	61412	ICV2646-50		BN1		19					OK	-17
	61413	ICV2646-50		BN2		20					RR	#40,41↓ -57
	61414	ICV2646-50		ABN Surr		21					OK	-33
	61415	ICV2646-50		anilines		22					OK	-61
	61416	ICV2646-50		benzdn		23					OK	SV141362-72B
	61417	ICV2647-50		HQ		24					OK	OP141130-191

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

95

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2648

Date: 6-5-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc:

Standard Data

Lot #	Description	Conc.
SU14362-119	DFTPP	SDG
CLC2933	IS	40ng/µl
CLC947	Decafluorobiphenyl	—

Columns: RTX-5MS 30m x 0.25mm x 0.25µm

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	E61418	DFTPP			W	1					VG	pcp↑, reinstall
	61419	DFTPP				1					failed	68↑, reinject
	61420	DFTPP				1					OK	12:24 pm
	61421	ICV2646-50		acids		2					OK	OP 14177-88
	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

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2652

Date: 6/18/14

Analyst Signature: AWO

Columns: RTXSMS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M3E2646

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.
		AWO 6/18/14

Standard Data

Lot #	Description	Conc.
SV4136219	DFTPP	50ppm
SV4136210	BNA	25ppm
SV4141195	TCL12	25ppm
SCC2933	INTERNAL STD	4000ppm
DLS47	DCM(CHL)	—

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: 6/19/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E61817	DFTPP				1					all	1:43 pm
	61818	CC2616625		BNA	W	2					all	
	61819	CC2617-25		TCL12	W	3					all	
	61820	benzidine		verification	W	4					OK	1ppm SV4136213B
	61821	op75417mb1	75417-1	ABS270	S	5			✓	✓	all	
	61822	-bs1				6			✓	✓	all	
	61823	op75387mb1	75387-1	ABS270	W	7			✓	✓	all	
	61824	-bs1				8			✓	✓	all	
	61825	JB68442-2		BTCL1+		9		+	✓	✓	OK	
	61826	-3				10		+	✓	✓	OK	
	61827	-4				11		+	✓	✓	OK	
	61828	JB68318-6		ABTCL20		12			✓	✓	all	
	61829	JB68395-7		ABNTCL1+		13			✓	✓	all	
	61830	JB68078-1MS	75417-1	ABPPTCL1+	S	14			✓	J	all	CFS
	61831	-2MSD				15			✓	✓	all	
	61832	JB68594-11A		ABTCL20+		16			✓	✓	all	
	61833	-70A				17			✓	✓	all	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

111

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
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Form: OR015-05
Rev. Date: 1/16/2006

9.7.11

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2652

Date: 6/8/14

Analyst Signature: AHO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 111	

Columns: RTX5MS30m x .25mm x .25um

Method 8270/625

Initial Cal. Method M3E2646

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: 6/9/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61834	op75417ms	75417	AB8270	S	18			✓	✓	all	
	61835	-msd				19			✓	✓	all	
	61836	JB68594-28A		AB8270		20			✓	✓	all	
	61837	-38A				21			✓	✓	all	
	61838	-47A				22			✓	✓	all	
	61839	-56A				23			✓	✓	all	
	61840	-64A				24			✓	✓	all	
	61841	-81A				25			✓	✓	all	
	61842	-22A				26			✓	✓	all	1:06 all

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.

113

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

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2653

Date: 6-9-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-119	BFB	50
-110	BNA	50
SV141447-5	TCL42	50
DLM937	IS	4000
DLM947	DCB CBZ	—

Columns: RTX-5MS 30mx0.25mmx0.

Method 8270/625

Initial Cal. Method M3E2646

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: 6/11/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61843	DFTPP			W	1					OK	9:06 acq
	44	CC2646-50		BNA		2					OK	
	45	CC2647-50		TCL42		3					OK	benzdn ↓
	46	~~OP75278-MB1 75279-1 ALSO~~ Benzdn ver - 1ppm		OA 6/9/14		4					OK	~~SV141362-132B benzdn ↓ OA 6/9/14~~
	47	OP75278-MB1	75279-1	ALS PLP		5		+	/		OK	
	48	Quil - OP141177-87				6			-		NG	bkg ion, reacq after 3E 61846
	49	Quil - OP141177-87				7			-		OK	
	50	OP75403-MB1	75403-1	ALS 625		8			/	/	OK	
	51	JB68620-1Q		ALS PTCL		9			/	/	OK	
	52	OP75285-MB1	75285-1	ALS	S	10		+	/	/	OK	
	53	-BS1				11			/	/	OK	
	54	JB68027-1A	75279-1	ALS PLP JTCL	W	12		+	/	/	OK	LL 1:40
	55	-4A				13		+	/	/	OK	LL 1:10
	56	-5A				14		+	/	/	OK	
	57	-8A				15		+	/	/	OK	LL 1:20
	58	-9A				16		+	/	/	OK	
	59	-3A				A			/	/	OK	LL 1:40

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

115

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

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2653

Date: 6-9-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	same as page #115	

Columns: MTX-5MS 30 m x 0.5mm x 0.5

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS Date: 6-11-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
R	3F_61860	JB68375-6	75394-1	ABN Cmp+	S	18	4		✓	✓	OK	
	61	OP75387-MS	75387-1	ABN	W	19			✓	✓	ok	
	62	-MSD				20			✓	✓	OK	
	63	JB68342-6		nap+2methnap+		21			✓	✓	OK	
	64	OP75285-MS	75285-1	ABN	S	22			✓	✓	OK	
	65	-MSD				23			✓	✓	OK	
	66	JB68173-1		ABN Cmp20		24			✓	✓	OK	
	67	-2				25			✓	✓	OK	
	68	-3				26			✓	✓	OK	8:49 pm
												AO

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.

117

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.12

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4271

Date: 5-13-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SU1413621155	BNA	10 PPM
115A	↓	5 PPM
116	↓	2 PPM

Standard Data

Lot #	Description	Conc.
SU1413621119	DFTPP	50 PPM
115A	BNA	100 PPM
6M	↓	1 PPM
115B	↓	80 PPM
135A	↓	50 PPM
135B	↓	25 PPM

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MM4271

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: OA Date: 5-14-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M104363	DFTPP			W	1					OK	2:45 PM
	64	IC4271-100				2					OK	
	65	IC4271-1				3					OK	
	66	IC4271-80				4					OK	
	67	IC4271-50				5					OK	
	68	IC4271-25				6					OK	
	69	IC4271-10				7					OK	
	70	-5				8					OK	
	71	-2				9					OK	
	~~72~~			SP 5-13-14		~~10~~						

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

55

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.13

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4272

Date: 5-14-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SV141362136E	TCL42	5 PPm
136G		2 PPm
136H		1 PPm
CK2933	IS	40000PPM
DH451	DCMCHMD	—

Standard Data

Lot #	Description	Conc.
SV141362136	DFTPP	50 PPm
136A	TCL42	100 PPm
136B		50 PPm
136C		50 PPm
136D		25 PPm
136E		10 PPm

Columns: RTX5MS 30m x .25mm x .25UM

Method 8270/625

Initial Cal. Method MM4271

Injection Volume: 1UL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: QA Date: 5-14-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M104372	DFTPP			W	1					OK	8:27 AM
	73	IC4272-100		TCL42		2					OK	
	74	-80				3					OK	
	75	ICC4272-50				4					OK	
	76	IC4272-25				5					OK	
	77	-10				6					OK	
	78	-5				7					OK	
	79	-2				8					OK	
	80	-1				9					OK	
	81	ICV4271-50		Acid Spike		10					OK	OP141130-83
	82	-50		BH1		11					OK	OP141130-94
	83	-50		BH2		12					OK	OP141130-92
	84	-50		ABH SUITE		13					OK	OP141130-62
	85	-50		Aniline		14					OK	OP141362-12
	86	ICV4272-50		HQ		15					OK	SV141362-101
	87	ICV4271-50		Benz		16					OK	SV141362-72B

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.

57

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.14

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: Em4298

Date: 06-09-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU141362	119 DFTPP	50 ppm
	138A BNA	50 ppm
	137B TCL42	50 ppm
CH2933	IS	40000 PPM
DH549	DCM(1:1)	-

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MM4271

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS

Date: 6-10-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M104947	DFTPP			W	1					OK	9:05AM
	948	CC4271-50	SP 6-9-14	~~TCL42~~ BNA		2					OK	2,3,10↓ 4,13,22,25,26,30,42,43,48,161,165,172,193
	949	CC4272-50		TCL42		3					OK	108↓, 109↑
	950	OP75337-mb	75337-1	ABN		4					not ran	
	950	BN-2 verf				4	-				OK	SU141362 49 1 PPM
	951	OP75337-MD	75337-1	BN +	W	5		+	-	-	OK	
	952	-BS1				6			-	-	OK	
	953	JB68267-1		BNJ TCL204		7		+	-	-	OK	
	954	-2				8		+	All ↓	-	OK	RR for CFI
	955	-3				9		+	-	-	OK	
	956	-4				10		+	-	-	OK	
	957	-5				11		+	-	-	OK	
	958	OP75337-MS		BN		12			-	-	OK	
	959	-MSD				13			1-6 ↓			RR for CFI
	960	JB68202-1R	75257-1	EPH+PAH	S	14			↓	-	OK	RR for CFI
	961	JB67815-13	75170-1	ABT CL42	S	15	5		-	-	OK	Ran after M104952
	962	JB67856-2	75177-1	BNJ TCL44	W	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.

165

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.15

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4298

Date: 6-9-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Page 166	

Columns: RTX5MS, 30M X .25MM X .25UM

Method 8270/625

Initial Cal. Method EM4271

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: 6/10/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	M104963	JB67856-3	75127-1	BNTICLIP	W	17		+	-	-	OK	8:59 PM
	964	-5				18					RR	out of clock time
	965	OP75376-MB1	75376-1	ABN+	S	19		+	-	↑	OK	
	966	JB68465-4SA		ABTCLP+		20		+	-	-	OK	
	967	-4SA				21	4		NPSA ↓	-	OK	RR for CFI
	968	JB68465-4SA				22	4		-	-	OK	Running for CFI
	969	OP75284-MB1	75284-1	ABN+	S	23		+	5↓	-	OK	RR for IS hit for nap
	970	JB67981-6		ABT CLP+		24		+	5↓	↑	OK	RR for CFI
	971	-8				25		+	1-6 ↓	-	OK	Sent to Rx nap hit
	972	-10				26		+	All ↓	-	OK	Sent to Rx nap hit

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.

167

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.15

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4298

Date: 06-09-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU141362 119	DFTPP	50 ppm
138A	BNA	50 ppm
137B	TCL42	50 ppm
CH2933	IS	40000 PPM
DH543	DCMCHW2	-

Columns: RTX5MS 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MM4271

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AB Date: 6-10-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	M104947	DFTPP			W	1					OK	9:05AM
	948	CC4271-50	SP 6-9-14	~~TCL42~~ BNA		2					OK	2,3,10↓ 4,13,22,25,26,30,42,43,48,[illegible]
	949	CC4272-50		TCL42		3					OK	108↓, 109↑
	950	OP75337-mb	75337-1	ABN		4					not ran	
	950	BN-2verf				4	-				OK	SU141362 49 1 PPM
	951	OP75337-MD	75337-1	BN+	W	5		+	-	-	OK	
	952	-BS1				6			-	-	OK	
	953	Jb68267-1		BNJTCL204		7		+	-	-	OK	
	954	-2				8		+	All ↓	-	OK	RR for CF1
	955	-3				9		+	-	-	OK	
	956	-4				10		+	-	-	OK	
	957	-5				11		+	-	-	OK	
	958	OP75337-MS		BN		12			-	-	OK	
	959	-MSD				13			1-6 ↓	-	OK	~~RR for CF1~~ SP 6-11-14
	960	Jb68202R	75257-1	EPH+PAH	S	14			↓	-	OK	RR for CF1
	961	Jb67815-13	75170-1	ABTCL42	S	15	5		-	-	OK	Ran after M104952
	962	Jb67856-2	75177-1	BNJTCL14	W	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.

165

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.15

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4298

Date: 6-9-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Page 165	

Columns: RTx5ms, 30m x .25mm x .25u

Method 8270/625

Initial Cal. Method EM4271

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: 6-10-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	M104963	JB67856-3	75127-1	BNA+CL11+	W	17		+	-	-	OK	8:59 PM
	964	-5				18					RR	out of clock time
	965	OP75376-MB1	75376-1	ABN+	S	19		+	-	↑	OK	
	966	JB68465-4A		ABCL20+		20		+	-	-	OK	
	967	-6A				21	4		45% ↓	-	OK	RR for CFI
	968	JB68465-6A				22	4		-	-	OK	Running for CFI
	969	OP75284-MB1	75284-1	ABN+	S	23		+	5↓	-	OK	RR for IS hit for nap
	970	JB67981-6		ABTCL20+		24		+	5↓	↑	OK	RR for CFI
	971	-8				25		+	1-6 ↓	-	OK	Sent to Rx nap hit
	972	-10				26		+	All ↓	-	OK	Sent to Rx nap hit

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.

167

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.15

9

Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH # MS75376 | RACK# D-4

Date started: 06/06/14 Time started: 9:30 AM
Date finished: 06/06/14 Time finished: 4:30 PM

EXTRACTION METHOD: (Check one): Microwave SW3546 _____ Sonication SW3550C ✓
Waste Dil. SW3580A _____ Soxhlet SW3540C _____

Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt. (g)	Microwave ID	Decant Y	Decant N	Final Extract Color	Final Extract Vol(ml)	GPC Cleanup		Comments
BSI	ABN		Nasoq	35.0				yellow	1			
JB68465-45A MS		1	Soil	33.4			✓	Brown	1			
L MSD		1	Soil	30.9			✓	Brown	1			
MB1 BS			Nasoq					Clear	1			
MS												
MSD												
JB68 465-6A	ABN	1	Sand	31.1			✓	yellow	1			
-12A		1	Soil	30.5			✓	brown	1			
-23A		1	Sand	30.5			✓	brown	1			
-39A		1	Soil	30.7			✓	Brown	1			
-45A		1	Soil	32.3			✓	Brown	1			
-51A		1	Sand	30.7			✓	yellow	1			
-67A		1	Soil	32.0			✓	brown	1			
-73A		1	Soil	31.4			✓	Brown	1			
-79A		1	Soil	33.1			✓	yellow	1			
JB68291-3		2	Sand	31.0			✓	Brown	1			
-4		2	Sand	31.6			✓	Brown	1			
JB68318-1		1	Soil	30.4			✓	brown	1			
-2		1	Soil	32.8			✓	brown	1			
-3		1	Soil	32.6			✓	brown	1			
-4		1	Soil	32.1			✓	brown	1			
-5		1	Soil	32.6			✓	brown	1			
-8		1	Soil	30.7			✓	yellow	1			
-9		1	Soil	31.0			✓	yellow	1			
-10		1	Soil	31.4			✓	Brown	1			

Ext By:	FM / MS
Conc By:	MS / AS / AP
Vialed By:	MS / FM
Relinquished by:	FM / MS / AP
Accepted by:	
Supervisor Review:	6/6/14

Equipment	ID	Temp	Pres
WaterBath			
TurboVAP			
NEVAp	2	35°C	
Balance	47/49	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN OP	141177781	50	1

WITNESS SIGN: MS

MATRIX SPIKE	LOT #	Conc	Amt
Acid OP	141177441	50	1
Base #1 w/out Anilines OP	141177601	50	1
Base #2 OP	141177431	50	1
Anilines OP	141177381	50	1

WITNESS SIGN: MS

SOLVENT	LOT #	BRAND
1:1 MC/ACE	DK547/DK520	HW
METH CHLOR	DK547	HW

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	Fc 010270	Fisher
HYDROMATRIX		

Comments:
OP0019A-01
Date: 04/09/13

27

Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

Date Started: 06/06/14 Time Started: 7:30 am

Date Finished: 06/06/14 Time Finished: 12:30 A

BATCH # MS75387 RACK# A4

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 ✓ Cont Liq-Liq SW3520C

	Sample #	Analysis Type	Sample Bottle #	pH	Sample Description	Sample Volume (ml) Oil Wt (g)	pH Adjust (ml) <2 H2SO4	pH Adjust (ml) >11 NaOH	Final Extract Color	Final Extract Vol(ml)	Misc. GPC Cleanup	Comments
	MB	ABN			DI H_2O	1000	1	4	clear	1		
	BS				DI H_2O	1000	1	4	yellow	1		
	JB68342-6 MS		1		Yellow	500	1	4	yellow	1		
	MSD		1		Yellow	500	1	4	yellow	1		
	BS 2	SIM			DI H_2O	1000	1	4	lt yellow	1		
	JB68345-7 MS		1		Brown	500	1	4	Yellow	1		
	MSD		1		Brown	500	1	4	Yellow	1		
1	JB68342-2	BN	2		Yellow	1000		1	lt yellow	1		
2	3		1		lite yellow	1000		1	clear	1		
3	4		1		lite Yellow	1000		1	clear	1		
4	JB68318-6	ABN	2		Clear	900	1	4	Clear	1		
5	JB68330-25	BN	2		tan	1000		1	clear	1		
6	26		1		lite Brown	1000		1	yellow	1		
7	27		1		tan	1000		1	clear	1		
8	JB68341-17	ABN	3		Brown/orange	1000	1	4	Yellow	1		
9	JB68342-1	BN	1		tan	1000		1	clear	1		
10	8		2		tan	1000		1	clear	1		
11	3		2		tan	1000		1	clear	1		
12	4		1		Yellow	1000		1	clear	1		
13	5		1		Clear	1000		1	lt yellow	1		
14	6	ABN	2		Yellow	1000	1	4	lt yellow	1		
15	JB68345-7		2		Brown	1000	1	4	Yellow	1		
16												
17												
18												
19												
20												

COMMENTS:

See back for instructions

13

Ext By:	NG/RM/BJ/VP
Conc by:	VP
Vialed by:	RM
Relinquished by:	
Accepted by:	
Supervisor review:	MS Rev 6/6/14

Equipment	ID	Temp	Pres
Waterbath	2,3	80	N/A
NEVAP	1	35	
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN	141177761	50	1
Anilines	141177778	50	1
Witness Sign:	BJ		

Matrix Spike	Lot #	Conc	Amt
Acid	141177744	50	1
Base #1	141177760	50	1
Base #2	141177743	50	1
Witness Sign:	BJ		
BJ	141177760	50	1

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DR547	JTH	6/60

Reagent	Lot #	Brand
Sodium Sulfate	136683	Fisher
Filter Paper	7489	Ves
Hydromatrix		
NaOH	31211	BDH
H_2SO_4	410237	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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34180
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:56	MA34180-STD1	1		STDA
10:02	MA34180-STD2	1		STDB
10:08	ZZZZZZ	1		
10:14	ZZZZZZ	1		
10:22	MA34180-ICV1	1		
10:33	MA34180-ICB1	1		
10:40	MA34180-ICCV1	1		
11:00	MA34180-CCB1	1		
11:05	ZZZZZZ	1		
11:10	MA34180-CRI1	1		
11:16	MA34180-CRID1	1		See rerun.
11:22	MA34180-CRIA1	1		Not needed.
11:28	ZZZZZZ	1		
11:34	MA34180-CRID2	1		
11:40	MA34180-ICSA1	1		
11:46	MA34180-ICSAB1	1		
11:52	ZZZZZZ	1		
11:58	ZZZZZZ	1		
12:04	MA34180-CCV1	1		
12:10	MA34180-CCB2	1		
12:16	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:40	MP79793-MB2	1		
12:46	MP79793-B2	1		
12:52	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:15	MP79892-S1	1		
13:21	MA34180-CCV2	1		
13:27	MA34180-CCB3	1		
13:33	MP79892-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34180
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:39	JB68325-2A	1		(sample used for QC only; not part of login JB68318)
13:45	MP79892-SD1	5		
13:51	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:27	MA34180-CCV3	1		
14:33	MA34180-CCB4	1		
14:39	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:58	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:37	MA34180-CRID3	1		
15:43	MA34180-CCV4	1		
15:50	MA34180-CCB5	1		
15:56	ZZZZZZ	1		
16:03	MP79902-B1	1		
16:08	ZZZZZZ	1		
16:21	MP79902-MB1	1		
---------->	Last reportable sample/prep for job JB68318			
16:27	MA34180-CRI2	1		
16:33	MA34180-CCV5	1		
16:39	MA34180-CCB6	1		
---------->	Last reportable CCB for job JB68318			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34180
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:56	MA34180-STD1	2531 R	68631 R	8905 R	3646 R
10:02	MA34180-STD2	2352	63918	8606	3287
10:08	ZZZZZZ	2417	65536	8781	3398
10:14	ZZZZZZ	2507	67962	8965	3618
10:22	MA34180-ICV1	2423	65542	8764	3411
10:33	MA34180-ICB1	2516	68706	8748	3635
10:40	MA34180-ICCV1	2421	65665	8636	3409
11:00	MA34180-CCB1	2527	68784	8800	3641
11:05	ZZZZZZ	2503	67674	8816	3598
11:10	MA34180-CRI1	2518	67778	8796	3606
11:16	MA34180-CRID1	No results reported for the elements associated with this internal standard.			
11:22	MA34180-CRIA1	No results reported for the elements associated with this internal standard.			
11:28	ZZZZZZ	2542	68717	8904	3611
11:34	MA34180-CRID2	2568	69452	8665	3633
11:40	MA34180-ICSA1	2235	57737	8267	2998
11:46	MA34180-ICSAB1	2236	60133	8322	2998
11:52	ZZZZZZ	2559	67758	8633	3617
11:58	ZZZZZZ	2520	69418	8797	3608
12:04	MA34180-CCV1	2471	67441	8674	3377
12:10	MA34180-CCB2	2583	69614	8720	3617
12:16	ZZZZZZ	2528	68906	9152	3423
12:21	ZZZZZZ	2597	69035	8962	3625
12:27	ZZZZZZ	2479	70492	8926	3425
12:34	ZZZZZZ	2589	69060	9045	3581
12:40	MP79793-MB2	2536	69387	8831	3570
12:46	MP79793-B2	2525	68352	8713	3486
12:52	ZZZZZZ	2121	59392	8067	2773
12:58	ZZZZZZ	2071	58672	7919	2691
13:09	ZZZZZZ	2332	61611	8202	3034
13:15	MP79892-S1	2159	59527	8007	2801
13:21	MA34180-CCV2	2493	67649	8424	3388
13:27	MA34180-CCB3	2594	69903	8524	3613
13:33	MP79892-S2	2189	59622	7909	2835

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34180
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:39	JB68325-2A	2174	59552	7939	2811
13:45	MP79892-SD1	2420	65910	8214	3253
13:51	ZZZZZZ	2242	61683	8130	2849
13:57	ZZZZZZ	2298	61436	7974	2968
14:03	ZZZZZZ	2305	61131	7963	2997
14:09	ZZZZZZ	2333	60645	7959	3031
14:15	ZZZZZZ	2320	61798	7880	3031
14:21	ZZZZZZ	2306	61972	7833	3013
14:27	MA34180-CCV3	2505	67739	8072	3394
14:33	MA34180-CCB4	2596	71135	8386	3601
14:39	ZZZZZZ	2323	61989	7856	3018
14:45	ZZZZZZ	2333	61906	7830	3038
14:52	ZZZZZZ	2327	62175	7768	3035
14:58	ZZZZZZ	2329	61843	7704	3030
15:04	ZZZZZZ	2299	61377	7659	2977
15:10	ZZZZZZ	2310	61480	7673	3013
15:16	ZZZZZZ	2601	70086	8002	3611
15:22	ZZZZZZ	2452	65971	7879	3337
15:37	MA34180-CRID3	2575	69955	7995	3591
15:43	MA34180-CCV4	2486	66406	7846	3369
15:50	MA34180-CCB5	2585	68982	7925	3593
15:56	ZZZZZZ	2557	70276	8069	3575
16:03	MP79902-B1	2532	68884	7979	3495
16:08	ZZZZZZ	2548	71111	8509	3361
16:21	MP79902-MB1	2549	69714	8083	3573
16:27	MA34180-CRI2	2574	69463	7864	3581
16:33	MA34180-CCV5	2503	67241	7821	3383
16:39	MA34180-CCB6	2591	70065	7906	3595

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34180 Units: ug/l

Time: / Sample ID:			10:33 ICB1		11:00 CCB1		12:10 CCB2		13:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	4.2	<200	-3.9	<200	-2.5	<200	-0.40	<200
Antimony	6.0	1.6	0.70	<6.0	0.70	<6.0	-0.40	<6.0	0.20	<6.0
Arsenic	3.0	2.2	0.60	<3.0	1.2	<3.0	0.40	<3.0	0.90	<3.0
Barium	200	.3	-0.10	<200	-0.20	<200	0.0	<200	0.0	<200
Beryllium	1.0	.1	0.0	<1.0	-0.10	<1.0	0.0	<1.0	0.0	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	0.0	<3.0	0.30	<3.0	0.10	<3.0	0.20	<3.0
Calcium	5000	23	1.0	<5000	2.7	<5000	-2.1	<5000	-7.7	<5000
Chromium	10	.8	-0.20	<10	-0.10	<10	0.20	<10	-0.20	<10
Cobalt	50	.3	0.0	<50	0.10	<50	0.20	<50	0.20	<50
Copper	10	1.2	0.20	<10	0.30	<10	-0.90	<10	-1.3	<10
Iron	100	7.1	6.0	<100	-0.40	<100	15.8	<100	2.4	<100
Lead	3.0	1.8	-1.3	<3.0	-1.0	<3.0	-0.50	<3.0	-0.20	<3.0
Lithium	20	.8								
Magnesium	5000	34	-15	<5000	8.9	<5000	-6.5	<5000	-13	<5000
Manganese	15	.2	0.0	<15	-0.10	<15	0.10	<15	0.10	<15
Molybdenum	20	.6								
Nickel	10	.7	-0.30	<10	-0.20	<10	-0.20	<10	-0.50	<10
Palladium	50	1.2								
Potassium	10000	21	29.5	<10000	30.1	<10000	48.9	<10000	37.5	<10000
Selenium	10	3.2	-1.1	<10	-1.3	<10	-2.7	<10	-1.2	<10
Silicon	200	6.7								
Silver	10	.5	-0.10	<10	-1.2	<10	-0.70	<10	-0.70	<10
Sodium	10000	18	3.9	<10000	0.10	<10000	-9.8	<10000	73.0	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	-0.30	<2.0	-0.20	<2.0	0.20	<2.0	-0.80	<2.0
Tin	10	1.3								
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	0.30	<50	0.40	<50	0.40	<50	0.50	<50
Zinc	20	3.4	-0.10	<20	0.10	<20	0.10	<20	0.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34180 Units: ug/l

Time:			10:33		11:00		12:10		13:27	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34180 Units: ug/l

Time:			14:33		15:50		16:39	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	16	1.0	<200	0.80	<200	6.6	<200
Antimony	6.0	1.6	0.50	<6.0	0.70	<6.0	0.40	<6.0
Arsenic	3.0	2.2	1.1	<3.0	0.40	<3.0	0.80	<3.0
Barium	200	.3	0.10	<200	0.20	<200	0.10	<200
Beryllium	1.0	.1	0.10	<1.0	0.0	<1.0	-0.10	<1.0
Bismuth	20	1.4						
Boron	100	1						
Cadmium	3.0	.3	-0.10	<3.0	0.10	<3.0	0.10	<3.0
Calcium	5000	23	-15	<5000	-16	<5000	-9.4	<5000
Chromium	10	.8	-0.10	<10	-0.30	<10	-0.20	<10
Cobalt	50	.3	0.0	<50	0.0	<50	-0.10	<50
Copper	10	1.2	-1.7	<10	-1.4	<10	-1.5	<10
Iron	100	7.1	4.7	<100	-2.0	<100	1.5	<100
Lead	3.0	1.8	0.20	<3.0	-0.10	<3.0	-0.40	<3.0
Lithium	20	.8						
Magnesium	5000	34	20.5	<5000	-13	<5000	-6.8	<5000
Manganese	15	.2	0.0	<15	0.0	<15	0.0	<15
Molybdenum	20	.6						
Nickel	10	.7	-0.10	<10	-0.20	<10	-0.30	<10
Palladium	50	1.2						
Potassium	10000	21	34.2	<10000	27.0	<10000	20.5	<10000
Selenium	10	3.2	-2.4	<10	-1.7	<10	-1.4	<10
Silicon	200	6.7						
Silver	10	.5	-0.30	<10	-0.10	<10	-0.40	<10
Sodium	10000	18	133	<10000	59.4	<10000	23.9	<10000
Sulfur	50	13						
Strontium	10	.2						
Thallium	2.0	1.7	-0.60	<2.0	-0.50	<2.0	-0.60	<2.0
Tin	10	1.3						
Titanium	10	.7						
Tungsten	50	8.5						
Vanadium	50	.5	0.40	<50	0.20	<50	0.20	<50
Zinc	20	3.4	0.0	<20	0.0	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34180 Units: ug/l

Time:			14:33		15:50		16:39	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Zirconium	10	.5						

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34180 Units: ug/l

Time:		10:40	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39300	98.3
Antimony	2000	1990	99.5
Arsenic	2000	1990	99.5
Barium	2000	2000	100.0
Beryllium	2000	2010	100.5
Bismuth			
Boron			
Cadmium	2000	2000	100.0
Calcium	40000	40400	101.0
Chromium	2000	2030	101.5
Cobalt	2000	2040	102.0
Copper	2000	1950	97.5
Iron	40000	41100	102.8
Lead	2000	2040	102.0
Lithium			
Magnesium	40000	40200	100.5
Manganese	2000	2050	102.5
Molybdenum			
Nickel	2000	2040	102.0
Palladium			
Potassium	40000	39600	99.0
Selenium	2000	1980	99.0
Silicon			
Silver	250	250	100.0
Sodium	40000	40100	100.3
Sulfur			
Strontium			
Thallium	2000	2060	103.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2020	101.0
Zinc	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34180 Units: ug/l

Time:		10:40	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34180 Units: ug/l

Time:		10:22			12:04			13:21	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39100	97.8	40000	39400	98.5	40000	40000	100.0
Antimony	2000	1960	98.0	2000	1980	99.0	2000	1980	99.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Barium	2000	2000	100.0	2000	1960	98.0	2000	1980	99.0
Beryllium	2000	1990	99.5	2000	1980	99.0	2000	1990	99.5
Bismuth									
Boron									
Cadmium	2000	1970	98.5	2000	1980	99.0	2000	1970	98.5
Calcium	40000	40000	100.0	40000	39600	99.0	40000	39600	99.0
Chromium	2000	2020	101.0	2000	1950	97.5	2000	1940	97.0
Cobalt	2000	1980	99.0	2000	2050	102.5	2000	2040	102.0
Copper	2000	1950	97.5	2000	1890	94.5	2000	1880	94.0
Iron	40000	41400	103.5	40000	39600	99.0	40000	39100	97.8
Lead	2000	2000	100.0	2000	2100	105.0	2000	2110	105.5
Lithium									
Magnesium	40000	40800	102.0	40000	39300	98.3	40000	39200	98.0
Manganese	2000	2020	101.0	2000	2020	101.0	2000	2040	102.0
Molybdenum									
Nickel	2000	2010	100.5	2000	2090	104.5	2000	2090	104.5
Palladium									
Potassium	40000	40400	101.0	40000	38800	97.0	40000	39700	99.3
Selenium	2000	1950	97.5	2000	2000	100.0	2000	2010	100.5
Silicon									
Silver	250	251	100.4	250	240	96.0	250	238	95.2
Sodium	40000	40300	100.8	40000	39400	98.5	40000	40100	100.3
Sulfur									
Strontium									
Thallium	2000	2010	100.5	2000	2090	104.5	2000	2090	104.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1930	96.5	2000	1990	99.5	2000	1990	99.5
Zinc	2000	2020	101.0	2000	2040	102.0	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34180 Units: ug/l

Time:		10:22			12:04			13:21	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34180 Units: ug/l

Time:		14:27			15:43			16:33	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40600	101.5	40000	40500	101.3
Antimony	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Arsenic	2000	2000	100.0	2000	2020	101.0	2000	2000	100.0
Barium	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Beryllium	2000	1970	98.5	2000	1990	99.5	2000	1980	99.0
Bismuth									
Boron									
Cadmium	2000	1960	98.0	2000	1980	99.0	2000	1960	98.0
Calcium	40000	39300	98.3	40000	39400	98.5	40000	39200	98.0
Chromium	2000	1920	96.0	2000	1970	98.5	2000	1940	97.0
Cobalt	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Copper	2000	1890	94.5	2000	1940	97.0	2000	1900	95.0
Iron	40000	38500	96.3	40000	38500	96.3	40000	38100	95.3
Lead	2000	2110	105.5	2000	2130	106.5	2000	2110	105.5
Lithium									
Magnesium	40000	38800	97.0	40000	38800	97.0	40000	38500	96.3
Manganese	2000	2030	101.5	2000	2080	104.0	2000	2050	102.5
Molybdenum									
Nickel	2000	2100	105.0	2000	2110	105.5	2000	2100	105.0
Palladium									
Potassium	40000	40900	102.3	40000	42100	105.3	40000	42100	105.3
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2000	100.0
Silicon									
Silver	250	237	94.8	250	241	96.4	250	236	94.4
Sodium	40000	40900	102.3	40000	42200	105.5	40000	42300	105.8
Sulfur									
Strontium									
Thallium	2000	2090	104.5	2000	2110	105.5	2000	2100	105.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1990	99.5	2000	2030	101.5	2000	2010	100.5
Zinc	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34180 Units: ug/l

Time:		14:27			15:43			16:33	
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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34180 Units: ug/l

Time:				11:10		11:34		15:37	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	212	106.0	107	107.0	108	108.0
Antimony	6.0	20	3.0	5.2	86.7	2.8	93.3	3.6	120.0
Arsenic	8.0	20	3.0	9.4	117.5	3.9	130.0	3.6	120.0
Barium	200		4.0	203	101.5	4.1	102.5	4.4	110.0
Beryllium	2.0		1.0	2.2	110.0	1.0	100.0	1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.5	116.7	1.0	100.0	1.1	110.0
Calcium	5000		1000	5340	106.8	1110	111.0	1040	104.0
Chromium	10		2.0	11.0	110.0	2.2	110.0	1.6	80.0
Cobalt	50		3.0	52.6	105.2	3.2	106.7	3.1	103.3
Copper	10		2.0	10.4	104.0	1.3	65.0*(a)	0.20U	0.0* (a)
Iron	100	500		117	117.0				
Lead	3.0	20	2.5	2.4	80.0	3.1	124.0	3.2	128.0
Lithium	20								
Magnesium	5000		100	5260	105.2	115	115.0	105	105.0
Manganese	15		3.0	16.4	109.3	3.3	110.0	3.3	110.0
Molybdenum	20								
Nickel	10		4.0	10.6	106.0	4.0	100.0	4.4	110.0
Palladium	50								
Potassium	5000		2000	5140	102.8	2110	105.5	2210	110.5
Selenium	10	20	5.0	8.5	85.0	3.9	78.0	5.7	114.0
Silicon	200								
Silver	5.0		1.0	5.6	112.0	0.60	60.0*(a)	0.90	90.0
Sodium	5000		1000	5040	100.8	1060	106.0	1200	120.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.9	109.0	2.2	110.0	2.5	125.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	53.1	106.2	2.3	115.0	2.3	115.0
Zinc	20		10	24.3	121.5	13.3	133.0*(a	13.2	132.0*(a

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34180 Units: ug/l

Time:				11:10		11:34		15:37	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34180 Units: ug/l

Time:				16:27	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	209	104.5
Antimony	6.0	20	3.0	5.6	93.3
Arsenic	8.0	20	3.0	8.7	108.8
Barium	200		4.0	204	102.0
Beryllium	2.0		1.0	2.1	105.0
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	3.2	106.7
Calcium	5000		1000	4970	99.4
Chromium	10		2.0	9.7	97.0
Cobalt	50		3.0	52.1	104.2
Copper	10		2.0	8.7	87.0
Iron	100	500		104	104.0
Lead	3.0	20	2.5	3.5	116.7
Lithium	20				
Magnesium	5000		100	5210	104.2
Manganese	15		3.0	16.1	107.3
Molybdenum	20				
Nickel	10		4.0	10.4	104.0
Palladium	50				
Potassium	5000		2000	5220	104.4
Selenium	10	20	5.0	9.9	99.0
Silicon	200				
Silver	5.0		1.0	4.5	90.0
Sodium	5000		1000	5300	106.0
Sulfur	50				
Strontium	10				
Thallium	10		2.0	10.4	104.0
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	52.0	104.0
Zinc	20		10	23.4	117.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34180 Units: ug/l

Time:				16:27	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34180 Units: ug/l

Time:			11:40		11:46	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	518000	103.6	512000	102.4
Antimony		1000	-0.40		1050	105.0
Arsenic		1000	4.3		1120	112.0
Barium		500	-1.3		504	100.8
Beryllium		500	0.70		499	99.8
Bismuth		500	30.6		588	117.6
Boron			-0.70		3.0	
Cadmium		1000	3.2		1030	103.0
Calcium	400000	400000	392000	98.0	386000	96.5
Chromium		500	0.30		481	96.2
Cobalt		500	-0.80		492	98.4
Copper		500	-2.9		518	103.6
Iron	200000	200000	193000	96.5	189000	94.5
Lead		1000	-3.5		997	99.7
Lithium		500	4.5		575	115.0
Magnesium	500000	500000	521000	104.2	522000	104.4
Manganese		500	4.8		519	103.8
Molybdenum		500	1.4		500	100.0
Nickel		1000	0.60		977	97.7
Palladium		500	-13		498	99.6
Potassium			5.3		16.1	
Selenium		1000	15.1		1120	112.0
Silicon			-0.70		-0.20	
Silver		1000	-8.9		1120	112.0
Sodium			-12		-9.6	
Sulfur		500	-28		484	96.8
Strontium			-5.2		-5.1	
Thallium		1000	1.1		993	99.3
Tin			-2.0		-1.4	
Titanium			2.6		2.2	
Tungsten		500				
Vanadium		500	4.0		489	97.8
Zinc		1000	2.3		972	97.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34180 Units: ug/l

Time:			11:40		11:46	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zirconium		500	1.2		576	115.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:59	MA34186-STD1	1		STDA
18:05	MA34186-STD2	1		STDB
18:11	ZZZZZZ	1		
18:17	ZZZZZZ	1		
18:23	MA34186-ICV1	1		
18:29	MA34186-ICB1	1		
18:35	MA34186-CCV1	1		
18:41	MA34186-CCB1	1		
18:47	MA34186-CRI1	1		
18:53	MA34186-CRID1	1		
18:59	MA34186-CRIA1	1		
19:05	MA34186-CRID2	1		
19:11	MA34186-ICSA1	1		
19:17	MA34186-ICSAB1	1		
19:23	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:41	MA34186-CCV2	1		
19:47	MA34186-CCB2	1		
19:53	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:06	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:30	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:47	MA34186-CCV3	1		
20:53	MA34186-CCB3	1		
20:59	MP79823-MB3	1		
21:05	MP79823-LC2	1		
21:11	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
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
21:18	ZZZZZZ	1		
21:24	ZZZZZZ	1		
21:30	ZZZZZZ	1		
21:36	MP79902-S1	1		
21:41	MP79902-S2	1		
21:47	JB68594-22A	1		(sample used for QC only; not part of login JB68318)
21:53	ZZZZZZ	1		
21:59	MA34186-CCV4	1		
22:05	MA34186-CCB4	1		
22:11	MP79902-SD1	5		
22:17	JB68318-1	1		
22:23	JB68318-2	1		
22:29	JB68318-3	1		
22:35	JB68318-4	1		
22:41	JB68318-5	1		
22:47	JB68318-8	1		high rsd
22:53	JB68318-9	1		
22:58	JB68318-10	1		
---------->	Last reportable sample/prep for job JB68318			
23:04	MA34186-CCV5	1		
23:10	MA34186-CCB5	1		
23:16	ZZZZZZ	1		
23:22	ZZZZZZ	1		
23:28	ZZZZZZ	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	MA34186-CCV6	1		
00:16	MA34186-CCB6	1		
00:22	MA34186-CRI2	1		
00:28	MA34186-CRID3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
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
00:34	MA34186-CRIA2	1		
00:40	MA34186-ICSA2	1		
00:46	MA34186-ICSAB2	1		
00:52	MA34186-CCV7	1		
00:58	MA34186-CCB7	1		
---------->	Last reportable CCB for job JB68318			
01:04	ZZZZZZ	1		
01:10	MP79846-MB2	1		Y 2243 out on CRI
01:16	MP79846-B2	1		Y 2243 out on CRI
01:22	MP79846-S1	1		Y 2243 out on CRI
01:28	MP79846-S2	1		Y 2243 out on CRI
01:34	JB67912-25A	1		(sample used for QC only; not part of login JB68318)
01:40	MP79846-SD1	5		Y 2243 out on CRI
01:46	ZZZZZZ	1		
01:52	ZZZZZZ	1		
01:58	ZZZZZZ	1		
02:03	MA34186-CCV8	1		
02:09	MA34186-CCB8	1		
02:15	ZZZZZZ	1		
02:21	ZZZZZZ	1		
02:27	ZZZZZZ	1		
02:33	ZZZZZZ	1		
02:39	MP79906-B1	1		Cd and Ag high
02:45	MP79906-MB1	1		Batch to reanalyze for Zn, Y 2243 on CRI
02:51	MP79906-S1	1		
02:57	MP79906-S2	1		
03:03	JB68366-1AB	1		(sample used for QC only; not part of login JB68318)
03:09	MP79906-SD1	5		
03:16	MA34186-CCV9	1		
03:21	MA34186-CCB9	1		
03:27	ZZZZZZ	1		
03:34	ZZZZZZ	1		
03:40	ZZZZZZ	1		
03:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:52	ZZZZZZ	1		
03:58	ZZZZZZ	1		
04:04	ZZZZZZ	1		
04:10	ZZZZZZ	1		
04:16	ZZZZZZ	1		
04:22	ZZZZZZ	1		
04:28	MA34186-CCV10	1		
04:34	MA34186-CCB10	1		
04:40	ZZZZZZ	1		
04:46	ZZZZZZ	1		
04:53	ZZZZZZ	1		
04:59	ZZZZZZ	1		
05:05	ZZZZZZ	1		
05:11	ZZZZZZ	1		
05:17	ZZZZZZ	1		
05:23	MP79907-MB1	1		Batch to reanalyze for Cd, Y 2243 out on CRI
05:29	MP79907-B1	1		
05:35	MP79907-S1	1		
05:41	MA34186-CCV11	1		
05:47	MA34186-CCB11	1		
05:53	MP79907-S2	1		
05:59	JB68224-6	1		(sample used for QC only; not part of login JB68318)
06:05	MP79907-SD1	5		
06:11	MA34186-CCV12	1		
06:17	MA34186-CCB12	1		
06:23	MA34186-CRI3	1		
06:29	MA34186-CRID4	1		
06:35	MA34186-CRIA3	1		
06:41	MA34186-CCV13	1		
06:47	MA34186-CCB13	1		
06:53	ZZZZZZ	1		
06:59	ZZZZZZ	1		
07:05	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:11	ZZZZZZ	1		
07:18	ZZZZZZ	1		
07:24	ZZZZZZ	1		
07:30	ZZZZZZ	1		
07:36	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:48	ZZZZZZ	1		
07:54	ZZZZZZ	1		
08:00	ZZZZZZ	1		
08:06	ZZZZZZ	1		
08:13	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:59	MA34186-STD1	2686 R	72132 R	8442 R	3785 R
18:05	MA34186-STD2	2499	67773	8162	3424
18:11	ZZZZZZ	2584	67534	8184	3546
18:17	ZZZZZZ	2690	72698	8441	3774
18:23	MA34186-ICV1	2570	69660	8283	3524
18:29	MA34186-ICB1	2710	72658	8376	3796
18:35	MA34186-CCV1	2577	69305	8166	3536
18:41	MA34186-CCB1	2712	73012	8365	3793
18:47	MA34186-CRI1	2692	72502	8345	3776
18:53	MA34186-CRID1	No results reported for the elements associated with this internal standard.			
18:59	MA34186-CRIA1	2672	72821	8742	3740
19:05	MA34186-CRID2	2696	72744	8321	3780
19:11	MA34186-ICSA1	2319	62563	7792	3111
19:17	MA34186-ICSAB1	2323	62548	7723	3118
19:23	ZZZZZZ	2667	72109	8266	3753
19:29	ZZZZZZ	2659	73129	8458	3792
19:35	ZZZZZZ	2726	73373	8329	3887
19:41	MA34186-CCV2	2627	71130	8250	3589
19:47	MA34186-CCB2	2752	73598	8270	3843
19:53	ZZZZZZ	2714	75196	8502	3807
19:59	ZZZZZZ	2415	67804	8028	3304
20:06	ZZZZZZ	2668	75897	8496	3782
20:12	ZZZZZZ	2712	75781	8458	3805
20:18	ZZZZZZ	2724	74929	8214	3822
20:24	ZZZZZZ	2747	74585	8583	3777
20:30	ZZZZZZ	2724	73925	8486	3704
20:36	ZZZZZZ	2710	74327	8613	3715
20:41	ZZZZZZ	2763	74912	8499	3823
20:47	MA34186-CCV3	2595	73826	8051	3549
20:53	MA34186-CCB3	2737	74769	8395	3831
20:59	MP79823-MB3	2402	63894	7799	3135
21:05	MP79823-LC2	2650	71948	8132	3730
21:11	ZZZZZZ	2235	61626	7552	2945

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
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
21:18	ZZZZZZ	2631	72113	8284	3720
21:24	ZZZZZZ	2654	72223	8124	3722
21:30	ZZZZZZ	2592	72527	8167	3640
21:36	MP79902-S1	2600	71110	8343	3560
21:41	MP79902-S2	2635	71864	8321	3567
21:47	JB68594-22A	2630	72480	8386	3603
21:53	ZZZZZZ	2542	69038	8429	3508
21:59	MA34186-CCV4	2540	70212	8001	3502
22:05	MA34186-CCB4	2612	72431	8049	3678
22:11	MP79902-SD1	2639	71777	8183	3683
22:17	JB68318-1	2510	70668	8132	3507
22:23	JB68318-2	2498	69549	8340	3499
22:29	JB68318-3	2486	69750	8250	3493
22:35	JB68318-4	2464	70246	8283	3488
22:41	JB68318-5	2459	69713	8312	3470
22:47	JB68318-8	2504	69457	8345	3555
22:53	JB68318-9	2448	69718	8294	3480
22:58	JB68318-10	2468	69601	8192	3522
23:04	MA34186-CCV5	2418	66450	7839	3390
23:10	MA34186-CCB5	2518	69064	7993	3608
23:16	ZZZZZZ	2527	69394	8336	3525
23:22	ZZZZZZ	No results reported for the elements associated with this internal standard.			
23:28	ZZZZZZ	2409	70058	8282	3420
23:34	ZZZZZZ	2455	70321	8195	3474
23:40	ZZZZZZ	2484	68864	8230	3482
23:46	ZZZZZZ	2493	69082	8235	3515
23:52	ZZZZZZ	2479	68447	8177	3509
23:58	ZZZZZZ	2493	68553	8178	3504
00:04	ZZZZZZ	2501	69158	8255	3473
00:10	MA34186-CCV6	2424	64818	7871	3420
00:16	MA34186-CCB6	2498	68742	7885	3612
00:22	MA34186-CRI2	2489	68544	7854	3613
00:28	MA34186-CRID3	2518	69612	7919	3645

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
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
00:34	MA34186-CRIA2	2506	68621	7884	3634
00:40	MA34186-ICSA2	2183	59752	7318	3020
00:46	MA34186-ICSAB2	2158	60424	7149	2996
00:52	MA34186-CCV7	2414	65414	7681	3421
00:58	MA34186-CCB7	2500	68388	7918	3631
01:04	ZZZZZZ	2465	68529	8040	3517
01:10	MP79846-MB2	2452	69073	7973	3594
01:16	MP79846-B2	2434	67385	7767	3534
01:22	MP79846-S1	2458	67863	8010	3462
01:28	MP79846-S2	2481	68758	7833	3496
01:34	JB67912-25A	2462	68790	8077	3506
01:40	MP79846-SD1	2488	69305	7904	3571
01:46	ZZZZZZ	2183	62016	7754	3372
01:52	ZZZZZZ	2455	67980	7937	3493
01:58	ZZZZZZ	2445	67757	7904	3560
02:03	MA34186-CCV8	2425	66105	7741	3444
02:09	MA34186-CCB8	2516	68396	7908	3649
02:15	ZZZZZZ	2355	66784	7917	3381
02:21	ZZZZZZ	2131	64636	7472	3638
02:27	ZZZZZZ	2501	69435	8114	3519
02:33	ZZZZZZ	2503	68837	7938	3635
02:39	MP79906-B1	2241	61502	7563	3052
02:45	MP79906-MB1	2258	59658	7459	3073
02:51	MP79906-S1	2243	61376	7389	3064
02:57	MP79906-S2	2255	61688	7329	3075
03:03	JB68366-1AB	2247	65059	6659	3052
03:09	MP79906-SD1	2435	66085	7435	3420
03:16	MA34186-CCV9	2421	65357	7313	3423
03:21	MA34186-CCB9	2520	68921	7504	3639
03:27	ZZZZZZ	2191	60747	7229	2981
03:34	ZZZZZZ	2195	60283	7095	2982
03:40	ZZZZZZ	2180	60023	7051	2968
03:46	ZZZZZZ	2203	61920	6999	2987

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:52	ZZZZZZ	2216	60973	7025	3007
03:58	ZZZZZZ	2294	62606	7047	3135
04:04	ZZZZZZ	2280	62314	7042	3124
04:10	ZZZZZZ	2280	61864	7039	3127
04:16	ZZZZZZ	2284	62173	7167	3126
04:22	ZZZZZZ	2267	61829	7003	3110
04:28	MA34186-CCV10	2457	67141	7141	3466
04:34	MA34186-CCB10	2558	69685	7213	3685
04:40	ZZZZZZ	2210	60655	6828	2985
04:46	ZZZZZZ	2255	62117	6850	3051
04:53	ZZZZZZ	2292	62282	7019	3144
04:59	ZZZZZZ	2282	61389	7076	3115
05:05	ZZZZZZ	2280	62011	6901	3111
05:11	ZZZZZZ	2263	62030	6805	3099
05:17	ZZZZZZ	2287	61100	6772	3128
05:23	MP79907-MB1	2530	70754	7143	3693
05:29	MP79907-B1	2524	69070	7169	3638
05:35	MP79907-S1	2507	69852	7181	3706
05:41	MA34186-CCV11	2450	66721	7100	3472
05:47	MA34186-CCB11	2547	69186	7076	3682
05:53	MP79907-S2	2490	69688	7405	3685
05:59	JB68224-6	2488	69691	7231	3672
06:05	MP79907-SD1	2482	69960	7365	3633
06:11	MA34186-CCV12	2419	66347	6985	3439
06:17	MA34186-CCB12	2575	70285	6953	3727
06:23	MA34186-CRI3	999999 !a	69358	6980	3750
06:29	MA34186-CRID4	2536	68896	7041	3676
06:35	MA34186-CRIA3	2565	71131	7077	3716
06:41	MA34186-CCV13	2445	66421	6959	3469
06:47	MA34186-CCB13	2549	70251	6681	3690
06:53	ZZZZZZ	2493	63938	6914	3576
06:59	ZZZZZZ	2551	69149	7040	3685
07:05	ZZZZZZ	2542	69257	7022	3673

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34186
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:11	ZZZZZZ	2555	69704	999999 !	3719
07:18	ZZZZZZ	2521	69039	6995	3648
07:24	ZZZZZZ	2523	67720	7103	3663
07:30	ZZZZZZ	2311	64435	6680	3248
07:36	ZZZZZZ	2340	61424	6645	3206
07:42	ZZZZZZ	2498	68490	6990	3659
07:48	ZZZZZZ	2502	70367	6975	3671
07:54	ZZZZZZ	2511	68398	6917	3712
08:00	ZZZZZZ	2498	68207	6937	3662
08:06	ZZZZZZ	2493	68336	7029	3654
08:13	ZZZZZZ	2527	68957	6928	3692

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34186 Units: ug/l

Time: / Sample ID:			18:29 ICB1		18:41 CCB1		19:47 CCB2		20:53 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	-16	<200	-12	<200	-6.0	<200	-4.7	<200
Antimony	6.0	1.6	0.30	<6.0	0.60	<6.0	1.1	<6.0	0.10	<6.0
Arsenic	3.0	2.2	2.4	<3.0	2.2	<3.0	0.80	<3.0	1.5	<3.0
Barium	200	.3	0.0	<200	-0.10	<200	0.0	<200	0.20	<200
Beryllium	1.0	.1	0.10	<1.0	0.10	<1.0	0.10	<1.0	0.10	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	-0.10	<3.0	0.0	<3.0	0.0	<3.0	-0.10	<3.0
Calcium	5000	23	-3.8	<5000	-6.4	<5000	-3.1	<5000	-6.1	<5000
Chromium	10	.8	0.20	<10	-0.20	<10	0.20	<10	0.50	<10
Cobalt	50	.3	0.20	<50	0.10	<50	0.10	<50	0.10	<50
Copper	10	1.2	0.10	<10	0.30	<10	0.10	<10	-0.10	<10
Iron	100	7.1	2.0	<100	-2.4	<100	8.0	<100	10.2	<100
Lead	3.0	1.8	-0.10	<3.0	-0.30	<3.0	-0.60	<3.0	0.40	<3.0
Lithium	20	.8								
Magnesium	5000	34	1.3	<5000	-65	<5000	-32	<5000	-27	<5000
Manganese	15	.2	0.10	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	20	.6	anr							
Nickel	10	.7	0.0	<10	0.30	<10	0.20	<10	0.20	<10
Palladium	50	1.2								
Potassium	10000	21	70.8	<10000	50.3	<10000	18.5	<10000	30.4	<10000
Selenium	10	3.2	-2.8	<10	-3.3	<10	-1.2	<10	-1.4	<10
Silicon	200	6.7								
Silver	10	.5	-0.30	<10	-0.30	<10	-0.30	<10	-0.10	<10
Sodium	10000	18	-5.6	<10000	-9.8	<10000	-11	<10000	-7.1	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	-1.1	<2.0	-0.90	<2.0	1.2	<2.0	0.30	<2.0
Tin	10	1.3	anr							
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	0.50	<50	0.30	<50	0.20	<50	0.30	<50
Zinc	20	3.4	0.10	<20	0.10	<20	0.10	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34186 Units: ug/l

Time:			18:29		18:41		19:47		20:53	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34186 Units: ug/l

Time: / Sample ID:			22:05 CCB4		23:10 CCB5		00:16 CCB6		00:58 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	-12	<200	-5.7	<200	-4.0	<200	-8.1	<200
Antimony	6.0	1.6	0.50	<6.0	-0.50	<6.0	-0.10	<6.0	-0.50	<6.0
Arsenic	3.0	2.2	1.1	<3.0	0.60	<3.0	0.80	<3.0	0.60	<3.0
Barium	200	.3	0.20	<200	0.20	<200	0.0	<200	0.10	<200
Beryllium	1.0	.1	0.10	<1.0	0.10	<1.0	0.30	<1.0	0.10	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	0.10	<3.0	0.10	<3.0	0.0	<3.0	0.10	<3.0
Calcium	5000	23	-2.8	<5000	-1.6	<5000	4.3	<5000	11.7	<5000
Chromium	10	.8	0.0	<10	0.30	<10	0.20	<10	0.10	<10
Cobalt	50	.3	0.40	<50	0.30	<50	0.10	<50	0.20	<50
Copper	10	1.2	0.30	<10	1.1	<10	1.5	<10	1.8	<10
Iron	100	7.1	7.9	<100	2.9	<100	8.4	<100	12.3	<100
Lead	3.0	1.8	0.20	<3.0	0.70	<3.0	-0.10	<3.0	0.0	<3.0
Lithium	20	.8								
Magnesium	5000	34	-45	<5000	-42	<5000	-50	<5000	-52	<5000
Manganese	15	.2	0.30	<15	0.20	<15	0.30	<15	0.20	<15
Molybdenum	20	.6	anr							
Nickel	10	.7	0.30	<10	0.20	<10	0.30	<10	0.40	<10
Palladium	50	1.2								
Potassium	10000	21	26.4	<10000	60.0	<10000	4.7	<10000	46.7	<10000
Selenium	10	3.2	-2.0	<10	-1.9	<10	-1.8	<10	-1.3	<10
Silicon	200	6.7								
Silver	10	.5	-0.80	<10	-0.90	<10	-0.50	<10	-0.60	<10
Sodium	10000	18	-5.6	<10000	-21	<10000	-0.90	<10000	-26	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	0.70	<2.0	1.1	<2.0	0.90	<2.0	1.2	<2.0
Tin	10	1.3	anr							
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	0.0	<50	0.50	<50	0.30	<50	0.50	<50
Zinc	20	3.4	0.20	<20	0.20	<20	0.10	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34186 Units: ug/l

Time:			22:05		23:10		00:16		00:58	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34186 Units: ug/l

Time:		18:23			18:35			19:41	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40000	100.0	40000	39100	97.8
Antimony	2000	1990	99.5	2000	1990	99.5	2000	1950	97.5
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	1960	98.0
Barium	2000	2020	101.0	2000	2030	101.5	2000	1990	99.5
Beryllium	2000	2020	101.0	2000	2040	102.0	2000	1990	99.5
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	2000	100.0	2000	1950	97.5
Calcium	40000	40700	101.8	40000	40800	102.0	40000	39700	99.3
Chromium	2000	2020	101.0	2000	2030	101.5	2000	1980	99.0
Cobalt	2000	2040	102.0	2000	2040	102.0	2000	2000	100.0
Copper	2000	1960	98.0	2000	1960	98.0	2000	1900	95.0
Iron	40000	40900	102.3	40000	41100	102.8	40000	40000	100.0
Lead	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Lithium									
Magnesium	40000	40200	100.5	40000	40600	101.5	40000	39700	99.3
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Molybdenum	anr								
Nickel	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Palladium									
Potassium	40000	40400	101.0	40000	40800	102.0	40000	40600	101.5
Selenium	2000	2000	100.0	2000	1990	99.5	2000	1960	98.0
Silicon									
Silver	250	246	98.4	250	247	98.8	250	241	96.4
Sodium	40000	40900	102.3	40000	41200	103.0	40000	41000	102.5
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2060	103.0	2000	2030	101.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	2040	102.0	2000	1980	99.0
Zinc	2000	2040	102.0	2000	2050	102.5	2000	2010	100.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34186 Units: ug/l

Time:		18:23			18:35			19:41	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34186 Units: ug/l

Time:		20:47			21:59			23:04	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	39200	98.0	40000	40900	102.3
Antimony	2000	1990	99.5	2000	2020	101.0	2000	2090	104.5
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	2060	103.0
Barium	2000	2080	104.0	2000	2020	101.0	2000	2080	104.0
Beryllium	2000	2070	103.5	2000	2020	101.0	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	1980	99.0	2000	2020	101.0	2000	2080	104.0
Calcium	40000	40900	102.3	40000	39900	99.8	40000	41400	103.5
Chromium	2000	1920	96.0	2000	2010	100.5	2000	2110	105.5
Cobalt	2000	2050	102.5	2000	2060	103.0	2000	2080	104.0
Copper	2000	1820	91.0	2000	1940	97.0	2000	2070	103.5
Iron	40000	41600	104.0	40000	40600	101.5	40000	42500	106.3
Lead	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Lithium									
Magnesium	40000	40600	101.5	40000	39700	99.3	40000	40500	101.3
Manganese	2000	1950	97.5	2000	2030	101.5	2000	2090	104.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5
Palladium									
Potassium	40000	41900	104.8	40000	40400	101.0	40000	39800	99.5
Selenium	2000	2000	100.0	2000	2020	101.0	2000	2080	104.0
Silicon									
Silver	250	234	93.6	250	246	98.4	250	259	103.6
Sodium	40000	41800	104.5	40000	40200	100.5	40000	39400	98.5
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2090	104.5	2000	2100	105.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1930	96.5	2000	2010	100.5	2000	2090	104.5
Zinc	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0

10.2.3 10
1062 of 1411
ACCUTEST LABORATORIES
JB68318

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34186 Units: ug/l

Time:		20:47			21:59			23:04	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34186 Units: ug/l

Time:		00:10			00:52	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40500	101.3
Antimony	2000	2080	104.0	2000	2080	104.0
Arsenic	2000	2050	102.5	2000	2050	102.5
Barium	2000	2030	101.5	2000	2060	103.0
Beryllium	2000	2040	102.0	2000	2070	103.5
Bismuth						
Boron						
Cadmium	2000	2080	104.0	2000	2080	104.0
Calcium	40000	40600	101.5	40000	41400	103.5
Chromium	2000	2190	109.5	2000	2160	108.0
Cobalt	2000	2070	103.5	2000	2070	103.5
Copper	2000	2120	106.0	2000	2090	104.5
Iron	40000	41900	104.8	40000	42800	107.0
Lead	2000	2040	102.0	2000	2030	101.5
Lithium						
Magnesium	40000	40200	100.5	40000	41000	102.5
Manganese	2000	2160	108.0	2000	2130	106.5
Molybdenum	anr					
Nickel	2000	2060	103.0	2000	2050	102.5
Palladium						
Potassium	40000	38200	95.5	40000	38200	95.5
Selenium	2000	2070	103.5	2000	2060	103.0
Silicon						
Silver	250	266	106.4	250	264	105.6
Sodium	40000	37500	93.8	40000	37400	93.5
Sulfur						
Strontium						
Thallium	2000	2090	104.5	2000	2090	104.5
Tin	anr					
Titanium						
Tungsten						
Vanadium	2000	2160	108.0	2000	2130	106.5
Zinc	2000	2090	104.5	2000	2090	104.5

10.2.3 10
1064 of 1411
ACCUTEST LABORATORIES
JB68318

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34186 Units: ug/l

Time:		00:10			00:52	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34186 Units: ug/l

Time:				18:47		18:59		19:05	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	195	97.5	470	94.0	99.9	99.9
Antimony	6.0	20	3.0	6.4	106.7	19.0	95.0	2.8	93.3
Arsenic	8.0	20	3.0	10.2	127.5	21.0	105.0	3.3	110.0
Barium	200		4.0	206	103.0			4.4	110.0
Beryllium	2.0		1.0	2.1	105.0			1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.3	110.0			1.0	100.0
Calcium	5000		1000	5300	106.0			1070	107.0
Chromium	10		2.0	10.8	108.0			2.0	100.0
Cobalt	50		3.0	52.2	104.4			3.2	106.7
Copper	10		2.0	9.8	98.0			2.1	105.0
Iron	100	500		110	110.0	515	103.0		
Lead	3.0	20	2.5	3.0	100.0	21.3	106.5	2.8	112.0
Lithium	20								
Magnesium	5000		100	5250	105.0			88.6	88.6
Manganese	15		3.0	16.5	110.0			3.4	113.3
Molybdenum	20			anr					
Nickel	10		4.0	10.6	106.0			4.2	105.0
Palladium	50								
Potassium	5000		2000	5220	104.4			2130	106.5
Selenium	10	20	5.0	10.8	108.0	20.6	103.0	4.9	98.0
Silicon	200								
Silver	5.0		1.0	4.0	80.0			0.70	70.0
Sodium	5000		1000	5270	105.4			1090	109.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.7	107.0			3.5	175.0*(a
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	52.8	105.6			1.8	90.0
Zinc	20		10	24.3	121.5				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34186 Units: ug/l

Time:				18:47		18:59		19:05	
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 TLNJ in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34186 Units: ug/l

Time:				00:22		00:28		00:34	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	200	100.0	101	101.0	511	102.2
Antimony	6.0	20	3.0	7.0	116.7	3.2	106.7	20.3	101.5
Arsenic	8.0	20	3.0	10.3	128.8	3.6	120.0	21.2	106.0
Barium	200		4.0	211	105.5	4.5	112.5		
Beryllium	2.0		1.0	2.4	120.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.0	100.0		
Calcium	5000		1000	5400	108.0	1100	110.0		
Chromium	10		2.0	11.2	112.0	2.1	105.0		
Cobalt	50		3.0	53.8	107.6	3.1	103.3		
Copper	10		2.0	12.2	122.0				
Iron	100	500		127	127.0			562	112.4
Lead	3.0	20	2.5	2.8	93.3	3.0	120.0	21.3	106.5
Lithium	20								
Magnesium	5000		100	5360	107.2				
Manganese	15		3.0	17.0	113.3	3.5	116.7		
Molybdenum	20			anr					
Nickel	10		4.0	11.0	110.0	4.4	110.0		
Palladium	50								
Potassium	5000		2000	4900	98.0	1970	98.5		
Selenium	10	20	5.0	12.2	122.0	3.6	72.0	21.2	106.0
Silicon	200								
Silver	5.0		1.0	5.3	106.0				
Sodium	5000		1000	4800	96.0	955	95.5		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.1	111.0	3.2	160.0*(a		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	55.1	110.2	2.2	110.0		
Zinc	20		10	25.2	126.0				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34186 Units: ug/l

Time:				00:22		00:28		00:34	
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 TLNJ in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34186 Units: ug/l

Time:			19:11		19:17		00:40		00:46	
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	518000	103.6	521000	104.2	532000	106.4
Antimony		1000	0.40		1050	105.0	2.0		1110	111.0
Arsenic		1000	3.6		1100	110.0	1.0		1150	115.0
Barium		500	-1.0		519	103.8	-1.3		536	107.2
Beryllium		500	0.70		508	101.6	0.70		530	106.0
Bismuth		500	31.0		569	113.8	33.1		594	118.8
Boron			-0.80		4.6		-0.30		1.6	
Cadmium		1000	3.1		1030	103.0	3.8		1090	109.0
Calcium	400000	400000	385000	96.3	390000	97.5	398000	99.5	405000	101.3
Chromium		500	0.50		488	97.6	0.20		509	101.8
Cobalt		500	-1.0		485	97.0	-0.80		501	100.2
Copper		500	-0.70		520	104.0	-1.5		543	108.6
Iron	200000	200000	190000	95.0	193000	96.5	201000	100.5	205000	102.5
Lead		1000	-1.9		966	96.6	-1.5		973	97.3
Lithium		500	4.5		581	116.2	5.2		635	127.0*
Magnesium	500000	500000	517000	103.4	524000	104.8	529000	105.8	544000	108.8
Manganese		500	4.5		517	103.4	7.3		525	105.0
Molybdenum		500	0.70		501	100.2	0.0		542	108.4
Nickel		1000	0.80		954	95.4	0.70		966	96.6
Palladium		500	-9.1		595	119.0	-15		631	126.2*
Potassium			64.9		104		93.3		95.1	
Selenium		1000	2.5		1100	110.0	4.1		1150	115.0
Silicon			-0.30		0.10		-0.90		-1.9	
Silver		1000	2.7		1100	110.0	-0.40		1150	115.0
Sodium			2.6		7.6		-14		7.7	
Sulfur		500	-23		488	97.6	-17		525	105.0
Strontium			-4.9		-5.0		-4.9		-4.9	
Thallium		1000	-3.8		967	96.7	-0.80		991	99.1
Tin			-2.7		-2.9		-3.0		-2.4	
Titanium			2.2		2.2		2.0		2.2	
Tungsten		500	-29		592	118.4	-44		595	119.0
Vanadium		500	4.0		489	97.8	3.7		500	100.0
Zinc		1000	2.6		969	96.9	2.9		1000	100.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060614M2.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34186 Units: ug/l

Time:			19:11		19:17		00:40		00:46	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	0.90		239	47.8*	2.2		244	48.8*

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34195
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:13	MA34195-STD1	1		STDA
09:19	MA34195-STD2	1		STDB
09:25	ZZZZZZ	1		
09:31	ZZZZZZ	1		
09:39	MA34195-ICV1	1		
09:45	MA34195-ICV2	1		
10:04	MA34195-ICB1	1		
10:09	MA34195-ICCV1	1		
10:27	MA34195-CCB1	1		
10:32	MA34195-CRI1	1		
10:38	MA34195-CRID1	1		
10:44	MA34195-CRIA1	1		
10:50	MA34195-CRID2	1		
10:57	MA34195-ICSA1	1		
11:03	MA34195-ICSAB1	1		
11:09	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:21	MA34195-CCV1	1		
11:27	MA34195-CCB2	1		
11:33	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:59	ZZZZZZ	2		
12:05	ZZZZZZ	2		
12:11	ZZZZZZ	3		
12:17	ZZZZZZ	3		
12:23	ZZZZZZ	5		
12:29	ZZZZZZ	2		
12:35	MA34195-CCV2	1		
12:41	MA34195-CCB3	1		
12:47	ZZZZZZ	1		
12:54	ZZZZZZ	2		
12:59	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34195
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:06	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:24	JB68318-8	1		
---------->	Last reportable sample/prep for job JB68318			
13:30	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:42	MA34195-CCV3	1		
13:48	MA34195-CCB4	1		
13:54	ZZZZZZ	10		
14:01	ZZZZZZ	10		
14:07	MP79911-MB1	1		
14:13	MP79911-LC1	1		
14:19	MP79911-S1	1		To reprep for Ag
14:25	MP79911-S2	1		To reprep for Ag
14:31	JB67939-2	1		(sample used for QC only; not part of login JB68318)
14:37	MP79911-SD1	5		
14:43	ZZZZZZ	1		
14:49	MA34195-CCV4	1		
14:55	MA34195-CCB5	1		
15:01	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:56	MA34195-CCV5	1		
16:02	MA34195-CCB6	1		
16:09	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:21	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34195
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:27	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:51	ZZZZZZ	1		
16:57	ZZZZZZ	1		
17:03	MA34195-CCV6	1		
17:09	MA34195-CCB7	1		
17:15	MA34195-CRI2	1		
17:22	MA34195-CRID3	1		
17:28	MA34195-CRIA2	1		
17:34	MA34195-ICSA2	1		
17:40	MA34195-ICSAB2	1		
17:46	MA34195-CCV7	1		
17:54	MA34195-CCV8	1		
17:59	MA34195-CCB8	1		
---------->	Last reportable CCB for job JB68318			
18:07	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34195
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:13	MA34195-STD1	1993 R	59944 R	14196 R	4213 R
09:19	MA34195-STD2	1826	54506	13775	3546
09:25	ZZZZZZ	1882	56362	13901	3704
09:31	ZZZZZZ	1980	59886	14193	4192
09:39	MA34195-ICV1	No results reported for the elements associated with this internal standard.			
09:45	MA34195-ICV2	1870	56211	13869	3679
10:04	MA34195-ICB1	1965	59736	14157	4162
10:09	MA34195-ICCV1	1859	56208	13979	3673
10:27	MA34195-CCB1	1956	60120	14331	4158
10:32	MA34195-CRI1	1932	58683	14241	4042
10:38	MA34195-CRID1	No results reported for the elements associated with this internal standard.			
10:44	MA34195-CRIA1	1960	60337	14318	4156
10:50	MA34195-CRID2	1916	58409	13959	4050
10:57	MA34195-ICSA1	1687	50757	13176	3176
11:03	MA34195-ICSAB1	1691	50922	13120	3186
11:09	ZZZZZZ	1900	57726	14052	4043
11:15	ZZZZZZ	1925	59545	14116	4147
11:21	MA34195-CCV1	1849	55807	13735	3652
11:27	MA34195-CCB2	1957	59527	14028	4144
11:33	ZZZZZZ	1901	58274	13857	4090
11:47	ZZZZZZ	1805	54736	13721	3642
11:53	ZZZZZZ	1908	58451	13959	4090
11:59	ZZZZZZ	1937	58419	14139	3939
12:05	ZZZZZZ	1939	57902	14023	3961
12:11	ZZZZZZ	1894	56978	13793	3886
12:17	ZZZZZZ	1906	57497	13797	3879
12:23	ZZZZZZ	1868	56384	13580	3833
12:29	ZZZZZZ	1793	54940	13431	3786
12:35	MA34195-CCV2	1836	54985	13359	3609
12:41	MA34195-CCB3	1998	59955	13923	4203
12:47	ZZZZZZ	1807	53080	13327	3475
12:54	ZZZZZZ	1899	56557	13564	3887
12:59	ZZZZZZ	1850	54385	13567	3630

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34195
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	
13:06	ZZZZZZ	1826	53189	13471	3574	
13:12	ZZZZZZ	1647	47114	13055	3033	
13:18	ZZZZZZ	1983	60616	13644	4153	
13:24	JB68318-8	1938	58894	13822	3895	
13:30	ZZZZZZ	1982	59299	14153	3931	
13:36	ZZZZZZ	1984	59813	13824	4180	
13:42	MA34195-CCV3	1874	55682	13437	3670	
13:48	MA34195-CCB4	1993	59635	13631	4173	
13:54	ZZZZZZ	1827	57251	13559	3864	
14:01	ZZZZZZ	1800	56223	13445	3815	
14:07	MP79911-MB1	1948	59129	13700	4105	
14:13	MP79911-LC1	1962	58660	13746	4014	
14:19	MP79911-S1	1761	52557	13272	3442	
14:25	MP79911-S2	1742	52057	13171	3410	
14:31	JB67939-2	1810	53892	13459	3581	
14:37	MP79911-SD1	1865	56500	14067	3837	
14:43	ZZZZZZ	1850	55716	13347	3719	
14:49	MA34195-CCV4	1904	56412	13653	3734	
14:55	MA34195-CCB5	2003	60314	13891	4208	
15:01	ZZZZZZ	1865	56275	13672	3774	
15:07	ZZZZZZ	1851	55784	13510	3750	
15:13	ZZZZZZ	1848	55702	13538	3719	
15:19	ZZZZZZ	1928	58313	13704	4018	
15:26	ZZZZZZ	1892	56708	13716	3838	
15:32	ZZZZZZ	1868	55166	13483	3624	
15:38	ZZZZZZ	1800	52878	13329	3463	
15:44	ZZZZZZ	1562	45944	12686	2907	!
15:50	ZZZZZZ	1573	45988	12674	2927	!
15:56	MA34195-CCV5	1844	54872	13130	3625	
16:02	MA34195-CCB6	1956	58477	13395	4103	
16:09	ZZZZZZ	1554	45524	12620	2890	!
16:15	ZZZZZZ	1568	45990	12520	2929	!
16:21	ZZZZZZ	1946	57562	14085	3562	

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34195
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:27	ZZZZZZ	2028	60768	14450	3851
16:33	ZZZZZZ	1879	56579	13345	3862
16:39	ZZZZZZ	1898	57040	13554	3840
16:45	ZZZZZZ	1824	54424	13116	3614
16:51	ZZZZZZ	1844	54918	13348	3563
16:57	ZZZZZZ	1869	55852	13566	3675
17:03	MA34195-CCV6	1864	54131	12952	3652
17:09	MA34195-CCB7	1991	59402	13489	4160
17:15	MA34195-CRI2	1930	57434	13217	3974
17:22	MA34195-CRID3	1955	58468	13395	4078
17:28	MA34195-CRIA2	1975	58842	13343	4120
17:34	MA34195-ICSA2	1700	49988	12303	3182
17:40	MA34195-ICSAB2	1692	49954	12334	3180
17:46	MA34195-CCV7	1843	54378	12802	3608
17:54	MA34195-CCV8	1858	54610	12785	3634
17:59	MA34195-CCB8	1973	58655	13223	4113
18:07	ZZZZZZ	1948	58370	13168	4080

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34195 Units: ug/l

Time: / Sample ID:			10:04 ICB1		10:27 CCB1		11:27 CCB2		12:41 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	21	anr							
Antimony	6.0	1.1	anr							
Arsenic	3.0	1.3	anr							
Barium	200	.6	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2								
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	11	anr							
Chromium	10	.5	anr							
Cobalt	50	.3	anr							
Copper	10	.5	anr							
Iron	100	12	2.5	<100	2.7	<100	0.70	<100	2.9	<100
Lead	3.0	1.4	anr							
Lithium	20	2.1								
Magnesium	5000	110	anr							
Manganese	15	.1	anr							
Molybdenum	20	.3	anr							
Nickel	10	.5	anr							
Palladium	50	2.2								
Potassium	10000	44	anr							
Selenium	10	1.7	anr							
Silicon	200	4.9								
Silver	10	.5	anr							
Sodium	10000	12	anr							
Sulfur	50	4.9								
Strontium	10	.3								
Thallium	2.0	1.8	anr							
Tin	10	1								
Titanium	10	.6								
Tungsten	50	2.9								
Vanadium	50	.6	anr							
Zinc	20	2.7	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34195 Units: ug/l

Time: / Sample ID:			10:04 ICB1		10:27 CCB1		11:27 CCB2		12:41 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.2								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34195 Units: ug/l

Time: / Sample ID:			13:48 CCB4		14:55 CCB5		16:02 CCB6		17:09 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	21	anr							
Antimony	6.0	1.1	anr							
Arsenic	3.0	1.3	anr							
Barium	200	.6	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2								
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	11	anr							
Chromium	10	.5	anr							
Cobalt	50	.3	anr							
Copper	10	.5	anr							
Iron	100	12	7.9	<100	1.7	<100	3.9	<100	6.8	<100
Lead	3.0	1.4	anr							
Lithium	20	2.1								
Magnesium	5000	110	anr							
Manganese	15	.1	anr							
Molybdenum	20	.3	anr							
Nickel	10	.5	anr							
Palladium	50	2.2								
Potassium	10000	44	anr							
Selenium	10	1.7	anr							
Silicon	200	4.9								
Silver	10	.5	anr							
Sodium	10000	12	anr							
Sulfur	50	4.9								
Strontium	10	.3								
Thallium	2.0	1.8	anr							
Tin	10	1								
Titanium	10	.6								
Tungsten	50	2.9								
Vanadium	50	.6	anr							
Zinc	20	2.7	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34195 Units: ug/l

Time:			13:48		14:55		16:02		17:09	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.2								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34195 Units: ug/l

Time:			17:59	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	21	anr	
Antimony	6.0	1.1	anr	
Arsenic	3.0	1.3	anr	
Barium	200	.6	anr	
Beryllium	1.0	.2	anr	
Bismuth	20	2		
Boron	100	1		
Cadmium	3.0	.3	anr	
Calcium	5000	11	anr	
Chromium	10	.5	anr	
Cobalt	50	.3	anr	
Copper	10	.5	anr	
Iron	100	12	4.8	<100
Lead	3.0	1.4	anr	
Lithium	20	2.1		
Magnesium	5000	110	anr	
Manganese	15	.1	anr	
Molybdenum	20	.3	anr	
Nickel	10	.5	anr	
Palladium	50	2.2		
Potassium	10000	44	anr	
Selenium	10	1.7	anr	
Silicon	200	4.9		
Silver	10	.5	anr	
Sodium	10000	12	anr	
Sulfur	50	4.9		
Strontium	10	.3		
Thallium	2.0	1.8	anr	
Tin	10	1		
Titanium	10	.6		
Tungsten	50	2.9		
Vanadium	50	.6	anr	
Zinc	20	2.7	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34195 Units: ug/l

Time:			17:59	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zirconium	10	.2		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		10:09	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	40300	100.8
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		10:09	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		09:45			11:21			12:35	
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40600	101.5	40000	40600	101.5	40000	41000	102.5
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		09:45			11:21			12:35	
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		13:42			14:49			15:56	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40300	100.8	40000	39600	99.0	40000	40800	102.0
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		13:42			14:49			15:56	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		17:03			17:46			17:54	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	41100	102.8	40000	40900	102.3
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34195 Units: ug/l

Time:		17:03			17:46			17:54	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34195 Units: ug/l

Time:				10:32		10:44		10:50	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000		1000	anr					
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		111	111.0	530	106.0		
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34195 Units: ug/l

Time:				10:32		10:44		10:50	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34195 Units: ug/l

Time:				17:15		17:22		17:28	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000		1000	anr					
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		112	112.0			530	106.0
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34195 Units: ug/l

Time:				17:15		17:22		17:28	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34195 Units: ug/l

Time:			10:57		11:03		17:34		17:40	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	502000	100.4	508000	101.6	519000	103.8	525000	105.0
Antimony		1000	8.1		1060	106.0	10.4		1080	108.0
Arsenic		1000	-0.80		1070	107.0	-2.5		1110	111.0
Barium		500	-1.3		515	103.0	-1.1		539	107.8
Beryllium		500	0.0		500	100.0	0.0		512	102.4
Bismuth		500	-13		510	102.0	-13		515	103.0
Boron			-1.2		2.1		-2.2		1.3	
Cadmium		1000	0.70		1030	103.0	0.90		1050	105.0
Calcium	400000	400000	389000	97.3	388000	97.0	398000	99.5	396000	99.0
Chromium		500	1.6		476	95.2	0.70		499	99.8
Cobalt		500	0.90		487	97.4	0.60		501	100.2
Copper		500	3.9		527	105.4	3.0		540	108.0
Iron	200000	200000	191000	95.5	194000	97.0	192000	96.0	195000	97.5
Lead		1000	2.9		965	96.5	3.7		1010	101.0
Lithium		500	4.4		547	109.4	4.2		565	113.0
Magnesium	500000	500000	527000	105.4	525000	105.0	542000	108.4	536000	107.2
Manganese		500	14.5		499	99.8	13.3		523	104.6
Molybdenum		500	-0.90		499	99.8	-1.2		508	101.6
Nickel		1000	-1.9		971	97.1	-1.2		1010	101.0
Palladium		500	1.4		549	109.8	-1.9		565	113.0
Potassium			257		232		298		279	
Selenium		1000	6.3		1050	105.0	4.7		1090	109.0
Silicon			-6.0		-2.1		-3.6		-2.6	
Silver		1000	9.3		1020	102.0	3.5		1040	104.0
Sodium			30.7		28.3		252		205	
Sulfur		500	-32		456	91.2	-35		480	96.0
Strontium			-4.8		-4.9		-4.8		-4.6	
Thallium		1000	-3.6		977	97.7	1.3		1000	100.0
Tin			-2.4		-2.2		-2.3		-2.6	
Titanium			1.0		0.80		0.90		0.70	
Tungsten		500	5.3		538	107.6	5.7		549	109.8
Vanadium		500	0.90		468	93.6	2.0		486	97.2
Zinc		1000	-0.10		960	96.0	0.0		1010	101.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34195 Units: ug/l

Time:			10:57		11:03		17:34		17:40	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	1.5		1.8	0.4*	0.70		1.0	0.2*

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:27	MA34208-STD1	1		STDA
10:33	MA34208-STD2	1		STDB
10:40	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:52	ZZZZZZ	1		
11:02	MA34208-ICV1	1		
11:16	MA34208-ICB1	1		
11:21	MA34208-ICCV1	1		
11:38	MA34208-CCB1	1		
11:45	MA34208-CRID1	1		See rerun.
11:53	ZZZZZZ	1		
12:00	MA34208-CRID2	1		
12:06	MA34208-CRI1	1		
12:12	MA34208-CRIA1	1		
12:18	MA34208-ICSA1	1		
12:25	MA34208-ICSAB1	1		
12:31	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:44	MA34208-CCV1	1		
12:50	MA34208-CCB2	1		
12:59	MA34208-CRID3	1		
13:05	MP79919-B1	1		
13:11	MP79934-S1	1		Na=500ppm, S=200ppm
13:18	MP79934-S2	1		Na=500ppm, S=200ppm
13:24	JB68735-18	1		(sample used for QC only; not part of login JB68318)
13:30	MP79934-SD1	5		Na=500ppm, S=200ppm
13:36	MP79933-S1	1		
13:42	MP79933-S2	1		
13:49	JB68735-6	1		(sample used for QC only; not part of login JB68318)
13:55	MP79933-SD1	5		
14:01	MA34208-CCV2	1		
14:16	MA34208-CCB3	1		
14:23	MP79946-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
14:30	MP79946-LC1	1		
14:36	MP79946-B1	1		
14:42	ZZZZZZ	1		
14:48	MP79891-MB1	1		
14:54	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:06	MP79934-MB1	1		
15:13	MP79934-MB2	1		
15:19	MA34208-CCV3	1		
15:25	MA34208-CCB4	1		
15:31	MP79934-MB3	1		Tl neg. Batch to reanalysis for Be, CCB out.
15:38	MP79934-LC1	1		
15:44	MP79934-LC2	1		
15:50	MP79934-LC3	1		
15:56	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:27	MA34208-CCV4	1		
16:33	MA34208-CCB5	1		
16:44	MA34208-CCV5	1		
16:50	MA34208-CCB6	1		
16:57	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:09	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:54	MA34208-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
18:00	MA34208-CCB7	1		
18:06	MP79933-MB1	1		
18:12	MP79933-MB2	1		
18:19	MP79933-MB3	1		
18:25	MP79933-LC1	1		
18:31	MP79933-LC2	1		
18:37	MP79933-LC3	1		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:02	MA34208-CCV7	1		
19:08	MA34208-CCB8	1		
19:14	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:58	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:11	MA34208-CCV8	1		
20:17	MA34208-CCB9	1		
20:23	MA34208-CRI2	1		
20:29	MA34208-CRID4	1		
20:36	MA34208-CRIA2	1		
20:42	MA34208-ICSA2	1		
20:48	MA34208-ICSAB2	1		
20:54	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:13	MA34208-CCV9	1		
21:19	MA34208-CCB10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
21:26	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:51	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:03	MP79946-S1	1		
22:09	MP79946-S2	1		
22:15	JB68291-1	1		(sample used for QC only; not part of login JB68318)
22:22	MA34208-CCV10	1		
22:28	MA34208-CCB11	1		
22:34	MP79946-SD1	5		
22:40	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:59	ZZZZZZ	1		
23:05	ZZZZZZ	1		
23:11	ZZZZZZ	1		
23:17	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:30	MA34208-CCV11	1		
23:36	MA34208-CCB12	1		
23:42	ZZZZZZ	1		
23:48	ZZZZZZ	1		
23:54	ZZZZZZ	1		
00:00	ZZZZZZ	1		
00:07	ZZZZZZ	1		
00:13	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:37	MA34208-CCV12	1		
00:43	MA34208-CCB13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
00:50	MP79919-MB1	1		
00:56	MP79919-LC1	1		
01:02	ZZZZZZ	1		
01:08	ZZZZZZ	1		
01:15	ZZZZZZ	1		
01:21	JB68318-6	1		
---------->	Last reportable sample/prep for job JB68318			
01:27	ZZZZZZ	1		
01:34	ZZZZZZ	1		
01:40	ZZZZZZ	1		
01:46	ZZZZZZ	1		
01:52	MA34208-CCV13	1		
01:58	MA34208-CCB14	1		
02:05	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:17	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:30	ZZZZZZ	1		
02:36	ZZZZZZ	1		
02:43	MP79945-MB1	1		Batch to reanalysis for Tl, CCB out.
02:49	MP79945-LC1	1		
02:55	MP79945-S1	1		
03:01	MP79945-S2	1		
03:07	MA34208-CCV14	1		
03:13	MA34208-CCB15	1		
03:20	JB68332-2FA	1		(sample used for QC only; not part of login JB68318)
03:26	MP79945-SD1	5		
03:32	ZZZZZZ	1		
03:39	ZZZZZZ	1		
03:45	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:03	ZZZZZZ	1		
04:10	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
04:16	ZZZZZZ	1		
04:22	MA34208-CCV15	1		
04:28	MA34208-CCB16	1		
04:34	MA34208-CRI3	1		
04:41	MA34208-CRID5	1		
04:47	MA34208-CRIA3	1		
04:53	ZZZZZZ	1		
05:00	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:19	ZZZZZZ	1		
05:25	MA34208-CCV16	1		Y3600 bad reading.
05:31	MA34208-CCB17	1		
---------->	Last reportable CCB for job JB68318			
05:37	ZZZZZZ	1		
05:43	ZZZZZZ	1		
05:50	ZZZZZZ	1		
05:56	ZZZZZZ	1		
06:02	ZZZZZZ	1		
06:09	ZZZZZZ	1		
06:15	MA34208-CCV17	1		
06:21	MA34208-CCB18	1		
06:27	ZZZZZZ	1		
06:34	ZZZZZZ	1		
06:40	ZZZZZZ	1		
06:46	MA34208-CCV18	1		
06:52	MA34208-CCB19	1		
06:59	MA34208-CRI4	1		
07:05	MA34208-CRID6	1		
07:11	MA34208-CRIA4	1		
07:17	MA34208-CCV19	1		
07:23	MA34208-CCB20	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:27	MA34208-STD1	2162 R	110850 R	15157 R	7114 R
10:33	MA34208-STD2	2013	101150	14865	6165
10:40	ZZZZZZ	2101	105780	14900	6462
10:46	ZZZZZZ	2162	110430	15392	7102
10:52	ZZZZZZ	2124	108220	14995	6886
11:02	MA34208-ICV1	2058	103450	15048	6344
11:16	MA34208-ICB1	2163	109070	15173	7103
11:21	MA34208-ICCV1	2083	104570	14958	6421
11:38	MA34208-CCB1	2175	110890	15214	7169
11:45	MA34208-CRID1	No results reported for the elements associated with this internal standard.			
11:53	ZZZZZZ	2146	110830	15292	7059
12:00	MA34208-CRID2	2160	109010	15153	7057
12:06	MA34208-CRI1	2130	107920	15122	6899
12:12	MA34208-CRIA1	2174	110680	15238	7127
12:18	MA34208-ICSA1	1907	95244	14466	5712
12:25	MA34208-ICSAB1	1883	95694	14711	5658
12:31	ZZZZZZ	2128	108530	15059	7100
12:37	ZZZZZZ	7962 !	337670 !	30990 !	24789 !
12:44	MA34208-CCV1	2061	104280	14852	6363
12:50	MA34208-CCB2	2162	109300	14989	7117
12:59	MA34208-CRID3	2163	110600	15101	7079
13:05	MP79919-B1	2095	107550	15175	6612
13:11	MP79934-S1	1903	96455	14623	5636
13:18	MP79934-S2	1912	97108	14808	5666
13:24	JB68735-18	1934	96453	14721	5704
13:30	MP79934-SD1	2093	104980	14958	6486
13:36	MP79933-S1	1957	98408	14807	5915
13:42	MP79933-S2	1971	99370	14709	5964
13:49	JB68735-6	1989	100110	14753	6072
13:55	MP79933-SD1	2101	105820	14994	6649
14:01	MA34208-CCV2	2083	104110	14842	6414
14:16	MA34208-CCB3	2182	111180	15111	7184
14:23	MP79946-MB1	2171	111780	15233	7168

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
14:30	MP79946-LC1	2162	108580	15546	6666
14:36	MP79946-B1	2107	108080	15091	6652
14:42	ZZZZZZ	2139	109020	15494	6470
14:48	MP79891-MB1	2170	111050	15194	7144
14:54	ZZZZZZ	2169	109400	15696	6497
15:00	ZZZZZZ	2127	108620	15225	6760
15:06	MP79934-MB1	2173	110960	15105	7129
15:13	MP79934-MB2	2167	111720	15121	7120
15:19	MA34208-CCV3	2096	105050	14951	6468
15:25	MA34208-CCB4	2185	112390	14951	7195
15:31	MP79934-MB3	2166	111090	15099	7125
15:38	MP79934-LC1	2141	109560	15077	6868
15:44	MP79934-LC2	2140	110900	15144	6884
15:50	MP79934-LC3	2132	108830	15013	6872
15:56	ZZZZZZ	2183	110370	15783	6604
16:02	ZZZZZZ	2011	101920	14855	6195
16:08	ZZZZZZ	2142	109400	15354	6500
16:14	ZZZZZZ	2047	103150	14848	6337
16:20	ZZZZZZ	2027	103190	14915	6386
16:27	MA34208-CCV4	2097	106530	14883	6482
16:33	MA34208-CCB5	2189	111910	15007	7201
16:44	MA34208-CCV5	2090	104880	14799	6452
16:50	MA34208-CCB6	2165	109820	14967	7144
16:57	ZZZZZZ	2000	100120	15081	5876
17:03	ZZZZZZ	1998	98774	14867	5835
17:09	ZZZZZZ	1973	97865	14767	5858
17:16	ZZZZZZ	2020	100470	14957	5939
17:22	ZZZZZZ	1998	101470	14776	6277
17:28	ZZZZZZ	2004	99024	15374	5642
17:35	ZZZZZZ	1965	96716	14689	5820
17:41	ZZZZZZ	1961	97706	14493	5787
17:47	ZZZZZZ	1962	97635	14642	5804
17:54	MA34208-CCV6	2104	104850	14807	6474

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
18:00	MA34208-CCB7	2188	112730	15019	7215
18:06	MP79933-MB1	2179	112400	15175	7171
18:12	MP79933-MB2	2162	111220	14985	7147
18:19	MP79933-MB3	2159	111180	14908	7117
18:25	MP79933-LC1	2154	110390	15061	6931
18:31	MP79933-LC2	2131	108940	14798	6893
18:37	MP79933-LC3	2134	109630	14816	6908
18:43	ZZZZZZ	2163	111630	15030	7033
18:49	ZZZZZZ	2063	104460	14819	6372
18:56	ZZZZZZ	2083	105080	14904	6443
19:02	MA34208-CCV7	2097	104710	14475	6464
19:08	MA34208-CCB8	2191	111650	14732	7194
19:14	ZZZZZZ	2059	104540	14778	6370
19:21	ZZZZZZ	2110	107060	14932	6645
19:27	ZZZZZZ	2029	102270	14712	6211
19:33	ZZZZZZ	2145	108680	14908	6851
19:39	ZZZZZZ	2056	103440	14562	6402
19:46	ZZZZZZ	2087	105230	14712	6545
19:52	ZZZZZZ	2064	104300	14846	6353
19:58	ZZZZZZ	2128	108370	14862	6812
20:04	ZZZZZZ	2023	102400	14673	6167
20:11	MA34208-CCV8	2100	106360	14633	6492
20:17	MA34208-CCB9	2179	112230	14792	7189
20:23	MA34208-CRI2	2158	109710	14682	7008
20:29	MA34208-CRID4	2174	111610	14737	7146
20:36	MA34208-CRIA2	2201	111530	14680	7245
20:42	MA34208-ICSA2	1915	95619	13989	5740
20:48	MA34208-ICSAB2	1907	95427	14028	5731
20:54	ZZZZZZ	2184	112190	14660	7200
21:01	ZZZZZZ	2183	112400	14529	7227
21:07	ZZZZZZ	2192	113310	14687	7238
21:13	MA34208-CCV9	2062	105530	14399	6367
21:19	MA34208-CCB10	2186	111790	14692	7188

10.4.1
10
1106 of 1411
ACCUTEST LABORATORIES
JB68318

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
21:26	ZZZZZZ	2099	106530	14699	6602
21:32	ZZZZZZ	2156	109730	14714	6993
21:38	ZZZZZZ	2068	105190	14577	6435
21:44	ZZZZZZ	2056	103020	14581	6313
21:51	ZZZZZZ	1983	100170	14449	6046
21:57	ZZZZZZ	2092	105470	14679	6568
22:03	MP79946-S1	2159	108500	14845	6687
22:09	MP79946-S2	2171	108280	14847	6709
22:15	JB68291-1	2199	111480	14883	6923
22:22	MA34208-CCV10	2101	104800	14421	6461
22:28	MA34208-CCB11	2204	111330	14700	7223
22:34	MP79946-SD1	2197	111770	14796	7114
22:40	ZZZZZZ	2204	110390	15191	6879
22:46	ZZZZZZ	2170	109000	15020	6740
22:52	ZZZZZZ	2216	111650	15379	6632
22:59	ZZZZZZ	2025	102930	14721	6030
23:05	ZZZZZZ	2041	102850	14598	5994
23:11	ZZZZZZ	2076	104700	14612	6196
23:17	ZZZZZZ	2215	111920	14840	7002
23:23	ZZZZZZ	2234	111140	14770	6999
23:30	MA34208-CCV11	2098	105500	14383	6477
23:36	MA34208-CCB12	2209	112180	14579	7249
23:42	ZZZZZZ	2244	112280	15516	6555
23:48	ZZZZZZ	2132	107050	14880	6701
23:54	ZZZZZZ	2246	112630	15505	6631
00:00	ZZZZZZ	2253	112560	15627	6660
00:07	ZZZZZZ	2276	114230	15305	6960
00:13	ZZZZZZ	2256	113450	15153	6963
00:19	ZZZZZZ	2260	114270	15200	6912
00:25	ZZZZZZ	2177	109400	14814	6859
00:31	ZZZZZZ	2197	110220	14852	6898
00:37	MA34208-CCV12	2107	105610	14402	6490
00:43	MA34208-CCB13	2205	111950	14492	7243

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
00:50	MP79919-MB1	2194	112600	14647	7228
00:56	MP79919-LC1	2160	109940	14545	6934
01:02	ZZZZZZ	2194	112650	14496	7223
01:08	ZZZZZZ	2194	112430	14528	7228
01:15	ZZZZZZ	2201	111840	14527	7254
01:21	JB68318-6	2191	112270	14589	7199
01:27	ZZZZZZ	2193	111900	14597	7207
01:34	ZZZZZZ	2204	112680	14659	7263
01:40	ZZZZZZ	2194	111760	14435	7206
01:46	ZZZZZZ	2186	112640	999999 !a	7185
01:52	MA34208-CCV13	2115	106210	14391	6517
01:58	MA34208-CCB14	2202	111780	14414	7237
02:05	ZZZZZZ	2213	111770	14644	7293
02:11	ZZZZZZ	2184	112560	14531	7208
02:17	ZZZZZZ	2187	112050	14617	7200
02:24	ZZZZZZ	2188	112270	14624	7205
02:30	ZZZZZZ	2211	112530	14583	7282
02:36	ZZZZZZ	2186	112110	14502	7213
02:43	MP79945-MB1	2198	112380	14550	7240
02:49	MP79945-LC1	2146	109710	14554	6906
02:55	MP79945-S1	1872	106600	15282	5902
03:01	MP79945-S2	1889	107290	15400	5949
03:07	MA34208-CCV14	2103	105480	14376	6487
03:13	MA34208-CCB15	2198	112460	14475	7233
03:20	JB68332-2FA	1904	107800	15338	6025
03:26	MP79945-SD1	2107	109840	15237	6714
03:32	ZZZZZZ	1926	96692	14035	5753
03:39	ZZZZZZ	2057	104350	14376	6380
03:45	ZZZZZZ	1992	100980	14222	6085
03:51	ZZZZZZ	2057	104750	14350	6411
03:57	ZZZZZZ	2082	105840	14360	6568
04:03	ZZZZZZ	2085	107180	14173	6582
04:10	ZZZZZZ	2059	104410	14266	6484

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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
04:16	ZZZZZZ	1959	98490	14107	5882
04:22	MA34208-CCV15	2103	105380	14268	6489
04:28	MA34208-CCB16	2199	112070	14431	7245
04:34	MA34208-CRI3	2182	110270	14309	7074
04:41	MA34208-CRID5	2171	111590	14417	7102
04:47	MA34208-CRIA3	2206	111790	14925	7237
04:53	ZZZZZZ	2209	112270	14424	7252
05:00	ZZZZZZ	2219	112210	14444	7264
05:06	ZZZZZZ	2204	112390	14391	7223
05:12	ZZZZZZ	2199	112470	14367	7221
05:19	ZZZZZZ	2159	112140	14339	7234
05:25	MA34208-CCV16	2107	999999 !a	14169	6496
05:31	MA34208-CCB17	2208	112150	14360	7258
05:37	ZZZZZZ	1998	100350	14470	6110
05:43	ZZZZZZ	2213	112520	14790	7272
05:50	ZZZZZZ	2030	102160	14157	6234
05:56	ZZZZZZ	1986	102330	14185	6209
06:02	ZZZZZZ	1460 !a	106470	15210	5877
06:09	ZZZZZZ	1280 !a	105030	15247	5805
06:15	MA34208-CCV17	2133	106550	14201	6576
06:21	MA34208-CCB18	2226	112410	14427	7307
06:27	ZZZZZZ	1894	102820	14381	6140
06:34	ZZZZZZ	1525	99097	14314	5735
06:40	ZZZZZZ	1918	100030	14692	5641
06:46	MA34208-CCV18	2121	106260	14184	6555
06:52	MA34208-CCB19	2220	112630	14458	7302
06:59	MA34208-CRI4	2196	111130	14358	7118
07:05	MA34208-CRID6	2211	111310	14395	7224
07:11	MA34208-CRIA4	2236	112560	14492	7324
07:17	MA34208-CCV19	2123	105070	14173	6539
07:23	MA34208-CCB20	2217	112900	14434	7334

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
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

Istd#4	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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			11:16 ICB1		11:38 CCB1		12:50 CCB2		14:16 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	3.5	<200	18.8	<200	5.2	<200	14.6	<200
Antimony	6.0	.8	-0.40	<6.0	-0.30	<6.0	-0.90	<6.0	0.40	<6.0
Arsenic	3.0	.8	1.8	<3.0	1.5	<3.0	0.50	<3.0	0.80	<3.0
Barium	200	.3	0.40	<200	1.1	<200	0.50	<200	0.90	<200
Beryllium	1.0	.09	0.20	<1.0	0.90	<1.0	0.40	<1.0	0.80	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	0.0	<3.0	0.30	<3.0	0.40	<3.0	0.50	<3.0
Calcium	5000	8.7	6.0	<5000	18.8	<5000	6.1	<5000	15.5	<5000
Chromium	10	.3	0.10	<10	0.60	<10	0.40	<10	1.0	<10
Cobalt	50	.3	0.40	<50	0.30	<50	0.30	<50	0.70	<50
Copper	10	2.2	0.10	<10	0.60	<10	0.40	<10	1.1	<10
Iron	100	5.5	5.8	<100	19.1	<100	9.1	<100	17.8	<100
Lead	3.0	.9	-0.30	<3.0	-0.10	<3.0	0.30	<3.0	-0.20	<3.0
Lithium	20	1								
Magnesium	5000	19	22.7	<5000	49.0	<5000	27.0	<5000	42.5	<5000
Manganese	15	.2	0.10	<15	0.60	<15	0.40	<15	1.1	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.20	<10	0.30	<10	0.40	<10	0.70	<10
Palladium	50	1.7								
Potassium	10000	37	40.4	<10000	42.8	<10000	30.5	<10000	75.4	<10000
Selenium	10	1.7	-0.60	<10	1.4	<10	0.50	<10	4.1	<10
Silicon	200	5.4								
Silver	10	.3	0.10	<10	-0.10	<10	0.10	<10	0.0	<10
Sodium	10000	6.1	5.4	<10000	13.5	<10000	4.3	<10000	35.0	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	-0.70	<2.0	-0.30	<2.0	0.40	<2.0	1.2	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.20	<50	0.70	<50	0.50	<50	1.1	<50
Zinc	20	.4	0.40	<20	0.60	<20	0.20	<20	0.80	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			11:16 ICB1		11:38 CCB1		12:50 CCB2		14:16 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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			15:25 CCB4		16:33 CCB5		16:50 CCB6		18:00 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	9.4	<200	23.7	<200	12.7	<200	8.4	<200
Antimony	6.0	.8	0.10	<6.0	0.40	<6.0	-0.50	<6.0	0.40	<6.0
Arsenic	3.0	.8	1.2	<3.0	1.5	<3.0	1.5	<3.0	2.0	<3.0
Barium	200	.3	0.60	<200	1.3	<200	1.0	<200	0.70	<200
Beryllium	1.0	.09	0.30	<1.0	1.1	* (a)	0.90	<1.0	0.70	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	0.50	<3.0	0.40	<3.0	0.20	<3.0	0.50	<3.0
Calcium	5000	8.7	6.2	<5000	23.6	<5000	16.3	<5000	12.6	<5000
Chromium	10	.3	0.70	<10	1.0	<10	0.80	<10	0.80	<10
Cobalt	50	.3	0.90	<50	0.80	<50	0.60	<50	0.60	<50
Copper	10	2.2	0.40	<10	0.90	<10	0.90	<10	0.50	<10
Iron	100	5.5	10.5	<100	28.6	<100	17.5	<100	15.0	<100
Lead	3.0	.9	0.30	<3.0	0.70	<3.0	0.40	<3.0	0.20	<3.0
Lithium	20	1								
Magnesium	5000	19	33.7	<5000	36.8	<5000	38.9	<5000	23.4	<5000
Manganese	15	.2	0.60	<15	1.0	<15	0.80	<15	0.80	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.50	<10	0.60	<10	0.30	<10	0.70	<10
Palladium	50	1.7								
Potassium	10000	37	45.5	<10000	70.9	<10000	64.0	<10000	56.0	<10000
Selenium	10	1.7	2.5	<10	3.0	<10	-0.40	<10	1.4	<10
Silicon	200	5.4								
Silver	10	.3	-0.20	<10	-0.10	<10	0.0	<10	0.20	<10
Sodium	10000	6.1	8.3	<10000	41.6	<10000	24.2	<10000	128	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.10	<2.0	0.20	<2.0	-0.50	<2.0	1.2	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.60	<50	1.2	<50	1.0	<50	0.90	<50
Zinc	20	.4	0.70	<20	0.70	<20	0.60	<20	1.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			15:25		16:33		16:50		18:00	
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
(a) No AQ samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			19:08 CCB8		20:17 CCB9		21:19 CCB10		22:28 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	5.7	<200	1.7	<200	1.9	<200	9.3	<200
Antimony	6.0	.8	1.3	<6.0	1.1	<6.0	-0.10	<6.0	0.50	<6.0
Arsenic	3.0	.8	0.90	<3.0	1.4	<3.0	1.5	<3.0	0.80	<3.0
Barium	200	.3	0.60	<200	0.30	<200	0.50	<200	0.40	<200
Beryllium	1.0	.09	0.40	<1.0	0.20	<1.0	0.30	<1.0	0.20	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	0.70	<3.0	0.80	<3.0	0.30	<3.0	0.30	<3.0
Calcium	5000	8.7	8.4	<5000	6.1	<5000	3.1	<5000	-1.4	<5000
Chromium	10	.3	0.70	<10	0.50	<10	0.40	<10	0.50	<10
Cobalt	50	.3	0.80	<50	0.80	<50	0.60	<50	0.50	<50
Copper	10	2.2	0.50	<10	0.20	<10	0.20	<10	0.20	<10
Iron	100	5.5	10.6	<100	7.2	<100	11.3	<100	6.5	<100
Lead	3.0	.9	0.70	<3.0	0.60	<3.0	-0.40	<3.0	-0.40	<3.0
Lithium	20	1								
Magnesium	5000	19	23.2	<5000	18.9	<5000	12.8	<5000	25.0	<5000
Manganese	15	.2	0.70	<15	0.40	<15	0.30	<15	0.40	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.70	<10	0.90	<10	0.30	<10	0.30	<10
Palladium	50	1.7								
Potassium	10000	37	54.6	<10000	32.0	<10000	31.4	<10000	35.7	<10000
Selenium	10	1.7	2.9	<10	2.9	<10	-0.20	<10	0.50	<10
Silicon	200	5.4								
Silver	10	.3	-0.10	<10	0.0	<10	-0.30	<10	0.20	<10
Sodium	10000	6.1	34.8	<10000	28.7	<10000	8.4	<10000	13.0	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	1.1	<2.0	1.4	<2.0	0.30	<2.0	1.1	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.70	<50	0.60	<50	0.50	<50	0.60	<50
Zinc	20	.4	1.0	<20	1.0	<20	1.3	<20	0.40	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			19:08		20:17		21:19		22:28	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			23:36 CCB12		00:43 CCB13		01:58 CCB14		03:13 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	18.6	<200	13.2	<200	14.0	<200	17.8	<200
Antimony	6.0	.8	1.0	<6.0	0.70	<6.0	0.30	<6.0	0.50	<6.0
Arsenic	3.0	.8	1.5	<3.0	1.4	<3.0	1.6	<3.0	1.8	<3.0
Barium	200	.3	1.1	<200	0.80	<200	0.80	<200	0.90	<200
Beryllium	1.0	.09	0.80	<1.0	0.60	<1.0	0.60	<1.0	0.70	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	1.1	<3.0	0.90	<3.0	0.90	<3.0	0.80	<3.0
Calcium	5000	8.7	21.1	<5000	11.1	<5000	11.8	<5000	17.2	<5000
Chromium	10	.3	0.90	<10	0.90	<10	0.80	<10	1.7	<10
Cobalt	50	.3	1.1	<50	0.90	<50	0.90	<50	1.3	<50
Copper	10	2.2	1.0	<10	0.70	<10	0.60	<10	0.90	<10
Iron	100	5.5	19.5	<100	16.8	<100	15.3	<100	19.8	<100
Lead	3.0	.9	1.1	<3.0	0.30	<3.0	0.70	<3.0	0.70	<3.0
Lithium	20	1								
Magnesium	5000	19	31.6	<5000	30.9	<5000	34.8	<5000	41.4	<5000
Manganese	15	.2	1.2	<15	0.80	<15	0.90	<15	0.90	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	1.1	<10	1.1	<10	0.90	<10	1.0	<10
Palladium	50	1.7								
Potassium	10000	37	58.4	<10000	73.6	<10000	46.1	<10000	60.3	<10000
Selenium	10	1.7	0.80	<10	0.50	<10	2.6	<10	1.9	<10
Silicon	200	5.4								
Silver	10	.3	0.10	<10	0.20	<10	-0.10	<10	-0.40	<10
Sodium	10000	6.1	20.9	<10000	8.1	<10000	2.5	<10000	34.8	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	3.2	* (a)	1.2	<2.0	0.50	<2.0	0.70	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	1.2	<50	1.0	<50	1.0	<50	1.0	<50
Zinc	20	.4	1.1	<20	0.90	<20	1.0	<20	1.2	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			23:36		00:43		01:58		03:13	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No AQ samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			04:28		05:31	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	5.9	14.5	<200	12.3	<200
Antimony	6.0	.8	0.10	<6.0	0.20	<6.0
Arsenic	3.0	.8	1.3	<3.0	2.2	<3.0
Barium	200	.3	0.90	<200	1.0	<200
Beryllium	1.0	.09	0.70	<1.0	0.70	<1.0
Bismuth	20	1.4				
Boron	100	.7	anr			
Cadmium	3.0	.2	0.60	<3.0	0.80	<3.0
Calcium	5000	8.7	13.9	<5000	17.4	<5000
Chromium	10	.3	1.0	<10	1.4	<10
Cobalt	50	.3	0.90	<50	1.1	<50
Copper	10	2.2	0.70	<10	0.80	<10
Iron	100	5.5	15.9	<100	16.0	<100
Lead	3.0	.9	1.3	<3.0	0.70	<3.0
Lithium	20	1				
Magnesium	5000	19	34.1	<5000	7.6	<5000
Manganese	15	.2	0.90	<15	1.2	<15
Molybdenum	20	.4	anr			
Nickel	10	.4	0.50	<10	0.70	<10
Palladium	50	1.7				
Potassium	10000	37	37.7	<10000	41.0	<10000
Selenium	10	1.7	2.1	<10	-0.40	<10
Silicon	200	5.4				
Silver	10	.3	0.10	<10	0.20	<10
Sodium	10000	6.1	21.5	<10000	18.0	<10000
Sulfur	50	4.3				
Strontium	10	.1				
Thallium	2.0	1.3	2.0	<2.0*(a)	1.6	<2.0
Tin	10	.6	anr			
Titanium	10	.3				
Tungsten	50	5.8				
Vanadium	50	.3	1.0	<50	1.2	<50
Zinc	20	.4	0.90	<20	0.90	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			04:28		05:31	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.3				

(*) Outside of QC limits
(anr) Analyte not requested
(a) No AQ samples reported for this element in the area bracketed by this QC.

10.4.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:21	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39800	99.5
Antimony	2000	2000	100.0
Arsenic	2000	1990	99.5
Barium	2000	2030	101.5
Beryllium	2000	2050	102.5
Bismuth			
Boron	anr		
Cadmium	2000	2020	101.0
Calcium	40000	40500	101.3
Chromium	2000	2020	101.0
Cobalt	2000	2020	101.0
Copper	2000	1990	99.5
Iron	40000	40700	101.8
Lead	2000	2040	102.0
Lithium			
Magnesium	40000	40000	100.0
Manganese	2000	2060	103.0
Molybdenum	anr		
Nickel	2000	2040	102.0
Palladium			
Potassium	40000	40000	100.0
Selenium	2000	2000	100.0
Silicon			
Silver	250	243	97.2
Sodium	40000	40000	100.0
Sulfur			
Strontium			
Thallium	2000	2050	102.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2010	100.5
Zinc	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:21	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:02			12:44			14:01	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	39600	99.0	40000	39900	99.8
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2020	101.0	2000	2030	101.5	2000	1990	99.5
Barium	2000	2030	101.5	2000	2050	102.5	2000	2030	101.5
Beryllium	2000	2050	102.5	2000	2050	102.5	2000	2030	101.5
Bismuth									
Boron	anr								
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2010	100.5
Calcium	40000	40200	100.5	40000	41200	103.0	40000	40000	100.0
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2020	101.0
Cobalt	2000	2050	102.5	2000	2040	102.0	2000	2010	100.5
Copper	2000	2030	101.5	2000	2000	100.0	2000	2020	101.0
Iron	40000	40600	101.5	40000	41100	102.8	40000	39800	99.5
Lead	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Lithium									
Magnesium	40000	39800	99.5	40000	40700	101.8	40000	39400	98.5
Manganese	2000	2080	104.0	2000	2080	104.0	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2070	103.5	2000	2040	102.0
Palladium									
Potassium	40000	40000	100.0	40000	40200	100.5	40000	40300	100.8
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2020	101.0
Silicon									
Silver	250	246	98.4	250	246	98.4	250	244	97.6
Sodium	40000	40200	100.5	40000	40100	100.3	40000	40300	100.8
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2110	105.5	2000	2060	103.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2050	102.5	2000	2010	100.5	2000	2050	102.5
Zinc	2000	2070	103.5	2000	2070	103.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:02			12:44			14:01	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		15:19			16:27			16:44	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39200	98.0	40000	39700	99.3
Antimony	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Barium	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Beryllium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Bismuth									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Calcium	40000	39900	99.8	40000	40000	100.0	40000	39900	99.8
Chromium	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Cobalt	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Copper	2000	2000	100.0	2000	1970	98.5	2000	2000	100.0
Iron	40000	39700	99.3	40000	39600	99.0	40000	39600	99.0
Lead	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Lithium									
Magnesium	40000	39200	98.0	40000	39300	98.3	40000	39200	98.0
Manganese	2000	2070	103.5	2000	2040	102.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Palladium									
Potassium	40000	40100	100.3	40000	39900	99.8	40000	40300	100.8
Selenium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Silicon									
Silver	250	243	97.2	250	241	96.4	250	243	97.2
Sodium	40000	40300	100.8	40000	39900	99.8	40000	40500	101.3
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2100	105.0	2000	2120	106.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2030	101.5	2000	1990	99.5	2000	2030	101.5
Zinc	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		15:19			16:27			16:44	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		17:54			19:02			20:11	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	40000	100.0	40000	39000	97.5
Antimony	2000	1990	99.5	2000	2000	100.0	2000	1990	99.5
Arsenic	2000	1970	98.5	2000	1990	99.5	2000	1990	99.5
Barium	2000	2020	101.0	2000	2050	102.5	2000	2020	101.0
Beryllium	2000	2010	100.5	2000	2030	101.5	2000	2000	100.0
Bismuth									
Boron	anr								
Cadmium	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Calcium	40000	39400	98.5	40000	40600	101.5	40000	40400	101.0
Chromium	2000	2010	100.5	2000	2040	102.0	2000	2040	102.0
Cobalt	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Copper	2000	2020	101.0	2000	2010	100.5	2000	1940	97.0
Iron	40000	39000	97.5	40000	39600	99.0	40000	39300	98.3
Lead	2000	2030	101.5	2000	2050	102.5	2000	2030	101.5
Lithium									
Magnesium	40000	38600	96.5	40000	39600	99.0	40000	39300	98.3
Manganese	2000	2060	103.0	2000	2070	103.5	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2030	101.5
Palladium									
Potassium	40000	40300	100.8	40000	40900	102.3	40000	40300	100.8
Selenium	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Silicon									
Silver	250	243	97.2	250	245	98.0	250	241	96.4
Sodium	40000	40200	100.5	40000	40900	102.3	40000	39900	99.8
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2080	104.0	2000	2070	103.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	2040	102.0	2000	1970	98.5
Zinc	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		17:54			19:02			20:11	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		21:13			22:22			23:30	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39900	99.8	40000	39600	99.0
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	2040	102.0	2000	2000	100.0	2000	2010	100.5
Barium	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Beryllium	2000	2010	100.5	2000	2020	101.0	2000	2010	100.5
Bismuth									
Boron	anr								
Cadmium	2000	2050	102.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40700	101.8	40000	40200	100.5	40000	40200	100.5
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Cobalt	2000	2050	102.5	2000	2030	101.5	2000	2030	101.5
Copper	2000	1980	99.0	2000	2010	100.5	2000	1980	99.0
Iron	40000	39400	98.5	40000	39200	98.0	40000	39100	97.8
Lead	2000	2080	104.0	2000	2050	102.5	2000	2050	102.5
Lithium									
Magnesium	40000	39600	99.0	40000	39200	98.0	40000	39200	98.0
Manganese	2000	2060	103.0	2000	2080	104.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2050	102.5	2000	2050	102.5
Palladium									
Potassium	40000	40800	102.0	40000	41100	102.8	40000	41000	102.5
Selenium	2000	2060	103.0	2000	2030	101.5	2000	2030	101.5
Silicon									
Silver	250	243	97.2	250	244	97.6	250	243	97.2
Sodium	40000	40400	101.0	40000	40800	102.0	40000	40600	101.5
Sulfur									
Strontium									
Thallium	2000	2130	106.5	2000	2120	106.0	2000	2120	106.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2040	102.0	2000	2010	100.5
Zinc	2000	2090	104.5	2000	2060	103.0	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		21:13			22:22			23:30	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		00:37			01:52			03:07	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39400	98.5	40000	39600	99.0
Antimony	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Barium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Bismuth									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Calcium	40000	40000	100.0	40000	40300	100.8	40000	40000	100.0
Chromium	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Cobalt	2000	2030	101.5	2000	2020	101.0	2000	2030	101.5
Copper	2000	2000	100.0	2000	1970	98.5	2000	1990	99.5
Iron	40000	38800	97.0	40000	39000	97.5	40000	38900	97.3
Lead	2000	2050	102.5	2000	2040	102.0	2000	2040	102.0
Lithium									
Magnesium	40000	39000	97.5	40000	39200	98.0	40000	38900	97.3
Manganese	2000	2070	103.5	2000	2050	102.5	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Palladium									
Potassium	40000	41000	102.5	40000	41000	102.5	40000	41000	102.5
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Silicon									
Silver	250	242	96.8	250	242	96.8	250	243	97.2
Sodium	40000	40500	101.3	40000	40300	100.8	40000	40400	101.0
Sulfur									
Strontium									
Thallium	2000	2110	105.5	2000	2100	105.0	2000	2110	105.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	1990	99.5	2000	2010	100.5
Zinc	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		00:37			01:52			03:07	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		04:22			05:25	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39700	99.3
Antimony	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	2040	102.0
Barium	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2010	100.5	2000	2010	100.5
Bismuth						
Boron	anr					
Cadmium	2000	2030	101.5	2000	2040	102.0
Calcium	40000	39900	99.8	40000	40300	100.8
Chromium	2000	2030	101.5	2000	2270	113.5*(a
Cobalt	2000	2030	101.5	2000	2050	102.5
Copper	2000	1980	99.0	2000	2210	110.5*(a
Iron	40000	38700	96.8	40000	38800	97.0
Lead	2000	2040	102.0	2000	2050	102.5
Lithium						
Magnesium	40000	38700	96.8	40000	39100	97.8
Manganese	2000	2060	103.0	2000	2300	115.0*(a
Molybdenum	anr					
Nickel	2000	2050	102.5	2000	2050	102.5
Palladium						
Potassium	40000	41200	103.0	40000	41200	103.0
Selenium	2000	2020	101.0	2000	2120	106.0
Silicon						
Silver	250	243	97.2	250	279	111.6*(a
Sodium	40000	40400	101.0	40000	40500	101.3
Sulfur						
Strontium						
Thallium	2000	2120	106.0	2000	2120	106.0
Tin	anr					
Titanium						
Tungsten						
Vanadium	2000	2010	100.5	2000	2220	111.0*(a
Zinc	2000	2060	103.0	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		04:22			05:25	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:00		12:06		12:12	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	101	101.0	199	99.5	489	97.8
Antimony	6.0	20	3.0	2.9	96.7	6.0	100.0	19.1	95.5
Arsenic	8.0	20	3.0	3.8	126.7	8.8	110.0	20.0	100.0
Barium	200		4.0	4.4	110.0	208	104.0		
Beryllium	2.0		1.0	1.0	100.0	2.2	110.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	0.90	90.0	3.3	110.0		
Calcium	5000		1000	1050	105.0	5040	100.8		
Chromium	10		2.0	1.9	95.0	11.0	110.0		
Cobalt	50		3.0	3.2	106.7	51.3	102.6		
Copper	10		2.0	2.1U	0.0* (a)	10.5	105.0		
Iron	100	500				113	113.0	520	104.0
Lead	3.0	20	2.5	2.3	92.0	2.9	96.7	21.0	105.0
Lithium	20								
Magnesium	5000		100	108	108.0	5090	101.8		
Manganese	15		3.0	3.4	113.3	16.6	110.7		
Molybdenum	20								
Nickel	10		4.0	4.4	110.0	10.6	106.0		
Palladium	50								
Potassium	5000		2000	2120	106.0	5200	104.0		
Selenium	10	20	5.0	7.4	148.0*(a	12.3	123.0	23.0	115.0
Silicon	200								
Silver	5.0		1.0	1.3	130.0	4.8	96.0		
Sodium	5000		1000	1040	104.0	5040	100.8		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	2.7	135.0*(a	8.1	81.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.1	105.0	53.8	107.6		
Zinc	20		10	13.0	130.0	23.6	118.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:00		12:06		12:12	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:59		20:23		20:29	
Sample ID:	CRI	CRIA	CRID	CRID3		CRI2		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	104	104.0	196	98.0	100	100.0
Antimony	6.0	20	3.0	2.6	86.7	5.7	95.0	1.5	50.0*(a)
Arsenic	8.0	20	3.0	3.1	103.3	9.2	115.0	3.6	120.0
Barium	200		4.0	4.2	105.0	209	104.5	4.2	105.0
Beryllium	2.0		1.0	1.2	120.0	2.3	115.0	1.0	100.0
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	1.0	100.0	3.4	113.3	1.0	100.0
Calcium	5000		1000	1060	106.0	5060	101.2	1050	105.0
Chromium	10		2.0	2.3	115.0	11.1	111.0	2.4	120.0
Cobalt	50		3.0	3.3	110.0	51.1	102.2	3.5	116.7
Copper	10		2.0	1.9U	0.0* (a)	10.5	105.0	1.9U	0.0* (a)
Iron	100	500				109	109.0		
Lead	3.0	20	2.5	2.9	116.0	3.6	120.0	3.2	128.0
Lithium	20								
Magnesium	5000		100	140	140.0*(a	5160	103.2	109	109.0
Manganese	15		3.0	3.4	113.3	16.5	110.0	3.3	110.0
Molybdenum	20								
Nickel	10		4.0	4.2	105.0	10.8	108.0	4.2	105.0
Palladium	50								
Potassium	5000		2000	2110	105.5	5290	105.8	2150	107.5
Selenium	10	20	5.0	8.8	176.0*(a	11.2	112.0	8.6	172.0*(a
Silicon	200								
Silver	5.0		1.0	1.0	100.0	4.9	98.0	1.2	120.0
Sodium	5000		1000	1030	103.0	5080	101.6	1050	105.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	1.5	75.0	7.6	76.0	2.5	125.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.2	110.0	53.2	106.4	2.1	105.0
Zinc	20		10	13.1	131.0*(a	23.5	117.5	13.4	134.0*(a

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:59		20:23		20:29	
Sample ID:	CRI	CRIA	CRID	CRID3		CRI2		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				20:36		04:34		04:41	
Sample ID:	CRI	CRIA	CRID	CRIA2		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	481	96.2	202	101.0	104	104.0
Antimony	6.0	20	3.0	19.0	95.0	5.9	98.3	3.1	103.3
Arsenic	8.0	20	3.0	20.6	103.0	8.5	106.3	3.8	126.7
Barium	200		4.0			207	103.5	4.3	107.5
Beryllium	2.0		1.0			2.2	110.0	1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0			3.3	110.0	1.1	110.0
Calcium	5000		1000			5050	101.0	1050	105.0
Chromium	10		2.0			11.3	113.0	2.4	120.0
Cobalt	50		3.0			51.5	103.0	3.5	116.7
Copper	10		2.0			10.4	104.0	2.0U	0.0* (a)
Iron	100	500		513	102.6	107	107.0		
Lead	3.0	20	2.5	20.6	103.0	3.3	110.0	3.2	128.0
Lithium	20								
Magnesium	5000		100			5140	102.8	131	131.0*(a
Manganese	15		3.0			16.6	110.7	3.4	113.3
Molybdenum	20								
Nickel	10		4.0			10.6	106.0	4.4	110.0
Palladium	50								
Potassium	5000		2000			5340	106.8	2180	109.0
Selenium	10	20	5.0	23.6	118.0	12.0	120.0	8.5	170.0*(a
Silicon	200								
Silver	5.0		1.0			5.2	104.0	1.0	100.0
Sodium	5000		1000			5070	101.4	1050	105.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0			8.7	87.0	1.7	85.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0			53.0	106.0	2.4	120.0
Zinc	20		10			23.5	117.5	13.6	136.0*(a

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				20:36		04:34		04:41	
Sample ID:	CRI	CRIA	CRID	CRIA2		CRI3		CRID5	
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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				04:47	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	469	93.8
Antimony	6.0	20	3.0	19.4	97.0
Arsenic	8.0	20	3.0	19.7	98.5
Barium	200		4.0		
Beryllium	2.0		1.0		
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0		
Calcium	5000		1000		
Chromium	10		2.0		
Cobalt	50		3.0		
Copper	10		2.0		
Iron	100	500		480	96.0
Lead	3.0	20	2.5	21.0	105.0
Lithium	20				
Magnesium	5000		100		
Manganese	15		3.0		
Molybdenum	20				
Nickel	10		4.0		
Palladium	50				
Potassium	5000		2000		
Selenium	10	20	5.0	25.1	125.5
Silicon	200				
Silver	5.0		1.0		
Sodium	5000		1000		
Sulfur	50				
Strontium	10				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0		
Zinc	20		10		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				04:47	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34208 Units: ug/l

Time:			12:18		12:25		20:42		20:48	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	494000	98.8	482000	96.4	489000	97.8	493000	98.6
Antimony		1000	-1.0		1050	105.0	-0.30		1040	104.0
Arsenic		1000	2.5		1090	109.0	1.4		1080	108.0
Barium		500	-0.60		493	98.6	-0.60		511	102.2
Beryllium		500	0.0		486	97.2	-0.10		494	98.8
Bismuth		500	2.2		523	104.6	1.5		520	104.0
Boron			-12		-12		-12		-13	
Cadmium		1000	1.0		1030	103.0	1.2		1030	103.0
Calcium	400000	400000	378000	94.5	371000	92.8	379000	94.8	377000	94.3
Chromium		500	-0.50		472	94.4	-0.60		480	96.0
Cobalt		500	3.5		485	97.0	3.0		483	96.6
Copper		500	-1.3		514	102.8	-1.7		518	103.6
Iron	200000	200000	189000	94.5	188000	94.0	184000	92.0	187000	93.5
Lead		1000	-5.0		948	94.8	-5.6		941	94.1
Lithium		500	5.0		531	106.2	5.6		557	111.4
Magnesium	500000	500000	525000	105.0	514000	102.8	521000	104.2	518000	103.6
Manganese		500	-1.2		498	99.6	-1.5		502	100.4
Molybdenum		500	-2.4		497	99.4	-1.9		492	98.4
Nickel		1000	-0.60		973	97.3	-0.50		965	96.5
Palladium		500	-17		556	111.2	-17		565	113.0
Potassium			31.5		7.8		14.6		-5.2	
Selenium		1000	8.3		1090	109.0	13.8		1090	109.0
Silicon			-4.6		-5.3		-4.2		-6.8	
Silver		1000	-4.5		1080	108.0	-5.6		1090	109.0
Sodium			12.2		1.5		33.9		16.9	
Sulfur		500	-43		452	90.4	-41		443	88.6
Strontium			-0.60		-0.80		-0.60		-0.60	
Thallium		1000	3.7		979	97.9	-2.3		960	96.0
Tin			8.1		6.2		6.3		5.8	
Titanium			2.4		5.6		2.0		5.8	
Tungsten		500	12.2		579	115.8	8.9		570	114.0
Vanadium		500	-1.9		465	93.0	-1.8		466	93.2
Zinc		1000	-0.20		966	96.6	-0.80		957	95.7

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34208 Units: ug/l

Time:			12:18		12:25		20:42		20:48	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500								

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34250
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:44	MA34250-STD1	1		STDA
15:45	MA34250-STD2	1		STDB
15:46	MA34250-STD3	1		STDC
15:48	MA34250-STD4	1		STDD
15:49	MA34250-STD5	1		STDE
15:50	MA34250-STD6	1		STDF
15:53	MA34250-ICV1	1		
15:55	MA34250-ICB1	1		
15:56	MA34250-ICCV1	1		
15:58	MA34250-CCB1	1		
15:59	MA34250-CRI1	1		
16:01	MP80081-MB1	1		
16:04	MP80081-S1	1		
16:05	MP80081-S2	1		
16:07	JB69116-1A	1		(sample used for QC only; not part of login JB68318)
16:08	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:14	MA34250-CCV1	1		
16:15	MA34250-CCB2	1		
16:16	MP80081-B1	1		
16:18	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:33	MA34250-CCV2	1		
16:34	MA34250-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34250
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:36	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:40	MP80082-MB1	1		
16:42	MP80082-S1	1		
16:44	MP80082-S2	1		
16:45	JB69164-1	1		(sample used for QC only; not part of login JB68318)
16:47	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:49	MA34250-CCV3	1		
16:51	MA34250-CCB4	1		
16:52	ZZZZZZ	1		
16:53	ZZZZZZ	1		
16:55	ZZZZZZ	1		
16:56	MP80083-MB1	1		
16:57	MP80083-B1	1		
17:00	MP80082-B1	1		
17:02	MP80083-S1	1		
17:03	MP80083-S2	1		
17:05	JB69187-13AB	1		(sample used for QC only; not part of login JB68318)
17:06	ZZZZZZ	1		
17:07	MA34250-CCV4	1		
17:09	MA34250-CCB5	1		
17:10	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:13	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:18	ZZZZZZ	1		
17:19	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34250
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:23	MA34250-CCV5	1		
17:25	MA34250-CCB6	1		
17:26	ZZZZZZ	1		
17:27	MP80084-MB1	1		
17:29	MP80084-B1	1		
17:35	MP80084-S1	1		
17:36	MP80084-S2	1		
17:38	JB69076-6AB	1		(sample used for QC only; not part of login JB68318)
17:39	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:43	MA34250-CCV6	1		
17:44	MA34250-CCB7	1		
17:46	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:55	ZZZZZZ	1		
17:57	ZZZZZZ	1		
18:00	MP80085-MB1	1		
18:01	MA34250-CCV7	1		
18:02	MA34250-CCB8	1		
18:04	MP80085-B1	1		
18:16	MA34250-CCV8	1		
18:18	MA34250-CCB9	1		
18:19	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:23	ZZZZZZ	1		
18:24	ZZZZZZ	1		
18:26	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34250
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:27	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:30	MP80085-MB1	1		
18:31	MA34250-CCV9	1		
18:32	MA34250-CCB10	1		
18:34	MP80085-B1	1		
18:40	MP80085-S1	1		
18:42	MP80085-S2	1		
18:43	JB68866-1	1		(sample used for QC only; not part of login JB68318)
18:45	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:47	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:50	MP80086-B1	1		
18:51	ZZZZZZ	1		
18:53	MA34250-CCV10	1		
18:54	MA34250-CCB11	1		
18:56	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:01	MP80086-MB1	1		
19:02	ZZZZZZ	1		
19:04	MP80086-S1	1		
19:05	MP80086-S2	1		
19:07	JB69249-1	1		(sample used for QC only; not part of login JB68318)
19:08	MA34250-CCV11	1		
19:10	MA34250-CCB12	1		
19:25	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:34	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34250
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:38	ZZZZZZ	1		
19:40	MA34250-CCV12	1		
19:41	MA34250-CCB13	1		
19:43	ZZZZZZ	1		
19:44	MA34250-CRI2	1		
19:45	ZZZZZZ	1		
19:56	MA34250-CCV13	1		
19:57	MA34250-CCB14	1		
19:59	MP80088-MB1	1		
20:00	MP80088-S1	1		
20:01	MP80088-S2	1		
20:03	MP80088-LC1	1		
20:05	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:16	MA34250-CRI3	1		
20:17	MA34250-CCV14	1		
20:18	MA34250-CCB15	1		
20:20	ZZZZZZ	1		
20:21	JB68389-3	1		(sample used for QC only; not part of login JB68318)
20:23	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:25	MA34250-CCV15	1		
20:27	MA34250-CCB16	1		
20:28	MP80089-MB1	1		
20:30	MP80089-LC1	1		
20:31	MP80089-S1	1		
20:33	MP80089-S2	1		
20:34	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:37	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34250
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:38	ZZZZZZ	1		
20:40	MA34250-CCV16	1		
20:41	MA34250-CCB17	1		
20:43	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:55	ZZZZZZ	1		
20:56	ZZZZZZ	1		
20:58	JB68261-1	1		(sample used for QC only; not part of login JB68318)
20:59	ZZZZZZ	1		
21:00	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:03	MA34250-CCV17	1		
21:04	MA34250-CCB18	1		
21:06	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:10	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:12	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:15	ZZZZZZ	1		
21:16	JB68318-6	1		
---------->	Last reportable sample/prep for job JB68318			
21:18	MA34250-CCV18	1		
21:19	MA34250-CCB19	1		
---------->	Last reportable CCB for job JB68318			
21:20	MP80090-MB1	1		
21:22	MP80090-S1	1		
21:23	MP80090-S2	1		
21:25	MP80090-LC1	1		
21:26	JB68363-1	1		(sample used for QC only; not part of login JB68318)
21:28	ZZZZZZ	1		
21:29	ZZZZZZ	1		
21:30	MA34250-CCV19	1		
21:32	MA34250-CCB20	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34250
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:33	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:37	ZZZZZZ	1		
21:39	ZZZZZZ	1		
21:40	ZZZZZZ	1		
21:41	ZZZZZZ	1		
21:42	MA34250-CCV20	1		
21:44	MA34250-CCB21	1		
21:45	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:49	MA34250-CCV21	1		
21:51	MA34250-CCB22	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34250 Units: ug/l

Time: / Sample ID:			15:55 ICB1		15:58 CCB1		16:15 CCB2		16:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.024	<0.20	-0.0056	<0.20	0.0043	<0.20	0.0033	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34250 Units: ug/l

Time: / Sample ID:			16:51 CCB4		17:09 CCB5		17:25 CCB6		17:44 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	0.010	<0.20	-0.0031	<0.20	-0.0059	<0.20	0.00050	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34250 Units: ug/l

Time: / Sample ID:			18:02 CCB8		18:18 CCB9		18:32 CCB10		18:54 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.0052	<0.20	0.00030	<0.20	-0.0031	<0.20	0.018	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34250 Units: ug/l

Time:			19:10		19:41		19:57		20:18	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	0.0084	<0.20	-0.0014	<0.20	0.012	<0.20	0.0035	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34250 Units: ug/l

Time: / Sample ID:			20:27 CCB16		20:41 CCB17		21:04 CCB18		21:19 CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	0.011	<0.20	0.015	<0.20	0.0084	<0.20	0.020	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 95 to 105 % Recovery Run ID: MA34250 Units: ug/l

Time:		15:56	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Mercury	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34250 Units: ug/l

Time:		15:53			16:14			16:33	
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	2.4	96.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.3 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34250 Units: ug/l

Time:		16:49			17:07			17:23	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.3	92.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34250 Units: ug/l

Time:		17:43			18:01			18:16	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.3	92.0	2.5	2.1	84.0*(a)	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

10.5.3 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34250 Units: ug/l

Time:		18:31			18:53			19:08	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.3	92.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.3 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34250 Units: ug/l

Time:		19:40			19:56			20:17	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.2	88.0*(a)	2.5	2.4	96.0	2.5	2.3	92.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34250 Units: ug/l

Time:		20:25			20:40			21:03	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.4	96.0	2.5	2.3	92.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34250 Units: ug/l

Time:		21:18	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Mercury	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061614W1.CSV Date Analyzed: 06/16/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA34250 Units: ug/l

Time:			15:59		19:44		20:16	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Mercury	0.20		0.22	110.0	0.20	100.0	0.15	75.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34252
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:01	MA34252-STD1	1		STDA
15:02	MA34252-STD2	1		STDB
15:04	MA34252-STD3	1		STDC
15:05	MA34252-STD4	1		STDD
15:07	MA34252-STD5	1		STDE
15:08	MA34252-STD6	1		STDF
15:18	MA34252-ICV1	1		
15:19	MA34252-ICB1	1		
15:20	MA34252-CCV1	1		
15:22	MA34252-CCB1	1		
15:23	MA34252-CRI1	1		
15:44	MP80065-MB1	1		
15:45	MP80065-LC1	2		
15:46	MP80065-S1	1		
15:48	MP80065-S2	1		
15:49	JB68943-15	1		(sample used for QC only; not part of login JB68318)
15:51	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:55	MA34252-CCV2	1		
15:56	MA34252-CCB2	1		
15:58	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:10	MA34252-CCV3	1		
16:11	MA34252-CCB3	1		
16:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34252
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:14	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:22	MP80066-MB1	1		
16:24	MP80066-LC1	2		
16:25	MA34252-CCV4	1		
16:26	MA34252-CCB4	1		
16:28	MP80066-S1	1		
16:29	MP80066-S2	1		
16:31	JB68291-2	1		(sample used for QC only; not part of login JB68318)
16:32	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:43	MA34252-CCV5	1		
16:44	MA34252-CCB5	1		
16:46	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:53	JB68318-1	1		
16:54	JB68318-2	1		
16:56	JB68318-3	1		
16:57	JB68318-4	1		
16:58	JB68318-5	1		
17:00	MA34252-CCV6	1		
17:01	MA34252-CCB6	1		
17:03	JB68318-8	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34252
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:04	JB68318-9	1		
17:05	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:22	ZZZZZZ	20		
17:24	ZZZZZZ	1		
17:25	ZZZZZZ	2		
17:27	JB68318-10	1		
---------->	Last reportable sample/prep for job JB68318			
17:29	MA34252-CCV7	1		
17:30	MA34252-CCB7	1		
17:33	MA34252-CRI2	1		
17:34	MA34252-CCV8	1		
17:36	MA34252-CCB8	1		
---------->	Last reportable CCB for job JB68318			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34252 Units: ug/l

Time: / Sample ID:			15:19 ICB1		15:22 CCB1		15:56 CCB2		16:11 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.00030	<0.20	0.015	<0.20	0.0028	<0.20	-0.0030	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34252 Units: ug/l

Time: / Sample ID:			16:26 CCB4		16:44 CCB5		17:01 CCB6		17:30 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	0.0080	<0.20	0.0042	<0.20	0.0062	<0.20	0.0049	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34252 Units: ug/l

Time:			17:36	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Mercury	0.20	.038	0.0094	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34252 Units: ug/l

Time:		15:18			15:20			15:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	2.5	2.6	104.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34252 Units: ug/l

Time:		16:10			16:25			16:43	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.6	104.0	2.5	2.6	104.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34252 Units: ug/l

Time:		17:00			17:29			17:34	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.6	104.0	2.5	2.6	104.0	2.5	2.7	108.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061614S1.CSV Date Analyzed: 06/16/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34252 Units: ug/l

Time:			15:23		17:33	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.21	105.0	0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/06/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	51	1.6	1.3	1.2	<51
Antimony	2.0	.16	.28	0.020	<2.0
Arsenic	2.0	.22	.3	-0.010	<2.0
Barium	20	.031	.082	0.031	<20
Beryllium	0.20	.01	.02	-0.010	<0.20
Bismuth	2.0	.14	.23		
Boron	10	.1	.18		
Cadmium	0.51	.031	.051	0.0	<0.51
Calcium	510	2.3	3.1	3.0	<510
Chromium	1.0	.082	.071	0.092	<1.0
Cobalt	5.1	.031	.061	-0.010	<5.1
Copper	2.6	.12	.15	-0.071	<2.6
Iron	51	.72	.98	2.8	<51
Lead	2.0	.18	.21	0.061	<2.0
Lithium	2.0	.082	.2		
Magnesium	510	3.5	3.4	1.3	<510
Manganese	1.5	.02	.061	0.031	<1.5
Molybdenum	2.0	.061	.071		
Nickel	4.1	.071	.1	0.77	<4.1
Palladium	5.1	.12	.27		
Potassium	1000	2.1	4.1	0.52	<1000
Selenium	2.0	.33	.34	0.031	<2.0
Silicon	20	.68	4		
Silver	0.51	.051	.14	-0.051	<0.51
Sodium	1000	1.8	1.9	4.7	<1000
Strontium	1.0	.02	.031		
Sulfur	5.1	1.3	1.1		
Thallium	1.0	.17	.42	0.092	<1.0
Tin	5.1	.13	1.3		
Titanium	1.0	.071	.1		
Tungsten	5.1	.87	4.5		
Vanadium	5.1	.051	.092	0.041	<5.1
Zinc	2.0	.35	.39	0.13	<2.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/06/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.051	.27		

Associated samples MP79902: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/06/14

Metal	JB68594-22A Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	5280	10600	5550	95.9	75-125
Antimony	0.0	64.5	103	62.8N(a)	75-125
Arsenic	1.8	384	411	93.0	75-125
Barium	24.5	417	411	95.5	75-125
Beryllium	0.27	10.1	10.3	95.7	75-125
Bismuth					
Boron					
Cadmium	0.17	9.7	10.3	92.8	75-125
Calcium	710	1990	1280	99.7	75-125
Chromium	6.5	46.5	41.1	97.3	75-125
Cobalt	3.3	102	103	96.1	75-125
Copper	8.9	56.5	51.4	92.7	75-125
Iron	10100	14100	5340	74.9N(a)	75-125
Lead	7.1	104	103	94.3	75-125
Lithium					
Magnesium	1750	2810	1280	82.5	75-125
Manganese	225	279	103	52.6N(a)	75-125
Molybdenum					
Nickel	10.1	110	103	97.2	75-125
Palladium					
Potassium	690	1910	1280	95.0	75-125
Selenium	0.0	388	411	94.4	75-125
Silicon					
Silver	0.26	10.5	10.3	99.7	75-125
Sodium	140	1460	1280	102.8	75-125
Strontium					
Sulfur					
Thallium	0.25	399	411	97.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium	10	104	103	91.5	75-125
Zinc	23.4	119	103	93.1	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/06/14

Metal	JB68594-22A Original MS	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP79902: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/06/14

Metal	JB68594-22A Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	5280	13100	5600	139.6N(a	21.1 (b)	20
Antimony	0.0	63.6	104	61.3N(a)	1.4	20
Arsenic	1.8	403	415	96.7	4.8	20
Barium	24.5	449	415	102.3	7.4	20
Beryllium	0.27	10.8	10.4	101.5	6.7	20
Bismuth						
Boron						
Cadmium	0.17	10.2	10.4	96.7	5.0	20
Calcium	710	2590	1300	145.0N(a	26.2 (b)	20
Chromium	6.5	51.3	41.5	108.0	9.8	20
Cobalt	3.3	109	104	101.9	6.6	20
Copper	8.9	61.3	51.9	101.0	8.1	20
Iron	10100	16700	5390	122.4	16.9	20
Lead	7.1	114	104	103.1	9.2	20
Lithium						
Magnesium	1750	3290	1300	118.8	15.7	20
Manganese	225	341	104	111.8	20.0	20
Molybdenum						
Nickel	10.1	121	104	106.9	9.5	20
Palladium						
Potassium	690	2150	1300	112.6	11.8	20
Selenium	0.0	407	415	98.1	4.8	20
Silicon						
Silver	0.26	11.1	10.4	104.5	5.6	20
Sodium	140	1580	1300	111.1	7.9	20
Strontium						
Sulfur						
Thallium	0.25	419	415	100.9	4.9	20
Tin						
Titanium						
Tungsten						
Vanadium	10	113	104	99.3	8.3	20
Zinc	23.4	132	104	104.7	10.4	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/06/14

Metal	JB68594-22A Original MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP79902: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/06/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	5320	5680	93.6	80-120
Antimony	95.4	105	90.6	80-120
Arsenic	397	421	94.3	80-120
Barium	405	421	96.2	80-120
Beryllium	10.1	10.5	95.9	80-120
Bismuth				
Boron				
Cadmium	9.3	10.5	88.3	80-120
Calcium	1230	1320	93.5	80-120
Chromium	40.1	42.1	95.2	80-120
Cobalt	102	105	96.9	80-120
Copper	47.9	52.6	91.0	80-120
Iron	4950	5470	90.4	80-120
Lead	105	105	99.7	80-120
Lithium				
Magnesium	1210	1320	92.0	80-120
Manganese	104	105	98.8	80-120
Molybdenum				
Nickel	109	105	103.6	80-120
Palladium				
Potassium	1290	1320	98.0	80-120
Selenium	398	421	94.5	80-120
Silicon				
Silver	10.3	10.5	97.8	80-120
Sodium	1360	1320	103.4	80-120
Strontium				
Sulfur				
Thallium	419	421	99.5	80-120
Tin				
Titanium				
Tungsten				
Vanadium	96.5	105	91.7	80-120
Zinc	102	105	96.9	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/06/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP79902: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/06/14

Metal	JB68594-22A Original	SDL 1:5	%DIF	QC Limits
Aluminum	48400	48600	0.4	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	16.5	17.1	3.6	0-10
Barium	225	227	1.0	0-10
Beryllium	2.50	2.70	8.0	0-10
Bismuth				
Boron				
Cadmium	1.60	0.00	100.0(a)	0-10
Calcium	6520	6840	4.9	0-10
Chromium	59.2	60.7	2.5	0-10
Cobalt	30.1	30.4	1.0	0-10
Copper	81.5	81.7	0.2	0-10
Iron	92900	97700	5.1	0-10
Lead	64.9	61.6	5.1	0-10
Lithium				
Magnesium	16100	16300	1.8	0-10
Manganese	2070	2150	3.8	0-10
Molybdenum				
Nickel	92.3	92.4	0.1	0-10
Palladium				
Potassium	6330	6470	2.1	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	2.40	3.50	45.8 (a)	0-10
Sodium	1290	1200	6.5	0-10
Strontium				
Sulfur				
Thallium	2.30	0.00	100.0(a)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	91.5	93.2	1.9	0-10
Zinc	215	256	19.3*(b)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79902
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/06/14

Metal	JB68594-22A Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP79902: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	5.9	11	-0.10	<200
Antimony	6.0	.8	2.6	0.10	<6.0
Arsenic	3.0	.8	2.6	0.20	<3.0
Barium	200	.3	1	0.10	<200
Beryllium	1.0	.09	.4	0.0	<1.0
Bismuth	20	1.4	2.4		
Boron	100	.7	4.9		
Cadmium	3.0	.2	.7	-0.10	<3.0
Calcium	5000	8.7	19	9.5	<5000
Chromium	10	.3	.89	0.20	<10
Cobalt	50	.3	.83	0.10	<50
Copper	10	2.2	1.2	0.0	<10
Iron	100	5.5	12	6.3	<100
Lead	3.0	.9	1.3	-0.10	<3.0
Lithium	20	1	2.8		
Magnesium	5000	19	41	31.9	<5000
Manganese	15	.2	.48	0.0	<15
Molybdenum	20	.4	1.1		
Nickel	10	.4	.75	-0.10	<10
Palladium	50	1.7	3.2		
Potassium	10000	37	50	43.1	<10000
Selenium	10	1.7	3.6	1.1	<10
Silicon	200	5.4	24		
Silver	10	.3	1.2	-0.10	<10
Sodium	10000	6.1	19	-8.9	<10000
Sulfur	50	4.3	10		
Strontium	10	.1	.76		
Thallium	2.0	1.3	1.8	0.0	<2.0
Tin	10	.6	3.6		
Titanium	10	.3	.93		
Tungsten	50	5.8	14		
Vanadium	50	.3	.87	0.10	<50
Zinc	20	.4	7.6	3.6	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.3	1.9		

Associated samples MP79919: JB68318-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/09/14				06/09/14	
Metal	BSP Result	Spikelot MPIOW9	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	1980	2000	99.0	80-120	4880	5000	97.6	80-120
Antimony	522	500	104.4	80-120	460	500	92.0	80-120
Arsenic	2090	2000	104.5	80-120	470	500	94.0	80-120
Barium	2060	2000	103.0	80-120	506	500	101.2	80-120
Beryllium	53.9	50	107.8	80-120	474	500	94.8	80-120
Bismuth								
Boron	anr							
Cadmium	50.5	50	101.0	80-120	471	500	94.2	80-120
Calcium	26000	25000	104.0	80-120	5520	5500	100.4	80-120
Chromium	212	200	106.0	80-120	484	500	96.8	80-120
Cobalt	510	500	102.0	80-120	460	500	92.0	80-120
Copper	247	250	98.8	80-120	452	500	90.4	80-120
Iron	1090	1000	109.0	80-120	5440	5500	98.9	80-120
Lead	527	500	105.4	80-120	479	500	95.8	80-120
Lithium								
Magnesium	26400	25000	105.6	80-120	5300	5500	96.4	80-120
Manganese	532	500	106.4	80-120	494	500	98.8	80-120
Molybdenum								
Nickel	525	500	105.0	80-120	476	500	95.2	80-120
Palladium								
Potassium	25700	25000	102.8	80-120	10200	10000	102.0	80-120
Selenium	2260	2000	113.0	80-120	507	500	101.4	80-120
Silicon								
Silver	52.3	50	104.6	80-120	197	200	98.5	80-120
Sodium	25600	25000	102.4	80-120	10100	10000	101.0	80-120
Sulfur								
Strontium								
Thallium	2230	2000	111.5	80-120	516	500	103.2	80-120
Tin	anr							
Titanium								
Tungsten								
Vanadium	498	500	99.6	80-120	462	500	92.4	80-120
Zinc	533	500	106.6	80-120	492	500	98.4	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		06/09/14				06/09/14		
Metal	BSP Result	Spikelot MPIOW9	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Zirconium								

Associated samples MP79919: JB68318-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80066 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/16/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0063	.0075	0.0042	<0.033

Associated samples MP80066: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80066
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/16/14

Metal	JB68291-2 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.048	0.40	0.353	99.8	75-125

Associated samples MP80066: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80066 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/16/14

Metal	JB68291-2 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.048	0.37	0.349	92.3	7.8	20

Associated samples MP80066: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80066
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/16/14

Metal	LCS Result	Spikelot HGLCS54082	% Rec	QC Limits
Mercury	5.5	5.76	95.5	71-129

Associated samples MP80066: JB68318-1, JB68318-2, JB68318-3, JB68318-4, JB68318-5, JB68318-8, JB68318-9, JB68318-10

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80089
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/16/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.031	.064	0.023	<0.20

Associated samples MP80089: JB68318-6

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80089
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/16/14

Metal	JB68261-1 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.073	2.0	2	96.4	75-125

Associated samples MP80089: JB68318-6

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80089 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/16/14

Metal	JB68261-1 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.073	2.0	2	96.4	0.0	20

Associated samples MP80089: JB68318-6

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: JB68318
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80089
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/16/14

Metal	LCS Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	1.9	2	95.0	80-120

Associated samples MP80089: JB68318-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG5 **Effective Date:** 03/17/14

Analyte	IDL ug/l
Mercury	.038

The above applies to the following instrument runs:
MA34252

Instrument Detection Limits

Job Number: JB68318
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:
MA34250

Instrument Detection Limits

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 03/13/14

Analyte	IDL ug/l
Aluminum	5.9
Antimony	.8
Arsenic	.8
Barium	.3
Beryllium	.09
Bismuth	1.4
Boron	.7
Cadmium	.2
Calcium	8.7
Chromium	.3
Cobalt	.3
Copper	2.2
Iron	5.5
Lead	.9
Lithium	1
Magnesium	18.5
Manganese	.2
Molybdenum	.4
Nickel	.4
Palladium	1.7
Potassium	36.9
Selenium	1.7
Silicon	5.4
Silver	.3
Sodium	6.1
Sulfur	4.3
Strontium	.1
Thallium	1.3
Tin	.6
Titanium	.3
Tungsten	5.8
Vanadium	.3
Zinc	.4
Zirconium	.3

The above applies to the following instrument runs:
MA34208

Instrument Detection Limits

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE3 **Effective Date:** 03/19/14

Analyte	IDL ug/l
Aluminum	15.5
Antimony	1.6
Arsenic	2.2
Barium	.3
Beryllium	.1
Bismuth	1.4
Boron	1
Cadmium	.3
Calcium	22.7
Chromium	.8
Cobalt	.3
Copper	1.2
Iron	7.1
Lead	1.8
Lithium	.8
Magnesium	34.4
Manganese	.2
Molybdenum	.6
Nickel	.7
Palladium	1.2
Potassium	20.7
Selenium	3.2
Silicon	6.7
Silver	.5
Sodium	17.5
Sulfur	12.7
Strontium	.2
Thallium	1.7
Tin	1.3
Titanium	.7
Tungsten	8.5
Vanadium	.5
Yttrium	5
Zinc	3.4
Zirconium	.5

The above applies to the following instrument runs:
MA34180,MA34186

Instrument Detection Limits

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE4 **Effective Date:** 03/24/14

Analyte	IDL ug/l
Aluminum	20.9
Antimony	1.1
Arsenic	1.3
Barium	.6
Beryllium	.2
Bismuth	2
Boron	1
Cadmium	.3
Calcium	10.7
Chromium	.5
Cobalt	.3
Copper	.5
Iron	11.5
Lead	1.4
Lithium	2.1
Magnesium	107.8
Manganese	.1
Molybdenum	.3
Nickel	.5
Palladium	2.2
Potassium	44.2
Selenium	1.7
Silicon	4.9
Silver	.5
Sodium	12
Sulfur	4.9
Strontium	.3
Thallium	1.8
Tin	1
Titanium	.6
Tungsten	2.9
Vanadium	.6
Zinc	2.7
Zirconium	.2

The above applies to the following instrument runs:
MA34195

Instrument Linear Ranges

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG5 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34252

Instrument Linear Ranges

Job Number: JB68318
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:
MA34250

Instrument Linear Ranges

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 01/29/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	25000
Arsenic	10000
Barium	50000
Beryllium	10000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	25000
Copper	50000
Iron	500000
Lead	25000
Lithium	50000
Magnesium	500000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	500000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	500000
Sulfur	100000
Strontium	25000
Thallium	25000
Tin	50000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34208

Instrument Linear Ranges

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE3 **Effective Date:** 01/28/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	500000
Lead	50000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Sulfur	100000
Strontium	25000
Thallium	50000
Tin	50000
Titanium	50000
Tungsten	25000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34180,MA34186

Instrument Linear Ranges

Job Number: JB68318
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:
MA34195

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/6/2014 9:56:45 Type: Cal
Method: Accutest1(v355) 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	**.0023**	**.0002**	**.0003**	**.0001**	**.0000**	**.0025**	**.0000**	**-.0003**	**-.0002**
Stddev	.0001	.0001	.0002	.0001	.0000	.0000	.0000	.0000	.0000
%RSD	2.383	52.94	48.48	68.35	339.6	.6539	103.7	2.021	16.85
#1	.0023	.0001	.0005	.0002	-.0000	.0025	.0001	-.0003	-.0003
#2	.0023	.0003	.0002	.0001	.0000	.0025	.0000	-.0003	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**.0003**	**.0002**	**-.0001**	**.0000**	**.0000**	**-.0001**	**-.0003**	**.0036**
Stddev	.0000	.0002	.0001	.0001	.0000	.0000	.0001	.0003	.0001
%RSD	88.10	59.68	55.11	116.2	1.289	5284.	207.1	95.41	3.497
#1	-.0000	.0004	.0001	-.0000	.0000	-.0000	.0000	-.0001	.0037
#2	-.0001	.0002	.0002	-.0002	.0000	.0000	-.0001	-.0005	.0036

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**	**-.0029**	**.0020**	**.0003**	**.0003**	**.0000**	**.0024**	**.0002**
Stddev	.0001	.0000	.0001	.0014	.0001	.0001	.0000	.0000	.0001
%RSD	67.62	43.90	3.996	71.20	34.41	40.24	386.7	.7798	69.12
#1	.0001	-.0000	-.0030	.0029	.0002	.0004	.0000	.0024	.0003
#2	.0002	-.0000	-.0028	.0010	.0004	.0002	-.0000	.0023	.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**	**.0023**	**-.0001**	**.0004**	**-.0001**	**.0009**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0001
%RSD	28.30	5.331	5.649	34.96	6.937	180.2	11.09
#1	-.0005	-.0001	.0024	-.0001	.0005	.0000	.0008
#2	-.0003	-.0001	.0023	-.0001	.0004	-.0001	.0010

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/6/2014 9:56:45 Type: Cal
Method: Accutest1(v355) 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	**68631.**	**8905.3**	**2531.2**	**3645.7**
Stddev	67.	30.4	18.8	24.1
%RSD	.09757	.34152	.74320	.66206
#1	68678.	8926.8	2517.9	3628.7
#2	68584.	8883.8	2544.5	3662.8

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/6/2014 10:02:47 Type: Cal
Method: Accutest1(v355) 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	**11.81**	**4.939**	**3.931**	**2.551**	**.3526**	**.8532**	**2.369**	**1.964**	**.0556**
Stddev	.05	.007	.022	.013	.0010	.0041	.003	.010	.0001
%RSD	.4488	.1417	.5660	.4947	.2831	.4788	.1125	.4890	.1654
#1	11.84	4.944	3.947	2.560	.3533	.8503	2.371	1.971	.0555
#2	11.77	4.934	3.915	2.543	.3519	.8561	2.368	1.958	.0557

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	**.6312**	**4.464**	**.4162**	**.2775**	**.7768**	**.3232**	**.6454**	**2.672**	**3.377**
Stddev	.0006	.023	.0021	.0020	.0039	.0019	.0035	.004	.002
%RSD	.0924	.5223	.5084	.7223	.5065	.5824	.5366	.1624	.0465
#1	.6316	4.481	.4177	.2789	.7796	.3245	.6479	2.675	3.376
#2	.6308	4.448	.4147	.2761	.7740	.3219	.6430	2.669	3.378

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.883**	**.2969**	**4.544**	**15.25**	**1.023**	**3.155**	**.1736**	**2.223**	**.7254**
Stddev	.003	.0009	.016	.06	.005	.016	.0010	.014	.0032
%RSD	.1332	.2969	.3484	.3655	.5166	.4994	.5509	.6272	.4432
#1	1.885	.2975	4.555	15.29	1.027	3.166	.1730	2.233	.7277
#2	1.881	.2963	4.533	15.21	1.020	3.144	.1743	2.214	.7232

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**15.70**	**.5725**	**1.091**	**1.504**	**.1929**	**.6742**	**5.716**
Stddev	.06	.0005	.005	.001	.0012	.0046	.023
%RSD	.3557	.0819	.4973	.0652	.6299	.6764	.4049
#1	15.74	.5729	1.087	1.504	.1938	.6774	5.732
#2	15.66	.5722	1.095	1.505	.1921	.6709	5.700

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/6/2014 10:02:47 Type: Cal
Method: Accutest1(v355) 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	**63918.**	**8606.3**	**2352.3**	**3287.2**
Stddev	255.	7.4	13.8	18.7
%RSD	.39952	.08619	.58763	.56841
#1	64098.	8601.0	2342.5	3274.0
#2	63737.	8611.5	2362.1	3300.4

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/6/2014 10:08:35 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.981**	**1.981**	**1.996**	**2.028**	**2.025**	**1.948**	**2.038**	**2.037**	**.2480**
Stddev	.020	.028	.045	.050	.004	.001	.001	.049	.0003
%RSD	1.020	1.423	2.269	2.440	.2103	.0233	.0695	2.410	.1247
#1	1.967	1.961	2.028	2.063	2.028	1.948	2.039	2.072	.2482
#2	1.995	2.000	1.964	1.993	2.022	1.948	2.037	2.002	.2478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.039**	**1.993**	**2.057**	**2.038**	**1.984**	**1.994**	**38.93**	**39.77**
Stddev	.003	.051	.044	.042	.051	.038	.044	.53	.69
%RSD	.1334	2.478	2.229	2.051	2.481	1.924	2.196	1.367	1.741
#1	2.021	2.075	2.025	2.087	2.074	2.011	2.025	38.55	39.28
#2	2.017	2.004	1.962	2.028	2.002	1.957	1.963	39.31	40.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.38**	**39.61**	**38.94**	**39.65**	**1.999**	**2.023**	**1.986**	**4.960**	**2.043**
Stddev	.64	.66	.49	.38	.046	.044	.007	.110	.047
%RSD	1.577	1.678	1.264	.9589	2.286	2.200	.3644	2.214	2.317
#1	39.93	39.14	38.59	39.38	2.031	2.055	1.991	5.037	2.077
#2	40.83	40.08	39.29	39.92	1.966	1.992	1.980	4.882	2.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/6/2014 10:08:35 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.985**	**2.001**	**2.093**	**2.033**	**1.959**	**2.016**	**1.955**
Stddev	.022	.002	.029	.002	.037	.045	.014
%RSD	1.091	.1141	1.392	.1027	1.881	2.235	.6887
#1	1.970	2.003	2.113	2.035	1.985	2.048	1.946
#2	2.001	2.000	2.072	2.032	1.933	1.984	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	**65536.**	**8780.8**	**2416.9**	**3397.5**
Stddev	47.	152.3	44.0	65.1
%RSD	.07237	1.7343	1.8192	1.9151
#1	65502.	8888.5	2385.8	3351.5
#2	65569.	8673.1	2448.0	3443.5

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/6/2014 10:14:25 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0002**	**.0001**	**-.0001**	**.0005**	**-.0000**	**-.0004**
Stddev	.0002	.0000	.0001	.0001	.0003	.0003	.0000	.0002
%RSD	278.1	35.46	57.21	93.67	259.6	59.20	137.5	45.28
#1	.0001	.0001	.0001	.0002	.0001	.0007	-.0000	-.0003
#2	-.0002	.0001	.0003	.0000	-.0003	.0003	-.0000	-.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	**-.0001**	**.0003**	**.0001**	**.0010**	**-.0006**	**-.0015**	F **-.0041**	**.0001**
Stddev	.0001	.0002	.0001	.0006	.0001	.0009	.0011	.0001
%RSD	86.44	73.19	88.55	61.88	23.00	57.54	26.68	69.26
#1	-.0001	.0004	.0002	.0015	-.0007	-.0009	-.0048	.0002
#2	-.0000	.0001	.0001	.0006	-.0005	-.0021	-.0033	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0036	
Low Limit							-.0036	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0044**	**.0011**	**.0036**	**.0013**	**.0395**	**.0117**	**.0009**	**.0016**
Stddev	.0067	.0023	.0014	.0356	.0028	.0019	.0003	.0001
%RSD	152.7	200.3	39.55	2797.	7.116	16.57	31.05	7.185
#1	.0003	-.0005	.0026	-.0239	.0375	.0103	.0007	.0016
#2	-.0091	.0028	.0046	.0264	.0414	.0131	.0011	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/6/2014 10:14:25 Type: QC
Method: Accutest1(v355) 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**	**.0004**	**.0005**	**-.0000**	**-.0000**	F **.0558**	F **.0023**	**-.0041**
Stddev	.0002	.0001	.0004	.0001	.0003	.0050	.0002	.0006
%RSD	23.33	28.53	76.50	1443.	945.0	8.957	6.831	14.80
#1	-.0009	.0003	.0008	.0001	.0002	.0593	.0024	-.0045
#2	-.0012	.0005	.0002	-.0001	-.0003	.0523	.0021	-.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0291	.0021	
Low Limit						-.0291	-.0021	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0029**	**.0002**
Stddev	.0012	.0008
%RSD	40.44	335.9
#1	.0037	.0008
#2	.0021	-.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	**67962.**	**8965.1**	**2506.5**	**3618.3**
Stddev	120.	149.5	8.9	9.0
%RSD	.17697	1.6676	.35337	.24923
#1	67877.	9070.8	2500.2	3611.9
#2	68047.	8859.4	2512.7	3624.6

Zoom In Zoom Out

Sample Name: icv Acquired: 6/6/2014 10:22:20 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**1.985**	**1.971**	**1.980**	**2.021**	**1.947**	**2.021**	**2.005**	**.2507**
Stddev	.016	.018	.020	.018	.005	.007	.007	.018	.0015
%RSD	.8179	.9253	1.001	.9043	.2433	.3425	.3591	.9024	.6146
#1	2.011	1.996	1.989	1.997	2.027	1.947	2.029	2.023	.2492
#2	1.980	1.964	1.976	1.982	2.017	1.940	2.018	2.007	.2507
#3	2.004	1.995	1.950	1.962	2.019	1.954	2.016	1.987	.2523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.931**	**2.022**	**1.997**	**2.013**	**1.999**	**1.945**	**1.956**	**39.14**	**39.96**
Stddev	.006	.015	.021	.020	.016	.025	.019	.35	.40
%RSD	.2928	.7268	1.073	.9755	.7965	1.291	.9503	.9066	.9892
#1	1.938	2.035	2.018	2.033	2.016	1.966	1.974	39.34	40.13
#2	1.927	2.026	1.998	2.012	1.998	1.951	1.958	38.73	39.50
#3	1.929	2.006	1.975	1.994	1.985	1.917	1.937	39.35	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	**41.37**	**40.79**	**40.42**	**40.28**	**1.978**	**1.935**	F **2.274**	**4.995**	**2.002**
Stddev	.48	.40	.31	.28	.020	.018	.012	.051	.019
%RSD	1.151	.9761	.7625	.6883	1.027	.9386	.5205	1.014	.9374
#1	41.64	40.89	40.63	40.49	1.998	1.951	2.274	5.039	2.020
#2	40.82	40.35	40.07	39.97	1.980	1.939	2.262	5.007	2.004
#3	41.65	41.13	40.57	40.38	1.957	1.915	2.285	4.940	1.983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							10.00%		

Zoom In Zoom Out

Sample Name: icv Acquired: 6/6/2014 10:22:20 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.976**	**2.017**	F **2.407**	**2.097**	**1.938**	**2.057**	F **2.232**
Stddev	.017	.008	.020	.004	.022	.020	.015
%RSD	.8548	.4031	.8433	.2016	1.122	.9878	.6910
#1	1.989	2.026	2.424	2.101	1.957	2.075	2.249
#2	1.957	2.012	2.412	2.093	1.942	2.060	2.219
#3	1.983	2.013	2.384	2.096	1.914	2.035	2.227
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value			2.000				2.000
Range			10.00%				10.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**65542.**	**8764.3**	**2423.1**	**3410.7**
Stddev	136.	103.4	18.6	24.1
%RSD	.20762	1.1799	.76595	.70580
#1	65389.	8782.3	2407.4	3388.3
#2	65648.	8857.5	2418.2	3407.6
#3	65589.	8653.1	2443.6	3436.2

Zoom In Zoom Out

Sample Name: icb Acquired: 6/6/2014 10:33:52 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0002**	**.0002**	**-.0000**	**-.0003**	**-.0001**
Stddev	.0001	.0000	.0001	.0002	.0001	.0005	.0000	.0003	.0001
%RSD	66.95	345.4	2499.	2083.	43.58	295.3	294.4	92.93	193.9
#1	-.0001	-.0000	-.0001	.0002	-.0003	-.0002	.0000	-.0005	-.0002
#2	-.0002	.0000	.0001	-.0002	-.0002	.0005	-.0000	-.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	**.0003**	**-.0001**	**.0006**	**-.0003**	**-.0013**	**-.0011**	**.0007**	**.0042**	**.0010**
Stddev	.0003	.0000	.0005	.0002	.0003	.0017	.0007	.0048	.0011
%RSD	74.53	27.10	83.76	69.91	21.22	153.9	97.63	114.9	103.3
#1	.0005	-.0001	.0002	-.0004	-.0011	.0001	.0002	.0008	.0018
#2	.0002	-.0001	.0009	-.0001	-.0015	-.0023	.0012	.0075	.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	**.0060**	**-.0146**	**.0295**	**.0039**	**.0005**	**.0005**	**.0003**	**-.0001**	**-.0003**
Stddev	.0002	.0339	.0138	.0014	.0003	.0002	.0009	.0002	.0003
%RSD	3.420	231.5	46.75	35.66	61.13	42.84	317.2	144.6	87.39
#1	.0059	-.0386	.0198	.0030	.0006	.0003	.0009	-.0003	-.0001
#2	.0062	.0093	.0393	.0049	.0003	.0006	-.0003	.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/6/2014 10:33:52 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0242**	**.0008**	**-.0032**	**.0021**	**-.0002**
Stddev	.0001	.0007	.0016	.0002	.0032	.0007	.0008
%RSD	962.2	243.1	6.551	24.85	98.66	31.65	455.6
#1	-.0000	.0002	.0253	.0010	-.0010	.0026	.0004
#2	.0000	-.0008	.0230	.0007	-.0055	.0016	-.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	**68706.**	**8747.5**	**2515.9**	**3635.1**
Stddev	1042.	58.8	.9	3.2
%RSD	1.5163	.67267	.03626	.08858
#1	69443.	8705.9	2516.6	3632.8
#2	67970.	8789.1	2515.3	3637.4

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/6/2014 10:40:50 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.006**	**2.003**	**2.035**	**2.033**	**1.953**	**2.046**	**2.039**	**.2496**
Stddev	.004	.004	.002	.001	.004	.006	.002	.002	.0012
%RSD	.2160	.1953	.0736	.0542	.1709	.2903	.1142	.0852	.4769
#1	2.010	2.006	2.003	2.034	2.037	1.950	2.049	2.037	.2497
#2	2.003	2.011	2.005	2.035	2.032	1.957	2.045	2.038	.2501
#3	2.000	2.001	2.003	2.036	2.029	1.946	2.046	2.041	.2479
#4	2.001	2.007	2.002	2.034	2.034	1.958	2.044	2.040	.2506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.052**	**1.991**	**2.061**	**2.041**	**1.978**	**1.994**	**39.30**	**40.40**
Stddev	.002	.003	.004	.000	.002	.004	.000	.04	.07
%RSD	.0880	.1342	.2109	.0197	.0980	.1894	.0212	.0950	.1783
#1	2.022	2.053	1.986	2.061	2.042	1.981	1.994	39.33	40.49
#2	2.020	2.049	1.994	2.061	2.042	1.979	1.995	39.33	40.36
#3	2.018	2.055	1.989	2.062	2.041	1.973	1.994	39.26	40.33
#4	2.019	2.051	1.996	2.061	2.038	1.979	1.994	39.28	40.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/6/2014 10:40:50 Type: QC
Method: Accutest1(v355) 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	**41.05**	**40.18**	**39.59**	**40.11**	**1.994**	**2.035**	**2.010**	**4.957**	**2.059**
Stddev	.04	.09	.09	.04	.002	.001	.008	.006	.002
%RSD	.0863	.2297	.2240	.0936	.0895	.0633	.4183	.1144	.1089
#1	41.08	40.12	39.69	40.15	1.994	2.034	2.004	4.949	2.060
#2	41.05	40.14	39.61	40.13	1.994	2.036	2.005	4.963	2.061
#3	41.00	40.31	39.57	40.08	1.991	2.035	2.008	4.957	2.059
#4	41.07	40.13	39.48	40.07	1.996	2.033	2.022	4.959	2.056
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	**2.008**	**2.004**	F **2.114**	**2.027**	**1.962**	**2.015**	**1.974**
Stddev	.004	.001	.029	.003	.003	.002	.004
%RSD	.1922	.0251	1.358	.1459	.1507	.0871	.1994
#1	2.014	2.004	2.080	2.030	1.963	2.013	1.976
#2	2.007	2.003	2.102	2.027	1.964	2.017	1.979
#3	2.007	2.004	2.129	2.023	1.964	2.014	1.970
#4	2.005	2.003	2.145	2.029	1.958	2.015	1.972
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			5.000%				

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/6/2014 10:40:50 Type: QC
Method: Accutest1(v355) 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	**65665.**	**8636.1**	**2421.4**	**3409.0**
Stddev	115.	31.9	1.9	1.3
%RSD	.17485	.36922	.07783	.03776
#1	65717.	8617.1	2420.5	3410.3
#2	65514.	8671.8	2419.4	3407.5
#3	65646.	8602.5	2423.8	3409.8
#4	65782.	8653.0	2421.7	3408.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 11:00:12 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0001**	**.0003**	**.0001**	**-.0001**	**.0003**	**-.0001**	**-.0002**
Stddev	.0000	.0000	.0001	.0001	.0000	.0002	.0000	.0001
%RSD	5.910	48.17	19.49	103.2	17.79	54.09	50.53	32.50
#1	-.0002	-.0001	.0003	.0000	-.0001	.0005	-.0001	-.0002
#2	-.0002	-.0000	.0002	.0002	-.0001	.0002	-.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0012**	**.0004**	**.0001**	**.0012**	**-.0002**	**-.0010**	**-.0013**	**.0007**
Stddev	.0002	.0001	.0000	.0005	.0008	.0004	.0004	.0002
%RSD	15.68	14.98	64.92	40.68	323.7	37.04	30.64	31.60
#1	-.0013	.0004	.0001	.0009	.0003	-.0013	-.0010	.0008
#2	-.0010	.0004	.0000	.0016	-.0008	-.0008	-.0015	.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0010							
Low Limit	-.0010							

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0039**	**.0027**	**-.0004**	**.0089**	**.0301**	**.0001**	**-.0000**	**.0009**
Stddev	.0085	.0011	.0023	.0176	.0166	.0031	.0001	.0000
%RSD	216.1	41.28	563.9	196.8	55.13	2730.	713.6	2.725
#1	-.0100	.0019	.0012	-.0035	.0184	-.0021	-.0001	.0009
#2	.0021	.0035	-.0021	.0213	.0419	.0023	.0001	.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: 6/6/2014 11:00:12 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**-.0002**	**.0005**	**.0000**	**-.0003**	F **.0406**	**.0017**	**-.0032**
Stddev	.0014	.0005	.0001	.0000	.0001	.0032	.0001	.0045
%RSD	78.29	190.1	31.52	7.189	44.85	8.000	7.804	142.2
#1	-.0008	.0001	.0006	.0000	-.0002	.0429	.0016	-.0064
#2	-.0027	-.0006	.0004	.0000	-.0004	.0383	.0017	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0291		
Low Limit						-.0291		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0011**	**-.0000**
Stddev	.0011	.0000
%RSD	103.2	241.1
#1	.0003	.0000
#2	.0019	-.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	**68784.**	**8800.1**	**2527.2**	**3640.5**
Stddev	1429.	94.3	5.0	5.0
%RSD	2.0774	1.0711	.19950	.13602
#1	69794.	8733.5	2523.6	3644.0
#2	67774.	8866.8	2530.7	3637.0

Zoom In Zoom Out

Sample Name: mp79865-mb1conf Acquired: 6/6/2014 11:05:29 Type: Unk
Method: Accutest1(v355) Mode: CONC 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**	**.0000**	**.0091**	**.0001**	**.0009**	**.0057**	**-.0004**
Stddev	.0001	.0000	.0002	.0001	.0003	.0003	.0000	.0003	.0006
%RSD	167.7	3.131	107.9	425.7	3.592	326.6	4.138	5.453	157.5
#1	.0001	.0001	.0004	.0001	.0089	-.0001	.0009	.0059	-.0008
#2	-.0000	.0001	.0001	-.0000	.0094	.0003	.0010	.0055	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0015**	**.0017**	**-.0008**	**-.0007**	**-.0017**	**.0001**	**.0006**	**.0141**
Stddev	.0001	.0000	.0013	.0003	.0003	.0007	.0004	.0115	.0033
%RSD	43.67	1.033	74.96	38.07	42.15	40.83	501.8	1832.	23.61
#1	-.0002	.0016	.0008	-.0010	-.0009	-.0012	-.0002	-.0075	.0118
#2	-.0001	.0015	.0026	-.0006	-.0005	-.0021	.0003	.0088	.0165

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0479**	**-.0461**	**.0394**	**-.0074**	**.0003**	**.0024**	**-.0014**	**.0087**	**.0001**
Stddev	.0005	.0141	.0080	.0037	.0009	.0001	.0001	.0004	.0005
%RSD	1.104	30.55	20.35	49.38	337.0	4.999	5.745	4.965	662.7
#1	.0476	-.0361	.0451	-.0048	.0009	.0024	-.0013	.0083	-.0003
#2	.0483	-.0560	.0337	-.0100	-.0004	.0023	-.0014	.0090	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**.0514**	**.0026**	**-.0019**	**.0012**	**.0010**
Stddev	.0000	.0002	.0035	.0001	.0014	.0010	.0004
%RSD	20.90	203.7	6.853	3.167	74.77	79.74	41.35
#1	.0000	.0000	.0539	.0026	-.0029	.0005	.0013
#2	.0000	-.0002	.0490	.0025	-.0009	.0019	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67674.**	**8816.0**	**2503.4**	**3598.1**
Stddev	514.	11.2	15.2	26.4
%RSD	.75897	.12729	.60748	.73467
#1	68037.	8824.0	2492.6	3579.4
#2	67311.	8808.1	2514.1	3616.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/6/2014 11:10:05 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2034**	**.0022**	**.0035**	**.0526**	**.0110**	**.0104**	**.0164**	**.0106**	**.0056**
Stddev	.0005	.0000	.0002	.0002	.0004	.0001	.0001	.0001	.0001
%RSD	.2465	.5334	4.580	.3655	3.995	.6922	.4114	1.183	.9858
#1	.2038	.0022	.0036	.0527	.0113	.0104	.0164	.0105	.0056
#2	.2031	.0022	.0034	.0525	.0107	.0105	.0163	.0107	.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	**.0531**	**.0243**	**.0094**	**.0109**	**.0024**	**.0085**	**.0052**	**.2120**	**5.341**
Stddev	.0003	.0002	.0002	.0002	.0005	.0002	.0009	.0112	.031
%RSD	.5358	.6621	2.538	1.643	21.34	1.881	17.12	5.287	.5733
#1	.0533	.0244	.0093	.0107	.0028	.0086	.0058	.2041	5.319
#2	.0529	.0242	.0096	.0110	.0020	.0084	.0046	.2199	5.362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1166**	**5.263**	**5.143**	**5.044**	**.1011**	**.0207**	**.0623**	**.2070**	**.0104**
Stddev	.0004	.024	.004	.004	.0001	.0002	.0016	.0011	.0000
%RSD	.3617	.4632	.0805	.0870	.0827	1.100	2.534	.5412	.2813
#1	.1163	5.281	5.146	5.047	.1010	.0209	.0612	.2062	.0105
#2	.1169	5.246	5.140	5.041	.1011	.0206	.0634	.2078	.0104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/6/2014 11:10:05 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0103**	F **.0827**	**.0128**	**.0443**	**.0211**	**.0222**
Stddev	.0001	.0000	.0002	.0004	.0006	.0015	.0001
%RSD	.9627	.0013	.2315	2.849	1.395	7.204	.3299
#1	.0105	.0103	.0828	.0126	.0447	.0200	.0222
#2	.0107	.0103	.0825	.0131	.0438	.0222	.0223
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0500				
Range			30.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67778.**	**8796.2**	**2517.6**	**3605.7**
Stddev	105.	33.1	1.3	2.7
%RSD	.15440	.37588	.05108	.07519
#1	67852.	8819.6	2518.5	3603.8
#2	67704.	8772.8	2516.7	3607.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 11:16:06 Type: QC
Method: Accutest1(v355) 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**	**.0010**	**.0010**	**.0032**	**.0018**	**.0015**	**.0033**	**.0041**
Stddev	.0001	.0001	.0002	.0002	.0005	.0002	.0001	.0002
%RSD	2.117	10.92	21.71	5.600	30.43	13.15	2.096	3.788
#1	.0041	.0011	.0008	.0030	.0014	.0014	.0032	.0040
#2	.0040	.0009	.0011	.0033	.0022	.0017	.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	F **.0006**	**.0022**	F **.0133**	**.0029**	**.0021**	**.0025**	**.0041**	**.0029**
Stddev	.0004	.0001	.0000	.0002	.0005	.0009	.0002	.0001
%RSD	72.03	6.812	.3381	8.067	22.65	36.30	5.751	2.733
#1	.0009	.0023	.0133	.0031	.0024	.0032	.0042	.0030
#2	.0003	.0021	.0133	.0028	.0018	.0019	.0039	.0029
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0010		.0100					
Range	-30.00%		30.00%					

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1035**	**1.073**	**.0027**	**.1097**	**2.065**	**1.014**	**.0099**	**.0004**
Stddev	.0010	.038	.0022	.0281	.067	.046	.0004	.0003
%RSD	.9285	3.561	81.44	25.61	3.247	4.570	4.526	70.16
#1	.1042	1.100	.0011	.1296	2.112	1.047	.0102	.0002
#2	.1028	1.046	.0042	.0898	2.017	.9814	.0096	.0006
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: 6/6/2014 11:16:06 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0030**	**.0002**	**-.0001**	**-.0003**	F **.0169**	F **.0007**	F **-.0033**
Stddev	.0005	.0010	.0004	.0002	.0001	.0009	.0001	.0004
%RSD	1185.	32.16	149.5	308.5	20.16	5.440	11.51	11.17
#1	.0003	.0023	.0005	-.0002	-.0003	.0175	.0007	-.0036
#2	-.0004	.0037	-.0000	.0001	-.0002	.0162	.0006	-.0030
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 **.0014**	F **.0004**
Stddev	.0019	.0005
%RSD	134.0	131.1
#1	.0027	.0007
#2	.0001	.0000
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68465.**	**9052.5**	**2551.5**	**3642.8**
Stddev	1199.	284.8	21.8	28.1
%RSD	1.7515	3.1463	.85615	.77126
#1	69313.	8851.1	2567.0	3662.7
#2	67617.	9253.9	2536.1	3623.0

Zoom In Zoom Out

Sample Name: cria Acquired: 6/6/2014 11:22:12 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0001**	**-.0000**	**-.0003**	**-.0005**	**-.0000**	**-.0002**	**-.0001**
Stddev	.0001	.0001	.0001	.0001	.0004	.0003	.0001	.0000	.0003
%RSD	177.5	236.1	98.20	519.3	145.2	54.72	463.1	7.476	302.5
#1	.0000	-.0001	.0001	.0000	-.0005	-.0003	.0000	-.0001	-.0004
#2	-.0001	.0000	.0000	-.0001	.0000	-.0007	-.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	**.0003**	**.0014**	**.0203**	**-.0009**	**.0215**	**.0191**	**.0198**	**.5076**	**.0051**
Stddev	.0001	.0001	.0013	.0012	.0005	.0002	.0009	.0269	.0076
%RSD	25.18	8.699	6.507	135.5	2.202	.8277	4.746	5.292	149.0
#1	.0003	.0013	.0212	-.0000	.0218	.0190	.0205	.5266	-.0003
#2	.0002	.0014	.0193	-.0018	.0211	.0192	.0192	.4886	.0104
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	**.5482**	**.0135**	**.0432**	**-.0031**	**-.0001**	**.0003**	**-.0009**	**.0022**	**-.0002**
Stddev	.0079	.0245	.0122	.0024	.0001	.0001	.0004	.0001	.0004
%RSD	1.444	180.8	28.19	79.60	115.5	28.68	46.00	5.907	196.0
#1	.5538	.0308	.0346	-.0048	-.0001	.0002	-.0006	.0021	-.0005
#2	.5426	-.0038	.0518	-.0013	-.0000	.0003	-.0012	.0023	.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/6/2014 11:22:12 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0005**	**.0186**	**.0008**	**-.0041**	**.0000**	**.0008**
Stddev	.0000	.0001	.0003	.0000	.0004	.0003	.0011
%RSD	243.0	24.76	1.867	.6723	9.786	997.8	138.7
#1	.0000	-.0005	.0184	.0008	-.0044	-.0002	.0016
#2	-.0000	-.0004	.0189	.0008	-.0038	.0003	.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	**68566.**	**8833.3**	**2554.0**	**3631.7**
Stddev	43.	110.8	1.4	2.3
%RSD	.06298	1.2543	.05318	.06290
#1	68596.	8755.0	2553.1	3633.3
#2	68535.	8911.7	2555.0	3630.0

Zoom In Zoom Out

Sample Name: sampleconficpms Acquired: 6/6/2014 11:28:33 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0008**	**-.0001**	**.0000**	**.0000**	**.0018**	**-.0001**	**.0005**	**.0097**	**-.0003**
Stddev	.0000	.0001	.0001	.0002	.0002	.0002	.0001	.0001	.0000
%RSD	1.589	123.3	585.4	6590.	8.388	362.0	12.55	.8908	11.90
#1	.0008	-.0000	.0001	.0001	.0017	.0001	.0004	.0096	-.0003
#2	.0008	-.0002	-.0001	-.0001	.0019	-.0002	.0005	.0097	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0026**	**.0001**	**-.0009**	**.0003**	**-.0009**	**-.0000**	**.0109**	**.1053**
Stddev	.0001	.0000	.0010	.0009	.0010	.0001	.0000	.0025	.0005
%RSD	41.80	1.903	923.3	96.02	306.3	11.73	114.1	22.71	.5119
#1	.0003	.0026	.0008	-.0015	-.0004	-.0010	-.0000	.0091	.1049
#2	.0002	.0026	-.0006	-.0003	.0010	-.0008	-.0001	.0126	.1057

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0544**	**.0323**	**.0387**	**.0423**	**.0004**	**.0028**	**-.0016**	**.0252**	**.0202**
Stddev	.0027	.0259	.0030	.0010	.0001	.0001	.0001	.0002	.0005
%RSD	4.928	80.31	7.772	2.358	30.21	1.937	3.944	.7952	2.604
#1	.0525	.0139	.0408	.0430	.0005	.0027	-.0017	.0254	.0199
#2	.0563	.0506	.0365	.0416	.0003	.0028	-.0016	.0251	.0206

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**-.0001**	**.0278**	**.0017**	**-.0031**	**-.0011**	**.0012**
Stddev	.0000	.0001	.0002	.0002	.0009	.0002	.0006
%RSD	10.10	111.1	.8904	10.98	30.19	17.57	46.26
#1	.0003	-.0002	.0280	.0015	-.0025	-.0010	.0008
#2	.0004	-.0000	.0276	.0018	-.0038	-.0012	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68717.**	**8903.8**	**2541.8**	**3611.2**
Stddev	51.	22.2	20.5	28.6
%RSD	.07438	.24940	.80584	.79152
#1	68753.	8888.1	2556.3	3631.4
#2	68681.	8919.5	2527.3	3591.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 11:34:08 Type: QC
Method: Accutest1(v355) 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**	**.0010**	**.0010**	**.0032**	**.0022**	F **.0013**	**.0033**	**.0040**
Stddev	.0003	.0001	.0001	.0000	.0002	.0003	.0001	.0004
%RSD	6.414	8.172	8.246	1.460	8.755	21.76	3.750	10.37
#1	.0043	.0011	.0011	.0032	.0024	.0015	.0034	.0043
#2	.0039	.0010	.0010	.0032	.0021	.0011	.0032	.0037
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 **.0006**	**.0023**	F **.0133**	F **.0039**	**.0022**	**.0031**	**.0039**	**.0028**
Stddev	.0006	.0004	.0002	.0001	.0002	.0007	.0009	.0010
%RSD	97.11	19.45	1.806	3.322	8.454	20.95	24.15	34.38
#1	.0002	.0019	.0135	.0038	.0024	.0036	.0046	.0021
#2	.0011	.0026	.0131	.0040	.0021	.0027	.0032	.0034
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0010		.0100	.0030				
Range	-30.00%		30.00%	30.00%				

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1072**	**1.110**	**.0041**	**.1145**	**2.110**	**1.063**	**.0099**	**.0002**
Stddev	.0007	.043	.0040	.0090	.091	.044	.0004	.0002
%RSD	.6989	3.880	97.44	7.843	4.306	4.117	4.271	140.3
#1	.1077	1.141	.0070	.1082	2.175	1.094	.0102	.0003
#2	.1066	1.080	.0013	.1209	2.046	1.032	.0096	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 11:34:08 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.0030**	**-.0003**	**-.0001**	**-.0001**	F **.0080**	F **.0002**	F **-.0039**
Stddev	.0020	.0000	.0005	.0000	.0000	.0005	.0002	.0000
%RSD	99.53	.0890	177.9	.6097	10.18	6.791	73.81	.7241
#1	-.0034	.0030	.0001	-.0001	-.0001	.0076	.0003	-.0039
#2	-.0006	.0030	-.0006	-.0001	-.0001	.0084	.0001	-.0039
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 **-.0011**	F **.0010**
Stddev	.0012	.0001
%RSD	111.4	7.730
#1	-.0002	.0011
#2	-.0020	.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	**69452.**	**8664.5**	**2568.3**	**3632.8**
Stddev	1843.	203.9	21.7	31.6
%RSD	2.6540	2.3535	.84439	.87025
#1	68149.	8520.3	2552.9	3610.4
#2	70755.	8808.7	2583.6	3655.1

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/6/2014 11:40:15 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0007**	**.0032**	**-.0008**	**.0003**	**-.0029**	**.0048**	**.0006**	**-.0089**
Stddev	.0001	.0003	.0002	.0007	.0008	.0002	.0006	.0003	.0005
%RSD	8.015	45.82	5.153	82.91	253.5	6.318	12.30	51.83	5.533
#1	-.0012	.0009	.0033	-.0013	.0009	-.0028	.0052	.0009	-.0092
#2	-.0014	.0005	.0031	-.0003	-.0003	-.0030	.0044	.0004	-.0085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0023**	**.0043**	**.0011**	**-.0035**	F **.0151**	**-.0004**	**518.0**	**392.4**
Stddev	.0005	.0002	.0009	.0008	.0040	.0086	.0004	46.6	35.3
%RSD	11.43	7.377	20.57	73.86	114.7	56.75	90.24	9.002	8.995
#1	.0044	.0022	.0037	.0017	-.0007	.0211	-.0007	550.9	417.4
#2	.0037	.0024	.0049	.0005	-.0063	.0090	-.0001	485.0	367.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0100			
Low Limit						-.0100			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**193.4**	**521.2**	**.0053**	**-.0120**	**-.0007**	**.0014**	**-.0132**	**-.0007**	**-.0020**
Stddev	17.0	46.4	.0028	.0061	.0008	.0002	.0012	.0015	.0011
%RSD	8.805	8.909	51.77	50.89	124.8	13.78	9.485	213.3	57.70
#1	205.4	554.0	.0073	-.0164	-.0012	.0013	-.0140	.0004	-.0012
#2	181.3	488.4	.0034	-.0077	-.0001	.0016	-.0123	-.0017	-.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/6/2014 11:40:15 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0026**	**-.0255**	**.0012**	**-.0276**	**.0306**	**.0045**
Stddev	.0006	.0000	.0022	.0004	.0013	.0007	.0014
%RSD	11.37	.8983	8.735	30.01	4.810	2.137	31.76
#1	-.0056	.0026	-.0270	.0015	-.0267	.0311	.0055
#2	-.0047	.0026	-.0239	.0010	-.0285	.0302	.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	**57737.**	**8266.5**	**2235.0**	**2998.3**
Stddev	3725.	632.1	1.7	2.3
%RSD	6.4512	7.6464	.07406	.07601
#1	55103.	7819.5	2233.9	2996.6
#2	60371.	8713.4	2236.2	2999.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/6/2014 11:46:15 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5035**	**.4987**	**1.032**	**.4920**	**.4809**	**.5175**	**.5185**	**.9766**	**1.120**
Stddev	.0065	.0045	.006	.0022	.0020	.0034	.0005	.0035	.006
%RSD	1.295	.9121	.6029	.4391	.4167	.6522	.1055	.3546	.5274
#1	.4988	.4954	1.028	.4905	.4823	.5151	.5189	.9741	1.116
#2	.5081	.5019	1.036	.4936	.4795	.5199	.5181	.9790	1.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4885**	**.9715**	**1.120**	**.9926**	**.9969**	**1.122**	**1.050**	**512.3**	**385.7**
Stddev	.0018	.0035	.004	.0070	.0036	.001	.006	5.3	3.6
%RSD	.3753	.3587	.3946	.7089	.3619	.0585	.6002	1.034	.9347
#1	.4897	.9690	1.117	.9876	.9943	1.123	1.045	508.6	383.2
#2	.4872	.9739	1.123	.9976	.9994	1.122	1.054	516.1	388.3
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	**188.5**	**521.8**	**.0161**	**-.0096**	**.0030**	**.4996**	**.4984**	**-.0002**	**-.0014**
Stddev	1.8	4.5	.0115	.0046	.0004	.0015	.0027	.0006	.0023
%RSD	.9385	.8559	71.02	47.36	14.73	.2953	.5515	376.2	163.4
#1	187.3	518.6	.0242	-.0129	.0027	.4986	.4964	.0003	.0002
#2	189.8	524.9	.0080	-.0064	.0033	.5007	.5003	-.0006	-.0031
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/6/2014 11:46:15 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0051**	**.0022**	F **.6320**	**.5764**	**.4843**	**.5881**	**.5754**
Stddev	.0000	.0000	.0037	.0013	.0039	.0043	.0080
%RSD	.4470	2.139	.5844	.2276	.8030	.7244	1.385
#1	-.0051	.0022	.6294	.5755	.4816	.5851	.5698
#2	-.0051	.0021	.6347	.5774	.4871	.5911	.5810
Check ?	None	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.5000				
Range			20.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60133.**	**8321.5**	**2236.1**	**2998.3**
Stddev	23.	46.8	7.4	8.1
%RSD	.03812	.56295	.33022	.27008
#1	60149.	8354.6	2241.3	3004.0
#2	60116.	8288.4	2230.9	2992.5

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/6/2014 11:52:05 Type: Unk
Method: Accutest1(v355) Mode: CONC 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**	**.0006**	**.0025**	**-.0024**	**.0017**	**-.0013**	**.0063**	**.0018**	**-.0021**
Stddev	.0000	.0002	.0002	.0001	.0004	.0001	.0003	.0004	.0025
%RSD	19.77	38.57	5.992	2.201	21.85	8.277	4.071	21.32	118.0
#1	.0002	.0008	.0024	-.0023	.0019	-.0013	.0061	.0015	-.0039
#2	.0001	.0005	.0026	-.0024	.0014	-.0012	.0065	.0021	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0039**	**.0084**	**.0018**	**-.0000**	**-.0003**	**.0084**	**-.0003**	**.0042**	**.0045**
Stddev	.0001	.0003	.0010	.0002	.0004	.0018	.0002	.0053	.0024
%RSD	3.139	3.092	51.63	577.1	151.8	21.04	67.54	127.5	54.13
#1	.0038	.0085	.0012	-.0002	.0000	.0096	-.0002	.0079	.0063
#2	.0040	.0082	.0025	.0001	-.0005	.0071	-.0004	.0004	.0028

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**206.9**	**-.0423**	**-.0296**	**-.0051**	**-.0027**	**.0009**	**-.0054**	**-.0059**	**-.0018**
Stddev	.2	.0190	.0205	.0011	.0005	.0001	.0010	.0001	.0003
%RSD	.0727	44.93	69.43	21.88	17.48	10.39	18.38	2.313	18.63
#1	206.8	-.0557	-.0441	-.0059	-.0023	.0010	-.0061	-.0060	-.0020
#2	207.0	-.0288	-.0151	-.0043	-.0030	.0008	-.0047	-.0058	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0008**	**.0105**	**.0066**	**.0014**	**.0239**	**.0003**
Stddev	.0000	.0002	.0013	.0000	.0019	.0010	.0005
%RSD	99.49	24.42	12.58	.1765	134.4	4.161	203.7
#1	.0000	-.0009	.0096	.0066	.0001	.0246	-.0001
#2	.0000	-.0007	.0114	.0066	.0028	.0232	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67758.**	**8632.9**	**2558.8**	**3617.2**
Stddev	893.	15.0	4.3	9.3
%RSD	1.3174	.17377	.16884	.25700
#1	67127.	8622.3	2555.7	3610.7
#2	68389.	8643.5	2561.8	3623.8

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/6/2014 11:58:06 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0001**	**-.0001**	**-.0004**	**10.17**	**.0013**	**-.0012**	**-.0003**	**.0001**
Stddev	.0001	.0001	.0002	.0001	.03	.0003	.0000	.0002	.0003
%RSD	21.67	124.1	185.4	27.01	.2867	23.24	.5826	56.75	363.4
#1	.0005	.0002	.0000	-.0004	10.20	.0011	-.0012	-.0005	.0003
#2	.0003	.0000	-.0002	-.0005	10.15	.0015	-.0012	-.0002	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0031**	**.0125**	**.0006**	**.0008**	**-.0019**	**.0201**	**.0142**	**.0046**
Stddev	.0002	.0001	.0003	.0013	.0005	.0003	.0002	.0142	.0040
%RSD	96.41	2.920	2.129	219.8	59.18	16.96	1.108	99.76	87.80
#1	-.0003	.0031	.0123	.0015	.0005	-.0016	.0200	.0242	.0075
#2	-.0001	.0030	.0127	-.0003	.0012	-.0021	.0203	.0042	.0017

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0362**	**-.0002**	**.0241**	**-.0071**	**.0000**	**.0009**	**-.0023**	**.0027**	**-.0010**
Stddev	.0005	.0139	.0123	.0013	.0001	.0000	.0016	.0004	.0002
%RSD	1.331	8008.	50.94	17.82	464.9	1.601	70.22	13.64	24.84
#1	.0358	.0096	.0154	-.0062	-.0000	.0009	-.0034	.0030	-.0008
#2	.0365	-.0100	.0328	-.0079	.0001	.0009	-.0011	.0025	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**.0098**	**-.0000**	**-.0037**	**.0129**	**.0011**
Stddev	.0001	.0001	.0007	.0000	.0015	.0008	.0006
%RSD	42.02	26.04	6.713	483.5	41.33	6.133	51.93
#1	.0001	.0005	.0102	-.0000	-.0048	.0135	.0015
#2	.0002	.0003	.0093	.0000	-.0026	.0123	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69418.**	**8797.1**	**2519.9**	**3608.1**
Stddev	88.	41.2	10.3	14.5
%RSD	.12659	.46872	.40852	.40152
#1	69480.	8826.3	2512.6	3597.9
#2	69356.	8768.0	2527.2	3618.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 12:04:11 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.961**	**1.976**	**1.978**	**2.045**	**1.951**	**1.891**	**2.023**	**2.089**	**.2395**
Stddev	.002	.004	.008	.010	.001	.004	.001	.009	.0005
%RSD	.1212	.1866	.4056	.5010	.0545	.2027	.0618	.4370	.2248
#1	1.962	1.979	1.972	2.038	1.950	1.889	2.022	2.082	.2391
#2	1.959	1.974	1.983	2.053	1.952	1.894	2.024	2.095	.2399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.985**	**2.035**	**2.003**	**2.093**	**2.101**	**2.002**	**1.984**	**39.38**	**39.62**
Stddev	.003	.009	.015	.010	.006	.011	.009	.02	.05
%RSD	.1442	.4571	.7384	.4941	.2826	.5249	.4741	.0447	.1383
#1	1.983	2.028	1.993	2.086	2.097	1.994	1.977	39.37	39.59
#2	1.987	2.042	2.014	2.101	2.105	2.009	1.990	39.40	39.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.55**	**39.30**	**38.75**	**39.35**	**2.000**	**1.959**	**1.829**	**4.929**	**1.996**
Stddev	.04	.06	.01	.10	.012	.008	.003	.021	.011
%RSD	.0889	.1601	.0154	.2602	.5908	.4308	.1430	.4214	.5300
#1	39.57	39.25	38.76	39.43	1.992	1.953	1.827	4.914	1.989
#2	39.52	39.34	38.75	39.28	2.008	1.965	1.831	4.944	2.004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 12:04:11 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.969**	**1.998**	**2.051**	**2.018**	**1.935**	**2.032**	**1.968**
Stddev	.002	.005	.030	.002	.011	.012	.009
%RSD	.1069	.2574	1.447	.1062	.5489	.5814	.4799
#1	1.971	1.994	2.030	2.017	1.927	2.023	1.974
#2	1.968	2.002	2.072	2.020	1.942	2.040	1.961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67441.**	**8673.9**	**2470.6**	**3377.0**
Stddev	109.	76.7	6.4	8.1
%RSD	.16159	.88403	.25959	.24111
#1	67363.	8728.1	2475.1	3382.8
#2	67518.	8619.7	2466.0	3371.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 12:10:00 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0001**	**.0002**	**.0002**	**-.0009**	**.0001**	**-.0002**	**-.0007**
Stddev	.0000	.0000	.0000	.0000	.0004	.0005	.0000	.0001	.0001
%RSD	98.41	53.79	17.44	24.33	200.3	55.18	8.228	42.42	15.60
#1	-.0000	-.0001	.0001	.0002	.0005	-.0006	.0001	-.0003	-.0008
#2	-.0000	-.0000	.0001	.0002	-.0001	-.0013	.0001	-.0001	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0001**	**.0004**	**.0002**	**-.0005**	**-.0027**	**-.0004**	**-.0025**	**-.0021**
Stddev	.0002	.0000	.0001	.0005	.0004	.0014	.0009	.0021	.0049
%RSD	56.10	29.33	28.07	222.0	83.03	52.50	210.4	84.20	236.0
#1	.0005	.0002	.0003	-.0001	-.0002	-.0037	.0002	-.0040	.0014
#2	.0002	.0001	.0005	.0006	-.0008	-.0017	-.0010	-.0010	-.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0158**	**-.0065**	**.0489**	**-.0098**	**.0008**	**.0009**	**-.0018**	**-.0003**	**.0000**
Stddev	.0040	.0147	.0116	.0023	.0004	.0002	.0004	.0004	.0008
%RSD	25.17	226.7	23.80	23.81	54.69	27.72	19.92	132.6	2604.
#1	.0187	-.0169	.0407	-.0081	.0010	.0011	-.0021	-.0005	.0006
#2	.0130	.0039	.0572	-.0114	.0005	.0007	-.0016	-.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 12:10:00 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0004**	F **.0371**	**.0018**	**-.0048**	**.0006**	**.0017**
Stddev	.0000	.0005	.0025	.0000	.0021	.0006	.0002
%RSD	47.27	126.4	6.791	2.302	43.50	95.09	14.29
#1	.0001	.0007	.0389	.0018	-.0033	.0002	.0015
#2	.0000	.0000	.0353	.0017	-.0062	.0010	.0018
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291				
Low Limit			-.0291				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**69614.**	**8720.1**	**2583.1**	**3616.5**
Stddev	50.	38.1	.5	3.1
%RSD	.07127	.43731	.01839	.08539
#1	69649.	8693.1	2582.8	3614.3
#2	69579.	8747.0	2583.4	3618.6

Zoom In Zoom Out

Sample Name: mp79886-lc1conf Acquired: 6/6/2014 12:16:06 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.641**	**.8341**	**.9751**	**.4727**	**.7582**	**.4400**	**3.758**	**2.210**	**.2692**
Stddev	.048	.0248	.0010	.0005	.0265	.0127	.104	.006	.0038
%RSD	2.924	2.969	.1005	.1072	3.489	2.883	2.768	.2819	1.409
#1	1.675	.8516	.9745	.4724	.7394	.4310	3.685	2.205	.2666
#2	1.607	.8165	.9758	.4731	.7769	.4490	3.832	2.214	.2719

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.7803**	**2.008**	**.9789**	**1.811**	**1.722**	**1.065**	**.4687**	**76.62**	**42.16**
Stddev	.0236	.009	.0033	.005	.004	.007	.0019	2.25	1.14
%RSD	3.026	.4340	.3416	.2556	.2242	.6700	.4124	2.933	2.704
#1	.7636	2.002	.9765	1.808	1.720	1.060	.4701	78.21	42.97
#2	.7970	2.014	.9812	1.814	1.725	1.070	.4674	75.03	41.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**86.66**	**24.69**	**22.13**	**5.057**	**.8375**	**.5322**	**-.0142**	**2.332**	**.7031**
Stddev	2.44	.50	.67	.162	.0007	.0014	.0026	.003	.0011
%RSD	2.821	2.033	3.016	3.205	.0880	.2597	18.19	.1077	.1555
#1	88.39	25.05	22.61	5.171	.8370	.5312	-.0124	2.330	.7023
#2	84.93	24.34	21.66	4.942	.8381	.5332	-.0160	2.334	.7038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7387**	**2.384**	**.0641**	**.0709**	**1.542**	**.0053**	**.0615**
Stddev	.0232	.065	.0008	.0015	.006	.0004	.0025
%RSD	3.142	2.732	1.231	2.107	.3742	7.231	4.149
#1	.7552	2.338	.0647	.0699	1.538	.0056	.0633
#2	.7223	2.430	.0636	.0720	1.547	.0050	.0596

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68906.**	**9151.5**	**2527.8**	**3423.0**
Stddev	1626.	111.4	1.6	3.8
%RSD	2.3599	1.2177	.06301	.11144
#1	70056.	9072.7	2526.7	3420.3
#2	67757.	9230.3	2528.9	3425.7

Zoom In Zoom Out

Sample Name: jb68149-11conf Acquired: 6/6/2014 12:21:53 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0906**	**.0013**	**.0006**	**.0637**	**.0368**	**.0147**	**.1497**	**.0398**	**-.0077**
Stddev	.0002	.0001	.0002	.0007	.0000	.0004	.0004	.0005	.0008
%RSD	.2087	7.362	33.28	1.102	.0855	2.417	.2626	1.374	10.50
#1	.0907	.0014	.0008	.0642	.0368	.0144	.1494	.0402	-.0071
#2	.0905	.0012	.0005	.0632	.0368	.0149	.1500	.0394	-.0082

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0607**	**.1081**	**.0088**	**-.0059**	**.0341**	**-.0051**	**.0005**	**50.79**	**1.657**
Stddev	.0003	.0015	.0006	.0016	.0001	.0001	.0005	.38	.017
%RSD	.4955	1.404	7.329	27.20	.1713	1.722	109.4	.7567	1.011
#1	.0605	.1092	.0083	-.0071	.0340	-.0050	.0001	51.06	1.668
#2	.0609	.1070	.0092	-.0048	.0341	-.0051	.0009	50.52	1.645

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**27.94**	**1.639**	**1.282**	**.1263**	**.0045**	**-.0004**	**-.0005**	**4.465**	**.0378**
Stddev	.24	.046	.009	.0046	.0009	.0002	.0002	.071	.0010
%RSD	.8437	2.815	.6686	3.662	19.54	43.16	50.75	1.593	2.601
#1	28.11	1.672	1.276	.1295	.0039	-.0003	-.0003	4.516	.0385
#2	27.77	1.607	1.288	.1230	.0051	-.0005	-.0006	4.415	.0371

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0151**	**.9331**	**.2711**	**.0163**	**.1566**	**.0021**	**.0103**
Stddev	.0002	.0033	.0051	.0000	.0044	.0008	.0004
%RSD	1.109	.3527	1.877	.1692	2.835	37.91	3.411
#1	.0152	.9308	.2747	.0163	.1598	.0015	.0101
#2	.0150	.9355	.2675	.0164	.1535	.0026	.0106

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69035.**	**8961.8**	**2597.3**	**3624.5**
Stddev	87.	61.5	39.6	53.2
%RSD	.12668	.68673	1.5264	1.4675
#1	69097.	8918.3	2569.2	3586.9
#2	68973.	9005.4	2625.3	3662.1

Zoom In Zoom Out

Sample Name: jb68149-13aconf Acquired: 6/6/2014 12:27:50 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2659**	**.0033**	**.0013**	**.0518**	**.0852**	**.0328**	**.3367**	**.1685**	**-.0217**
Stddev	.0032	.0002	.0001	.0008	.0065	.0021	.0254	.0037	.0063
%RSD	1.219	5.732	7.512	1.574	7.604	6.552	7.552	2.173	29.16
#1	.2636	.0034	.0012	.0524	.0898	.0343	.3547	.1711	-.0262
#2	.2682	.0031	.0014	.0512	.0806	.0313	.3187	.1660	-.0173

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1466**	**.1614**	**.0216**	**.0007**	**.0493**	**.0107**	**.0018**	**176.9**	**2.722**
Stddev	.0110	.0033	.0003	.0011	.0000	.0040	.0013	2.5	.040
%RSD	7.472	2.039	1.390	151.5	.0515	36.95	73.57	1.425	1.484
#1	.1543	.1638	.0214	-.0001	.0493	.0079	.0027	175.1	2.693
#2	.1388	.1591	.0218	.0015	.0493	.0135	.0009	178.7	2.750

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**57.97**	**4.075**	**4.750**	**.4249**	**.0175**	**.0220**	**.0053**	**17.91**	**.0201**
Stddev	1.02	.083	.062	.0055	.0004	.0003	.0005	.42	.0013
%RSD	1.765	2.045	1.308	1.298	2.179	1.539	10.22	2.332	6.244
#1	57.24	4.016	4.706	.4210	.0178	.0222	.0050	18.21	.0210
#2	58.69	4.133	4.794	.4288	.0172	.0217	.0057	17.62	.0192

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0328**	**2.872**	**.0284**	**.0430**	**1.304**	**.0038**	**.0362**
Stddev	.0005	.221	.0006	.0043	.028	.0009	.0003
%RSD	1.504	7.697	2.135	9.983	2.142	24.53	.6994
#1	.0325	3.028	.0289	.0461	1.324	.0032	.0360
#2	.0332	2.716	.0280	.0400	1.284	.0045	.0363

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70492.**	**8926.3**	**2479.1**	**3424.5**
Stddev	4424.	159.7	53.0	69.3
%RSD	6.2754	1.7892	2.1366	2.0248
#1	67364.	9039.2	2441.7	3375.4
#2	73620.	8813.3	2516.6	3473.5

Zoom In Zoom Out

Sample Name: jb68149-13conf Acquired: 6/6/2014 12:34:13 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1879**	**.0025**	**.0009**	**.0419**	**.0738**	**.0269**	**.3174**	**.1412**	**-.0145**
Stddev	.0040	.0001	.0001	.0000	.0004	.0007	.0002	.0005	.0003
%RSD	2.150	1.970	7.789	.0969	.5782	2.582	.0749	.3824	2.072
#1	.1907	.0025	.0010	.0419	.0735	.0274	.3172	.1415	-.0143
#2	.1850	.0026	.0009	.0418	.0741	.0264	.3175	.1408	-.0148

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1179**	**.0982**	**.0155**	**.0003**	**.0369**	**.0038**	**-.0006**	**118.5**	**2.061**
Stddev	.0001	.0001	.0004	.0025	.0008	.0006	.0004	3.1	.038
%RSD	.0670	.0859	2.775	738.7	2.153	14.47	65.19	2.584	1.852
#1	.1178	.0981	.0152	-.0014	.0363	.0042	-.0003	120.7	2.088
#2	.1179	.0982	.0158	.0021	.0375	.0034	-.0009	116.4	2.034

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**47.14**	**2.750**	**2.605**	**.3018**	**.0084**	**.0195**	**.0013**	**9.982**	**.0210**
Stddev	1.08	.067	.068	.0035	.0001	.0004	.0008	.014	.0001
%RSD	2.292	2.450	2.603	1.148	.7806	2.124	60.48	.1348	.5959
#1	47.90	2.797	2.653	.3043	.0084	.0198	.0008	9.991	.0209
#2	46.37	2.702	2.557	.2994	.0085	.0192	.0019	9.972	.0211

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0249**	**1.768**	**.0156**	**.0241**	**1.340**	**.0055**	**.0232**
Stddev	.0005	.002	.0006	.0001	.004	.0007	.0003
%RSD	1.987	.1174	3.924	.6157	.2804	13.18	1.415
#1	.0252	1.767	.0160	.0240	1.337	.0061	.0235
#2	.0245	1.770	.0152	.0242	1.342	.0050	.0230

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69060.**	**9044.6**	**2589.1**	**3581.3**
Stddev	118.	176.3	2.6	1.7
%RSD	.17125	1.9488	.10110	.04807
#1	68977.	8920.0	2590.9	3582.5
#2	69144.	9169.3	2587.2	3580.1

Zoom In Zoom Out

Sample Name: mp79793-mb2 2 Acquired: 6/6/2014 12:40:09 Type: Unk
Method: Accutest1(v355) Mode: CONC 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**	**-.0003**	**.0003**	**.0276**	**-.0004**	**.0007**	**.1998**	**-.0009**
Stddev	.0000	.0001	.0001	.0001	.0002	.0005	.0000	.0001	.0005
%RSD	1.042	93.23	35.25	17.93	.6216	122.1	3.672	.0740	63.12
#1	.0007	-.0000	-.0003	.0004	.0275	-.0007	.0008	.1999	-.0013
#2	.0008	-.0002	-.0002	.0003	.0278	-.0001	.0007	.1997	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0066**	**-.0007**	**.0008**	**.0003**	**-.0007**	**.0002**	**.0166**	**.1067**
Stddev	.0000	.0002	.0000	.0002	.0001	.0004	.0006	.0008	.0012
%RSD	3.036	2.661	3.500	31.28	37.92	62.76	320.2	4.985	1.101
#1	.0004	.0067	-.0007	.0010	.0004	-.0004	-.0002	.0160	.1075
#2	.0004	.0065	-.0007	.0006	.0002	-.0010	.0006	.0172	.1059

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0366**	**.0223**	**.0493**	**.0345**	**.0011**	**.0387**	**-.0015**	**.0229**	**.0151**
Stddev	.0042	.0317	.0035	.0024	.0003	.0000	.0000	.0000	.0002
%RSD	11.52	142.3	7.102	7.091	23.77	.1229	.0733	.1812	1.651
#1	.0336	-.0001	.0517	.0328	.0009	.0387	-.0015	.0228	.0150
#2	.0395	.0447	.0468	.0363	.0012	.0387	-.0015	.0229	.0153

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0004**	**.0045**	**.0003**	**.0026**	**.0007**	**.0008**
Stddev	.0001	.0001	.0013	.0001	.0023	.0002	.0010
%RSD	22.35	26.44	28.80	18.46	87.76	34.33	123.1
#1	.0003	.0005	.0055	.0004	.0042	.0009	.0015
#2	.0004	.0003	.0036	.0003	.0010	.0005	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69387.**	**8831.4**	**2535.7**	**3569.7**
Stddev	9.	66.0	7.8	9.0
%RSD	.01321	.74783	.30921	.25075
#1	69380.	8878.1	2541.2	3576.1
#2	69393.	8784.7	2530.1	3563.4

Zoom In Zoom Out

Sample Name: mp79793-b2 Acquired: 6/6/2014 12:46:12 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.875**	**.1002**	**.0932**	**1.001**	**.4333**	**.4659**	**1.018**	**1.349**	**.1031**
Stddev	.000	.0001	.0004	.004	.0015	.0006	.001	.004	.0005
%RSD	.0064	.0960	.4716	.3590	.3414	.1254	.0696	.3209	.5291
#1	3.875	.1002	.0935	1.004	.4322	.4663	1.018	1.352	.1035
#2	3.875	.1003	.0929	.9988	.4343	.4655	1.017	1.346	.1027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9397**	**1.022**	**3.919**	**4.144**	**1.033**	**4.016**	**.9356**	**51.36**	**12.30**
Stddev	.0008	.004	.016	.009	.004	.014	.0048	.08	.04
%RSD	.0880	.3441	.4123	.2106	.3837	.3463	.5078	.1502	.3362
#1	.9391	1.024	3.930	4.150	1.036	4.026	.9389	51.41	12.33
#2	.9403	1.019	3.908	4.138	1.030	4.007	.9322	51.30	12.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**50.00**	**12.18**	**11.68**	**12.51**	**.0011**	**.0627**	**.0040**	**.0333**	**.0160**
Stddev	.07	.02	.03	.01	.0000	.0001	.0001	.0005	.0002
%RSD	.1408	.1633	.2233	.1171	.7821	.2044	1.921	1.360	1.375
#1	50.05	12.17	11.70	12.50	.0011	.0628	.0041	.0330	.0161
#2	49.95	12.20	11.66	12.52	.0011	.0626	.0040	.0337	.0158

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0035**	**.0516**	**.0027**	**.0088**	**.0063**	**.0008**
Stddev	.0000	.0001	.0007	.0001	.0011	.0009	.0002
%RSD	11.21	3.633	1.286	3.102	12.21	14.57	25.96
#1	.0002	.0034	.0521	.0027	.0080	.0057	.0007
#2	.0002	.0036	.0512	.0026	.0095	.0070	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68352.**	**8712.6**	**2525.4**	**3486.0**
Stddev	203.	20.7	4.6	4.6
%RSD	.29687	.23775	.18078	.13156
#1	68208.	8698.0	2522.1	3482.8
#2	68495.	8727.3	2528.6	3489.3

Zoom In Zoom Out

Sample Name: jb68563-1 Acquired: 6/6/2014 12:52:04 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0626**	**.0007**	**.0011**	**.0073**	**.0609**	**.0528**	**.6373**	**.1881**	**.0158**
Stddev	.0002	.0002	.0002	.0005	.0003	.0001	.0011	.0000	.0007
%RSD	.3969	22.92	15.12	6.439	.4372	.1947	.1799	.0075	4.482
#1	.0624	.0008	.0012	.0077	.0607	.0528	.6381	.1881	.0153
#2	.0627	.0006	.0010	.0070	.0611	.0527	.6365	.1881	.0163

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0110**	**.2504**	**-.0093**	**.0234**	**.0233**	**.0041**	**.0028**	**10.21**	**1698.**
Stddev	.0002	.0012	.0015	.0011	.0013	.0027	.0019	.01	19.
%RSD	1.438	.4628	15.58	4.545	5.784	64.75	68.31	.1005	1.131
#1	.0109	.2512	-.0104	.0242	.0224	.0022	.0041	10.22	1712.
#2	.0111	.2496	-.0083	.0227	.0243	.0060	.0014	10.20	1685.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**34.57**	**26.50**	**3.522**	**4.884**	**.0076**	**.0347**	**-.0304**	**3.530**	**.0172**
Stddev	.10	.06	.010	.006	.0001	.0002	.0003	.021	.0002
%RSD	.2760	.2446	.2952	.1162	.7438	.4795	.8781	.6096	1.412
#1	34.64	26.54	3.515	4.888	.0076	.0349	-.0302	3.545	.0170
#2	34.51	26.45	3.529	4.880	.0076	.0346	-.0306	3.514	.0174

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.998**	**.7120**	**-.2153**	**.1625**	**3.088**	**.0230**	**.0218**
Stddev	.002	.0059	.0029	.0001	.010	.0013	.0011
%RSD	.0790	.8272	1.353	.0630	.3144	5.587	5.072
#1	3.000	.7162	-.2174	.1626	3.095	.0221	.0210
#2	2.997	.7078	-.2132	.1625	3.081	.0239	.0225

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59392.**	**8067.2**	**2120.9**	**2773.1**
Stddev	106.	25.1	1.8	2.2
%RSD	.17829	.31124	.08361	.07765
#1	59317.	8049.4	2119.7	2774.6
#2	59467.	8084.9	2122.2	2771.6

Zoom In Zoom Out

Sample Name: jb68563-2 Acquired: 6/6/2014 12:58:07 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1420**	**.0012**	**.0012**	**.0087**	**.0419**	**.0437**	**.6849**	**.1306**	**.0198**
Stddev	.0008	.0001	.0004	.0002	.0007	.0002	.0060	.0004	.0014
%RSD	.5534	6.764	34.41	1.845	1.640	.3871	.8793	.3269	7.130
#1	.1414	.0012	.0014	.0088	.0424	.0438	.6891	.1309	.0188
#2	.1425	.0011	.0009	.0086	.0414	.0436	.6806	.1303	.0207

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0119**	**.1872**	**-.0098**	**.0268**	**.0227**	**.0066**	**.0025**	**12.57**	**2027.**
Stddev	.0002	.0003	.0009	.0003	.0039	.0002	.0002	.09	24.
%RSD	2.053	.1507	8.907	1.004	17.19	3.059	8.677	.6770	1.180
#1	.0121	.1870	-.0092	.0270	.0199	.0065	.0026	12.51	2010.
#2	.0117	.1874	-.0104	.0266	.0255	.0068	.0023	12.63	2044.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**20.04**	**35.04**	**3.775**	**2.694**	**.0100**	**.0264**	**.0018**	**4.320**	**.0190**
Stddev	.10	.17	.017	.005	.0003	.0000	.0009	.003	.0006
%RSD	.5080	.4978	.4392	.1826	2.855	.0476	50.46	.0662	2.901
#1	19.97	34.92	3.763	2.690	.0102	.0264	.0012	4.322	.0186
#2	20.11	35.16	3.787	2.697	.0098	.0264	.0024	4.318	.0194

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.810**	**.8544**	**-.2573**	**.0398**	**2.353**	**.0234**	**.0349**
Stddev	.013	.0164	.0032	.0003	.007	.0008	.0006
%RSD	.4645	1.919	1.245	.6415	.2980	3.243	1.588
#1	2.801	.8660	-.2551	.0399	2.357	.0239	.0345
#2	2.819	.8428	-.2596	.0396	2.348	.0228	.0352

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58672.**	**7919.3**	**2071.0**	**2691.4**
Stddev	323.	16.3	1.5	.3
%RSD	.55029	.20614	.07061	.01012
#1	58443.	7930.8	2070.0	2691.2
#2	58900.	7907.8	2072.0	2691.6

Zoom In Zoom Out

Sample Name: mp79892-mb1conf Acquired: 6/6/2014 13:09:04 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1013**	**.0002**	**.0008**	**.0566**	**.0030**	**.0012**	**.1196**	**.0213**	**-.0006**
Stddev	.0001	.0000	.0000	.0004	.0004	.0001	.0002	.0001	.0002
%RSD	.0775	10.59	3.230	.7066	12.79	6.970	.1910	.6056	34.09
#1	.1014	.0002	.0008	.0569	.0027	.0013	.1195	.0212	-.0007
#2	.1013	.0002	.0008	.0564	.0033	.0011	.1198	.0213	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0580**	**.0006**	**-.0006**	**.0082**	**-.0015**	**.0006**	**.5096**	**6.862**
Stddev	.0005	.0000	.0006	.0023	.0012	.0002	.0009	.0037	.008
%RSD	78.46	.0475	96.82	366.6	14.73	10.84	162.0	.7227	.1162
#1	.0010	.0581	.0010	-.0022	.0091	-.0014	-.0001	.5070	6.857
#2	.0003	.0580	.0002	.0010	.0074	-.0016	.0012	.5122	6.868

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1399**	**5.092**	**4.291**	**925.7**	**.0153**	**.0004**	**.0004**	**1.055**	**.0019**
Stddev	.0065	.043	.009	3.5	.0009	.0002	.0000	.001	.0006
%RSD	4.644	.8447	.1981	.3744	5.694	62.29	7.523	.1122	29.83
#1	.1445	5.061	4.297	923.2	.0159	.0005	.0004	1.054	.0023
#2	.1353	5.122	4.285	928.1	.0147	.0002	.0004	1.056	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0646**	**.0016**	**.0175**	**-.0000**	**1.159**	**-.0018**	**.0034**
Stddev	.0001	.0006	.0014	.0002	.008	.0007	.0003
%RSD	.0962	34.76	8.015	1795.	.6586	40.83	7.410
#1	.0646	.0012	.0165	.0001	1.153	-.0013	.0036
#2	.0645	.0021	.0185	-.0001	1.164	-.0023	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61611.**	**8202.4**	**2331.8**	**3034.1**
Stddev	156.	16.9	.1	.8
%RSD	.25394	.20656	.00483	.02677
#1	61500.	8214.4	2331.8	3034.7
#2	61721.	8190.5	2331.7	3033.5

Zoom In Zoom Out

Sample Name: mp79892-s1 Acquired: 6/6/2014 13:15:11 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.236**	**.0515**	**.0535**	**.5288**	**.2013**	**.2586**	**2.581**	**.5679**	**.0636**
Stddev	.001	.0001	.0000	.0003	.0001	.0006	.004	.0002	.0003
%RSD	.0229	.2013	.0809	.0544	.0324	.2274	.1755	.0386	.5289
#1	2.236	.0515	.0536	.5290	.2014	.2590	2.584	.5681	.0638
#2	2.235	.0516	.0535	.5286	.2013	.2582	2.578	.5677	.0634

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5003**	**.5239**	**2.267**	**2.026**	**2.086**	**2.375**	**.5283**	**2.598**	**328.8**
Stddev	.0008	.0003	.002	.005	.006	.002	.0024	.004	.5
%RSD	.1606	.0629	.0901	.2726	.2928	.0908	.4555	.1399	.1639
#1	.5008	.5241	2.268	2.030	2.081	2.376	.5300	2.596	328.4
#2	.4997	.5236	2.265	2.022	2.090	2.373	.5266	2.601	329.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.360**	**150.7**	**2.037**	**964.7**	**.1582**	**.0007**	**.0010**	**2.215**	**.0013**
Stddev	.007	.3	.029	2.1	.0003	.0001	.0006	.008	.0015
%RSD	.4888	.1742	1.418	.2140	.1816	15.78	65.18	.3745	117.4
#1	1.355	150.5	2.016	963.3	.1580	.0008	.0014	2.221	.0024
#2	1.365	150.9	2.057	966.2	.1584	.0006	.0005	2.210	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0743**	**.0142**	**-.0026**	**.0010**	**2.796**	**.0055**	**.0074**
Stddev	.0003	.0004	.0003	.0001	.002	.0002	.0009
%RSD	.4571	3.150	12.42	11.58	.0866	3.303	11.74
#1	.0740	.0145	-.0028	.0009	2.794	.0056	.0081
#2	.0745	.0139	-.0023	.0010	2.797	.0054	.0068

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59527.**	**8007.2**	**2158.5**	**2801.4**
Stddev	119.	8.2	4.6	5.5
%RSD	.19916	.10254	.21322	.19728
#1	59443.	8001.4	2155.2	2797.5
#2	59611.	8013.0	2161.7	2805.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 13:21:11 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**1.987**	**1.966**	**2.037**	**1.940**	**1.882**	**2.038**	**2.092**	**.2376**
Stddev	.001	.010	.006	.004	.006	.003	.002	.004	.0002
%RSD	.0524	.5094	.2872	.2208	.3079	.1670	.0831	.1947	.0685
#1	1.983	1.980	1.970	2.040	1.936	1.880	2.036	2.094	.2377
#2	1.984	1.994	1.962	2.034	1.944	1.884	2.039	2.089	.2375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.991**	**2.022**	**2.000**	**2.089**	**2.105**	**2.006**	**1.976**	**40.03**	**39.63**
Stddev	.004	.001	.003	.001	.000	.006	.005	.28	.32
%RSD	.1830	.0676	.1585	.0582	.0150	.2939	.2511	.6942	.8023
#1	1.989	2.023	2.002	2.090	2.105	2.010	1.980	39.83	39.41
#2	1.994	2.021	1.998	2.089	2.105	2.002	1.973	40.22	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	**39.12**	**39.20**	**39.70**	**40.06**	**1.998**	**1.934**	F **1.790**	**4.909**	**1.977**
Stddev	.23	.28	.21	.11	.007	.004	.004	.014	.006
%RSD	.5794	.7222	.5265	.2758	.3594	.1880	.2081	.2903	.3012
#1	38.96	39.00	39.55	39.99	2.003	1.937	1.787	4.919	1.981
#2	39.28	39.40	39.85	40.14	1.993	1.932	1.792	4.899	1.973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							-10.00%		

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 13:21:11 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.991**	**2.023**	**2.041**	**2.026**	**1.918**	**2.027**	**2.031**
Stddev	.005	.001	.021	.000	.007	.008	.004
%RSD	.2604	.0298	1.032	.0074	.3757	.3772	.1829
#1	1.987	2.023	2.026	2.026	1.924	2.033	2.028
#2	1.994	2.022	2.055	2.027	1.913	2.022	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67649.**	**8424.2**	**2492.7**	**3388.2**
Stddev	219.	40.2	7.2	10.8
%RSD	.32373	.47739	.28880	.31954
#1	67804.	8452.6	2487.6	3380.5
#2	67494.	8395.8	2497.7	3395.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 13:27:01 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0000**	**.0002**	**.0002**	**-.0002**	**-.0013**	**.0001**	**-.0005**	**-.0007**
Stddev	.0002	.0000	.0000	.0000	.0004	.0002	.0000	.0001	.0003
%RSD	1291.	89.17	30.20	18.56	184.8	14.93	11.62	22.14	47.34
#1	-.0002	.0000	.0002	.0002	-.0005	-.0015	.0001	-.0005	-.0009
#2	.0001	.0000	.0001	.0002	.0001	-.0012	.0001	-.0004	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0000**	**.0009**	**-.0008**	**-.0002**	**-.0012**	**.0002**	**-.0004**	**-.0077**
Stddev	.0001	.0000	.0007	.0006	.0002	.0014	.0005	.0017	.0029
%RSD	15.36	135.2	79.75	78.07	132.8	118.1	273.6	423.3	37.17
#1	.0005	.0000	.0014	-.0004	-.0003	-.0002	.0006	.0008	-.0057
#2	.0004	.0000	.0004	-.0012	-.0000	-.0022	-.0002	-.0016	-.0097
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**	**-.0132**	**.0375**	**.0730**	**.0000**	**.0008**	**-.0000**	**.0009**	**.0008**
Stddev	.0030	.0367	.0188	.0046	.0006	.0001	.0013	.0010	.0010
%RSD	124.9	279.1	50.06	6.314	86260.	17.37	42830.	108.9	129.5
#1	.0003	.0128	.0508	.0697	.0004	.0009	-.0010	.0002	.0014
#2	.0046	-.0391	.0242	.0762	-.0004	.0007	.0009	.0016	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 13:27:01 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	F **.0362**	**.0017**	**-.0047**	**.0002**	**.0013**
Stddev	.0000	.0005	.0020	.0000	.0025	.0001	.0007
%RSD	101.7	1005.	5.418	2.266	52.23	60.75	52.63
#1	-.0000	-.0004	.0375	.0017	-.0030	.0001	.0008
#2	-.0000	.0003	.0348	.0017	-.0065	.0003	.0018
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291				
Low Limit			-.0291				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**69903.**	**8523.5**	**2594.0**	**3613.4**
Stddev	1.	60.1	5.3	9.3
%RSD	.00092	.70539	.20602	.25665
#1	69904.	8566.0	2590.2	3606.9
#2	69903.	8481.0	2597.7	3620.0

Zoom In Zoom Out

Sample Name: mp79892-s2 Acquired: 6/6/2014 13:33:05 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.258**	**.0521**	**.0529**	**.5296**	**.2030**	**.2608**	**2.576**	**.5673**	**.0639**
Stddev	.022	.0005	.0006	.0049	.0011	.0012	.011	.0054	.0006
%RSD	.9688	.9321	1.110	.9194	.5302	.4714	.4222	.9595	.8648
#1	2.273	.0525	.0533	.5330	.2023	.2617	2.569	.5712	.0635
#2	2.242	.0518	.0525	.5261	.2038	.2599	2.584	.5635	.0643

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5041**	**.5239**	**2.255**	**2.024**	**2.095**	**2.354**	**.5267**	**2.656**	**329.5**
Stddev	.0029	.0056	.024	.019	.018	.019	.0047	.010	1.4
%RSD	.5693	1.074	1.061	.9350	.8654	.8208	.8921	.3742	.4165
#1	.5021	.5279	2.272	2.038	2.108	2.368	.5300	2.663	330.5
#2	.5061	.5199	2.238	2.011	2.083	2.341	.5234	2.649	328.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.361**	**150.4**	**2.041**	**980.0**	**.1567**	**.0011**	**-.0015**	**2.255**	**.0017**
Stddev	.005	.5	.008	9.3	.0012	.0001	.0005	.012	.0003
%RSD	.3361	.3556	.4020	.9535	.7619	5.469	30.00	.5222	15.44
#1	1.364	150.8	2.047	973.4	.1575	.0011	-.0018	2.264	.0015
#2	1.358	150.1	2.035	986.6	.1558	.0011	-.0012	2.247	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0745**	**.0157**	**.0203**	**.0040**	**2.737**	**.0058**	**.0088**
Stddev	.0008	.0001	.0033	.0002	.020	.0002	.0010
%RSD	1.095	.8810	16.35	4.171	.7364	3.954	11.45
#1	.0751	.0156	.0227	.0041	2.751	.0059	.0095
#2	.0739	.0158	.0180	.0038	2.723	.0056	.0081

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59622.**	**7908.9**	**2189.3**	**2835.0**
Stddev	31.	11.7	19.5	22.8
%RSD	.05277	.14840	.88936	.80329
#1	59645.	7900.6	2175.5	2818.9
#2	59600.	7917.2	2203.1	2851.1

Zoom In Zoom Out

Sample Name: jb68325-2a Acquired: 6/6/2014 13:39:01 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1907**	**.0003**	**.0020**	**.0044**	**.0053**	**.0026**	**2.072**	**.0345**	**.0048**
Stddev	.0017	.0002	.0003	.0001	.0003	.0001	.000	.0001	.0002
%RSD	.8825	49.41	17.57	1.858	5.341	2.694	.0178	.3203	5.022
#1	.1919	.0002	.0022	.0043	.0051	.0026	2.073	.0346	.0049
#2	.1895	.0004	.0017	.0044	.0055	.0027	2.072	.0344	.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0025**	**.0114**	**-.0011**	**.0024**	**.0033**	**.0024**	**.0026**	**.4182**	**322.2**
Stddev	.0005	.0000	.0010	.0001	.0006	.0005	.0012	.0024	2.0
%RSD	18.84	.0488	86.95	4.932	17.12	19.09	44.34	.5725	.6241
#1	.0021	.0114	-.0018	.0024	.0037	.0028	.0018	.4165	323.6
#2	.0028	.0114	-.0004	.0023	.0029	.0021	.0034	.4199	320.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3063**	**147.9**	**2.012**	**952.7**	**.1549**	**.0003**	**-.0033**	**2.136**	**.0009**
Stddev	.0010	1.0	.030	10.8	.0004	.0000	.0010	.004	.0001
%RSD	.3327	.6896	1.475	1.132	.2849	9.433	29.87	.2059	7.554
#1	.3056	148.6	2.033	960.4	.1546	.0003	-.0026	2.133	.0009
#2	.3071	147.2	1.991	945.1	.1552	.0002	-.0040	2.140	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0732**	**.0147**	**-.0141**	**-.0005**	**2.772**	**.0055**	**.0076**
Stddev	.0009	.0001	.0022	.0001	.006	.0022	.0007
%RSD	1.237	.3673	15.73	17.31	.2142	40.64	9.282
#1	.0738	.0147	-.0125	-.0004	2.768	.0071	.0081
#2	.0726	.0147	-.0157	-.0005	2.776	.0039	.0071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59552.	7939.1	2173.8	2810.8
Stddev	55.	29.5	1.4	.8
%RSD	.09270	.37118	.06301	.02944
#1	59591.	7918.3	2174.7	2810.2
#2	59513.	7959.9	2172.8	2811.4

Zoom In Zoom Out

Sample Name: mp79892-sd1 Acquired: 6/6/2014 13:45:06 Type: Unk
Method: Accutest1(v355) 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	**.2018**	**-.0002**	**.0028**	**.0040**	**.0068**	**.0008**	**2.228**	**.0354**	**.0026**
Stddev	.0096	.0001	.0001	.0001	.0004	.0002	.001	.0009	.0004
%RSD	4.771	25.12	2.024	3.215	5.180	27.36	.0327	2.560	14.13
#1	.1949	-.0003	.0027	.0039	.0065	.0010	2.227	.0360	.0029
#2	.2086	-.0002	.0028	.0041	.0070	.0007	2.228	.0347	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.0374**	**.0014**	**.0018**	**.0054**	**-.0106**	**.0043**	**.4632**	**353.9**
Stddev	.0001	.0007	.0075	.0070	.0006	.0000	.0052	.0109	17.9
%RSD	3.114	1.789	549.1	397.8	11.13	.2104	121.6	2.355	5.048
#1	.0046	.0370	.0067	.0067	.0050	-.0106	.0080	.4555	341.3
#2	.0048	.0379	-.0039	-.0032	.0059	-.0107	.0006	.4709	366.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3477**	**158.0**	**2.083**	**1205.**	**.1594**	**.0010**	**-.0023**	**2.154**	**-.0027**
Stddev	.0060	8.7	.036	69.	.0029	.0007	.0057	.035	.0025
%RSD	1.724	5.520	1.709	5.733	1.842	78.15	254.9	1.609	92.56
#1	.3519	151.8	2.109	1156.	.1573	.0015	.0018	2.129	-.0044
#2	.3435	164.1	2.058	1253.	.1615	.0004	-.0063	2.178	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0770**	**.0176**	**.0116**	**.0007**	**2.729**	**-.0001**	**.0084**
Stddev	.0039	.0003	.0008	.0001	.028	.0035	.0009
%RSD	5.095	1.495	7.170	17.03	1.036	3610.	11.16
#1	.0742	.0178	.0122	.0008	2.709	.0024	.0091
#2	.0797	.0174	.0110	.0007	2.749	-.0025	.0078

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	65910.	8213.9	2419.5	3253.0
Stddev	209.	340.6	35.6	45.4
%RSD	.31706	4.1462	1.4735	1.3943
#1	65763.	8454.7	2444.7	3285.0
#2	66058.	7973.1	2394.3	3220.9

Zoom In Zoom Out

Sample Name: jb68304-1 Acquired: 6/6/2014 13:51:13 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1088**	**.0010**	**.0015**	**.0468**	**.0773**	**.0116**	**1.635**	**.0450**	**.0064**
Stddev	.0002	.0001	.0001	.0002	.0003	.0003	.007	.0003	.0002
%RSD	.1690	10.71	4.182	.3259	.4432	2.574	.4105	.6104	2.542
#1	.1087	.0010	.0015	.0467	.0770	.0114	1.631	.0452	.0062
#2	.1089	.0011	.0016	.0469	.0775	.0118	1.640	.0448	.0065

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0669**	**.0007**	**.0022**	**.0190**	**.0057**	**.0012**	**.6625**	**553.9**
Stddev	.0003	.0001	.0009	.0005	.0003	.0013	.0000	.0158	2.7
%RSD	18.71	.1915	141.9	21.57	1.555	23.04	2.470	2.384	.4834
#1	.0016	.0670	-.0000	.0025	.0192	.0048	.0011	.6736	552.0
#2	.0020	.0668	.0013	.0018	.0188	.0066	.0012	.6513	555.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4296**	**11.56**	**11.07**	**967.0**	**.2158**	**-.0001**	**.0616**	**13.82**	**-.0007**
Stddev	.0025	.05	.04	8.8	.0010	.0002	.0000	.07	.0001
%RSD	.5934	.4191	.3724	.9052	.4537	182.5	.0725	.5089	7.213
#1	.4278	11.60	11.10	960.8	.2151	-.0002	.0616	13.87	-.0008
#2	.4314	11.53	11.04	973.2	.2165	.0000	.0615	13.77	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.603**	**.0066**	**-.0387**	**-.0226**	**323.5**	**.0095**	**.0103**
Stddev	.001	.0001	.0014	.0001	1.6	.0009	.0004
%RSD	.0303	1.037	3.580	.2357	.4892	10.02	3.975
#1	2.603	.0066	-.0377	-.0226	324.6	.0101	.0106
#2	2.602	.0065	-.0397	-.0227	322.3	.0088	.0100

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61683.**	**8129.5**	**2242.3**	**2848.8**
Stddev	299.	24.2	8.8	9.1
%RSD	.48418	.29740	.39311	.31964
#1	61894.	8146.6	2236.1	2842.3
#2	61472.	8112.4	2248.5	2855.2

Zoom In Zoom Out

Sample Name: jb68270-6ab Acquired: 6/6/2014 13:57:21 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4173**	**.0010**	**.0058**	**.0228**	**.0016**	**.0151**	**3.594**	**.0266**	**.0001**
Stddev	.0003	.0001	.0001	.0001	.0000	.0003	.006	.0001	.0001
%RSD	.0745	8.435	2.407	.3787	1.387	1.930	.1666	.2258	162.2
#1	.4170	.0011	.0057	.0228	.0016	.0153	3.590	.0266	-.0000
#2	.4175	.0010	.0059	.0229	.0016	.0149	3.598	.0267	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0033**	**.1231**	**.0065**	**-.0022**	**.0332**	**.0013**	**.0036**	**.5904**	**54.96**
Stddev	.0002	.0001	.0004	.0012	.0022	.0033	.0007	.0027	.28
%RSD	6.300	.1079	6.506	52.93	6.499	246.1	19.36	.4589	.5079
#1	.0035	.1230	.0068	-.0014	.0317	-.0010	.0031	.5884	54.77
#2	.0032	.1232	.0062	-.0030	.0347	.0037	.0041	.5923	55.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.271**	**11.58**	**3.091**	**960.2**	**.2269**	**-.0000**	**.0023**	**3.464**	**.0007**
Stddev	.001	.10	.042	1.0	.0011	.0002	.0006	.007	.0005
%RSD	.0215	.8403	1.346	.1054	.4639	397.0	26.75	.2160	62.62
#1	2.272	11.51	3.061	960.9	.2262	.0001	.0028	3.459	.0004
#2	2.271	11.65	3.120	959.4	.2277	-.0001	.0019	3.470	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2550**	**.0078**	**.0170**	**-.0017**	**1.295**	**-.0009**	**.0043**
Stddev	.0000	.0005	.0001	.0001	.003	.0017	.0008
%RSD	.0166	6.183	.6476	5.814	.2329	179.5	18.54
#1	.2550	.0075	.0171	-.0016	1.293	.0002	.0048
#2	.2550	.0081	.0170	-.0018	1.297	-.0021	.0037

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61436.**	**7973.6**	**2297.5**	**2968.0**
Stddev	30.	42.6	.2	2.2
%RSD	.04857	.53387	.00802	.07443
#1	61457.	8003.7	2297.4	2966.4
#2	61415.	7943.5	2297.7	2969.6

Zoom In Zoom Out

Sample Name: jb68359-6ab Acquired: 6/6/2014 14:03:27 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1058**	**.0006**	**.0008**	**.0232**	**.0010**	**.0015**	**.2736**	**.0187**	**-.0001**
Stddev	.0028	.0000	.0001	.0001	.0003	.0002	.0011	.0001	.0001
%RSD	2.636	.3814	8.912	.2398	33.87	15.45	.4109	.3133	76.54
#1	.1078	.0006	.0008	.0232	.0007	.0016	.2744	.0187	-.0000
#2	.1038	.0006	.0007	.0233	.0012	.0013	.2728	.0187	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0031**	**.0688**	**.0011**	**-.0007**	**.0059**	**-.0002**	**.0015**	**.2084**	**16.65**
Stddev	.0002	.0001	.0005	.0002	.0008	.0005	.0009	.0023	.42
%RSD	5.748	.1426	46.29	24.52	12.92	262.1	58.72	1.126	2.533
#1	.0032	.0688	.0015	-.0009	.0065	.0002	.0008	.2101	16.95
#2	.0030	.0689	.0007	-.0006	.0054	-.0005	.0021	.2067	16.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1445**	**4.628**	**2.893**	**959.6**	**.0222**	**.0001**	**.0011**	**2.024**	**.0004**
Stddev	.0003	.098	.035	39.4	.0001	.0000	.0001	.013	.0003
%RSD	.1961	2.126	1.208	4.108	.5811	36.47	5.532	.6589	69.41
#1	.1447	4.697	2.918	987.4	.0223	.0001	.0011	2.015	.0006
#2	.1443	4.558	2.868	931.7	.0221	.0002	.0010	2.034	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1178**	**.0019**	**.0159**	**-.0012**	**1.700**	**-.0008**	**.0049**
Stddev	.0029	.0002	.0001	.0001	.004	.0010	.0001
%RSD	2.449	9.296	.7379	11.75	.2343	132.3	1.849
#1	.1199	.0018	.0160	-.0011	1.697	-.0000	.0049
#2	.1158	.0020	.0158	-.0013	1.703	-.0015	.0048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61131.**	**7963.4**	**2304.5**	**2997.2**
Stddev	43.	157.2	11.6	7.6
%RSD	.07067	1.9734	.50466	.25388
#1	61101.	7852.2	2312.7	3002.6
#2	61162.	8074.5	2296.3	2991.8

Zoom In Zoom Out

Sample Name: jb68359-12ab Acquired: 6/6/2014 14:09:34 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1023**	**.0003**	**.0007**	**.0568**	**.0033**	**.0013**	**.1223**	**.0211**	**-.0009**
Stddev	.0005	.0000	.0000	.0003	.0004	.0001	.0021	.0001	.0009
%RSD	.4409	3.212	1.006	.4407	10.75	7.505	1.739	.6381	108.7
#1	.1026	.0003	.0007	.0566	.0035	.0012	.1208	.0210	-.0002
#2	.1020	.0003	.0007	.0570	.0030	.0013	.1238	.0212	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0580**	**-.0005**	**-.0014**	**.0071**	**.0006**	**.0007**	**.5262**	**6.749**
Stddev	.0002	.0004	.0007	.0005	.0002	.0013	.0003	.0046	.060
%RSD	26.82	.7382	138.0	37.75	3.309	235.3	43.69	.8772	.8934
#1	.0010	.0577	-.0010	-.0010	.0072	-.0004	.0005	.5294	6.792
#2	.0007	.0583	-.0000	-.0017	.0069	.0015	.0009	.5229	6.706

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1320**	**4.944**	**4.408**	**949.6**	**.0156**	**.0003**	**.0005**	**1.096**	**.0011**
Stddev	.0023	.046	.024	14.8	.0003	.0000	.0010	.003	.0006
%RSD	1.730	.9306	.5441	1.559	2.196	14.69	191.0	.2392	57.75
#1	.1304	4.977	4.425	960.1	.0158	.0003	-.0002	1.094	.0006
#2	.1337	4.912	4.391	939.1	.0153	.0002	.0012	1.097	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0646**	**.0026**	**.0129**	**-.0002**	**1.162**	**-.0011**	**.0031**
Stddev	.0004	.0006	.0015	.0001	.002	.0016	.0003
%RSD	.6475	22.49	11.47	28.06	.1651	148.8	10.93
#1	.0649	.0022	.0140	-.0002	1.161	.0001	.0034
#2	.0643	.0031	.0119	-.0003	1.164	-.0022	.0029

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60645.**	**7959.2**	**2333.3**	**3031.2**
Stddev	862.	56.9	.8	3.1
%RSD	1.4215	.71544	.03627	.10385
#1	61255.	7918.9	2333.9	3033.4
#2	60035.	7999.4	2332.7	3029.0

Zoom In Zoom Out

Sample Name: jb68359-18ab Acquired: 6/6/2014 14:15:41 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1620**	**.0002**	**.0004**	**.0342**	**.0021**	**.0064**	**.2695**	**.0173**	**-.0009**
Stddev	.0004	.0001	.0003	.0002	.0002	.0001	.0003	.0004	.0005
%RSD	.2283	26.78	77.12	.4417	10.28	1.507	.1291	2.269	53.73
#1	.1622	.0002	.0006	.0340	.0020	.0063	.2693	.0176	-.0013
#2	.1617	.0003	.0002	.0343	.0023	.0065	.2697	.0170	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.1077**	**.0028**	**-.0014**	**.0176**	**.0001**	**.0006**	**.4160**	**24.73**
Stddev	.0002	.0001	.0002	.0003	.0001	.0025	.0005	.0002	.19
%RSD	31.46	.0829	6.195	24.05	.3401	3456.	86.43	.0451	.7565
#1	.0007	.1076	.0029	-.0012	.0175	-.0017	.0010	.4162	24.60
#2	.0004	.1077	.0027	-.0017	.0176	.0018	.0002	.4159	24.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.115**	**6.495**	**6.584**	**964.9**	**.0390**	**.0002**	**.0020**	**3.538**	**.0008**
Stddev	.008	.067	.001	.1	.0007	.0002	.0011	.010	.0005
%RSD	.1871	1.025	.0199	.0120	1.896	104.6	56.87	.2790	59.57
#1	4.110	6.448	6.583	965.0	.0396	.0003	.0027	3.545	.0005
#2	4.121	6.542	6.585	964.8	.0385	.0000	.0012	3.531	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2019**	**.0016**	**.0117**	**-.0027**	**4.273**	**-.0019**	**.0080**
Stddev	.0001	.0001	.0007	.0002	.021	.0008	.0003
%RSD	.0366	5.046	5.940	6.200	.4850	42.12	3.777
#1	.2019	.0017	.0122	-.0025	4.288	-.0025	.0078
#2	.2018	.0016	.0112	-.0028	4.258	-.0013	.0082

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61798.**	**7880.0**	**2320.3**	**3031.2**
Stddev	17.	52.1	4.7	3.3
%RSD	.02771	.66145	.20055	.10768
#1	61786.	7916.9	2317.0	3028.9
#2	61810.	7843.1	2323.6	3033.5

Zoom In Zoom Out

Sample Name: jb68359-24ab Acquired: 6/6/2014 14:21:47 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1235**	**.0003**	**.0007**	**.0244**	**.0009**	**.0059**	**.2722**	**.0144**	**-.0005**
Stddev	.0004	.0000	.0002	.0007	.0002	.0007	.0001	.0008	.0004
%RSD	.3116	13.65	23.58	2.985	23.77	11.28	.0289	5.812	77.66
#1	.1232	.0002	.0006	.0249	.0007	.0064	.2722	.0150	-.0002
#2	.1237	.0003	.0008	.0239	.0010	.0055	.2723	.0138	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.1336**	**.0003**	**-.0008**	**.0771**	**.0018**	**.0007**	**.5076**	**26.15**
Stddev	.0001	.0041	.0006	.0012	.0022	.0010	.0001	.0075	.18
%RSD	35.49	3.096	188.2	138.7	2.827	55.92	12.04	1.479	.6717
#1	.0002	.1365	.0008	-.0017	.0786	.0025	.0008	.5129	26.03
#2	.0003	.1307	-.0001	-.0000	.0755	.0011	.0006	.5023	26.28

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0169**	**4.873**	**6.289**	**966.9**	**.0553**	**-.0001**	**.0033**	**2.466**	**.0009**
Stddev	.0009	.003	.031	4.1	.0015	.0002	.0006	.070	.0000
%RSD	5.582	.0639	.4975	.4286	2.651	268.6	18.17	2.827	.2257
#1	.0176	4.875	6.267	969.8	.0563	.0001	.0038	2.515	.0009
#2	.0163	4.871	6.311	964.0	.0542	-.0002	.0029	2.417	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2234**	**-.0000**	**.0094**	**-.0021**	**7.563**	**-.0012**	**.0064**
Stddev	.0001	.0000	.0012	.0002	.220	.0008	.0006
%RSD	.0533	45.52	12.91	9.688	2.902	65.57	9.821
#1	.2235	-.0000	.0103	-.0022	7.719	-.0006	.0069
#2	.2234	-.0001	.0086	-.0019	7.408	-.0017	.0060

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61972.**	**7832.8**	**2305.7**	**3012.5**
Stddev	81.	30.9	55.0	69.6
%RSD	.13092	.39461	2.3859	2.3105
#1	61914.	7854.6	2266.8	2963.3
#2	62029.	7810.9	2344.6	3061.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 14:27:54 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**1.973**	**1.963**	**2.041**	**1.921**	**1.889**	**2.034**	**2.100**	**.2368**
Stddev	.002	.003	.001	.002	.003	.000	.006	.004	.0004
%RSD	.0755	.1716	.0624	.1146	.1373	.0083	.2939	.1910	.1668
#1	2.006	1.971	1.964	2.042	1.922	1.890	2.038	2.103	.2371
#2	2.004	1.976	1.962	2.039	1.919	1.889	2.029	2.097	.2366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.989**	**2.023**	**2.004**	**2.092**	**2.114**	**2.010**	**1.975**	**40.20**	**39.32**
Stddev	.005	.006	.001	.002	.001	.003	.003	.10	.15
%RSD	.2603	.3201	.0356	.0880	.0372	.1651	.1692	.2545	.3715
#1	1.993	2.027	2.004	2.093	2.115	2.012	1.978	40.13	39.22
#2	1.985	2.018	2.005	2.090	2.114	2.007	1.973	40.28	39.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.48**	**38.79**	**40.89**	**40.91**	**1.996**	**1.926**	F **1.784**	**4.916**	**1.973**
Stddev	.14	.14	.04	.11	.001	.002	.004	.006	.006
%RSD	.3572	.3687	.0878	.2729	.0485	.1250	.2254	.1167	.2829
#1	38.38	38.69	40.86	40.99	1.995	1.928	1.787	4.920	1.977
#2	38.58	38.89	40.91	40.83	1.997	1.924	1.781	4.912	1.969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							-10.00%		

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 14:27:54 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.023**	**2.049**	**2.027**	**1.919**	**2.039**	**2.102**
Stddev	.000	.005	.017	.004	.002	.001	.012
%RSD	.0034	.2595	.8503	.1731	.1009	.0375	.5606
#1	1.996	2.026	2.037	2.030	1.920	2.038	2.110
#2	1.996	2.019	2.061	2.025	1.918	2.039	2.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67739.**	**8071.8**	**2504.9**	**3394.3**
Stddev	278.	15.4	1.1	2.5
%RSD	.41035	.19092	.04517	.07230
#1	67542.	8082.7	2504.1	3392.5
#2	67935.	8060.9	2505.7	3396.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 14:33:44 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0001**	**.0000**	**-.0001**	**-.0017**	**.0000**	**-.0001**	**-.0003**
Stddev	.0001	.0001	.0002	.0000	.0002	.0006	.0000	.0003	.0001
%RSD	205.3	187.3	172.0	113.4	215.0	36.59	54.74	291.0	41.67
#1	.0001	.0001	-.0002	.0000	.0001	-.0022	.0000	-.0003	-.0003
#2	-.0000	-.0000	.0000	.0001	-.0003	-.0013	.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	**.0004**	**-.0000**	**.0011**	**-.0006**	**.0002**	**-.0024**	**.0005**	**.0010**	**-.0146**
Stddev	.0001	.0001	.0005	.0002	.0001	.0022	.0002	.0104	.0014
%RSD	15.39	245.5	48.40	39.51	47.57	94.00	30.89	1004.	9.670
#1	.0004	.0000	.0015	-.0008	.0001	-.0039	.0004	.0084	-.0156
#2	.0004	-.0001	.0007	-.0005	.0002	-.0008	.0007	-.0063	-.0136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.0205**	**.0342**	**.1325**	**.0003**	**.0007**	**-.0017**	**.0028**	**.0002**
Stddev	.0001	.0198	.0196	.0116	.0005	.0000	.0012	.0000	.0001
%RSD	1.858	96.59	57.32	8.720	178.2	.3148	70.18	1.376	39.26
#1	.0047	.0345	.0203	.1407	.0007	.0007	-.0009	.0028	.0001
#2	.0048	.0065	.0481	.1243	-.0001	.0007	-.0026	.0028	.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: 6/6/2014 14:33:44 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	F **.0316**	**.0015**	**-.0037**	**.0001**	**.0003**
Stddev	.0001	.0002	.0019	.0001	.0001	.0011	.0006
%RSD	805.2	97.74	5.925	3.913	2.556	1713.	240.0
#1	.0001	-.0001	.0329	.0015	-.0036	.0009	.0007
#2	-.0001	-.0004	.0303	.0014	-.0037	-.0007	-.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291				
Low Limit			-.0291				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71135.**	**8386.4**	**2596.0**	**3600.8**
Stddev	848.	424.1	8.0	12.4
%RSD	1.1919	5.0568	.30640	.34427
#1	71734.	8086.6	2601.7	3609.5
#2	70535.	8686.3	2590.4	3592.0

Zoom In Zoom Out

Sample Name: jb68359-30ab Acquired: 6/6/2014 14:39:50 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1222**	**.0001**	**.0005**	**.0075**	**.0043**	**.0015**	**.1143**	**.0041**	**-.0008**
Stddev	.0000	.0000	.0002	.0001	.0003	.0008	.0004	.0001	.0002
%RSD	.0290	70.02	32.05	1.469	6.230	54.34	.3168	2.651	25.89
#1	.1222	.0000	.0006	.0076	.0041	.0009	.1146	.0040	-.0010
#2	.1222	.0001	.0004	.0074	.0045	.0021	.1141	.0042	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**.0309**	**.0028**	**-.0029**	**.0014**	**.0004**	**.0000**	**.4873**	**5.772**
Stddev	.0000	.0001	.0016	.0014	.0004	.0039	.0006	.0095	.001
%RSD	1.199	.2531	55.95	48.69	28.07	867.0	1403.	1.940	.0213
#1	.0021	.0310	.0039	-.0039	.0011	-.0023	-.0004	.4940	5.771
#2	.0021	.0309	.0017	-.0019	.0016	.0032	.0005	.4806	5.773

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.518**	**1.066**	**2.159**	**996.8**	**.1673**	**.0010**	**.0018**	**3.183**	**.0019**
Stddev	.002	.058	.021	10.9	.0000	.0001	.0008	.015	.0003
%RSD	.1043	5.434	.9653	1.090	.0093	9.235	45.68	.4680	17.73
#1	1.517	1.026	2.173	1005.	.1673	.0010	.0023	3.193	.0021
#2	1.519	1.107	2.144	989.1	.1673	.0009	.0012	3.172	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0360**	**.0047**	**.0382**	**-.0003**	**.4784**	**.0006**	**.0028**
Stddev	.0000	.0001	.0031	.0002	.0025	.0009	.0005
%RSD	.0444	1.134	8.112	65.38	.5121	157.9	19.30
#1	.0360	.0047	.0403	-.0001	.4767	-.0001	.0032
#2	.0360	.0048	.0360	-.0004	.4801	.0012	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61989.**	**7855.5**	**2323.2**	**3018.3**
Stddev	79.	15.6	6.1	6.4
%RSD	.12668	.19799	.26293	.21115
#1	62045.	7844.5	2318.8	3013.8
#2	61934.	7866.5	2327.5	3022.8

Zoom In Zoom Out

Sample Name: jb68359-54ab Acquired: 6/6/2014 14:45:59 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1700**	**.0003**	**.0007**	**.0862**	**.0059**	**.0085**	**.3407**	**.0389**	**-.0007**
Stddev	.0009	.0000	.0000	.0006	.0002	.0000	.0001	.0004	.0005
%RSD	.5540	10.11	3.060	.7372	2.602	.3240	.0226	1.091	81.99
#1	.1707	.0003	.0007	.0866	.0061	.0085	.3407	.0392	-.0010
#2	.1693	.0002	.0007	.0857	.0058	.0085	.3408	.0386	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0026**	**.2248**	**.0111**	**-.0044**	**.0265**	**-.0013**	**.0009**	**.5119**	**10.62**
Stddev	.0001	.0015	.0006	.0005	.0005	.0004	.0013	.0091	.01
%RSD	2.874	.6819	5.448	10.81	2.069	33.86	140.1	1.786	.0776
#1	.0026	.2259	.0116	-.0047	.0269	-.0016	.0000	.5054	10.61
#2	.0025	.2237	.0107	-.0041	.0261	-.0010	.0019	.5184	10.62

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.488**	**2.088**	**2.063**	**984.0**	**.2597**	**.0021**	**.0008**	**1.720**	**.0013**
Stddev	.020	.023	.035	13.0	.0011	.0001	.0007	.003	.0007
%RSD	.5819	1.107	1.674	1.325	.4417	2.788	90.64	.1923	53.75
#1	3.474	2.071	2.088	974.7	.2606	.0021	.0003	1.723	.0008
#2	3.503	2.104	2.039	993.2	.2589	.0021	.0013	1.718	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0529**	**.0039**	**.0278**	**.0007**	**1.040**	**-.0013**	**.0030**
Stddev	.0002	.0002	.0024	.0002	.002	.0014	.0006
%RSD	.3066	5.305	8.674	33.38	.2254	112.3	19.24
#1	.0530	.0041	.0295	.0008	1.041	-.0023	.0034
#2	.0528	.0038	.0261	.0005	1.038	-.0003	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61906.**	**7830.2**	**2332.7**	**3037.9**
Stddev	69.	61.8	11.7	18.0
%RSD	.11098	.78876	.50291	.59135
#1	61954.	7873.9	2324.5	3025.2
#2	61857.	7786.5	2341.0	3050.6

Zoom In Zoom Out

Sample Name: jb68359-60ab Acquired: 6/6/2014 14:52:04 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1118**	**.0004**	**.0005**	**.0627**	**.0034**	**.0042**	**.4655**	**.0170**	**-.0005**
Stddev	.0001	.0001	.0001	.0005	.0000	.0001	.0002	.0004	.0001
%RSD	.0639	31.46	12.23	.7960	.1252	3.095	.0459	2.528	18.96
#1	.1118	.0003	.0005	.0630	.0033	.0043	.4657	.0167	-.0004
#2	.1119	.0005	.0006	.0623	.0034	.0041	.4653	.0173	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0028**	**.0923**	**.0053**	**-.0010**	**.0321**	**.0001**	**-.0001**	**.5481**	**17.20**
Stddev	.0001	.0005	.0003	.0002	.0000	.0014	.0010	.0095	.02
%RSD	3.095	.5498	5.187	18.45	.1004	1503.	866.2	1.726	.1122
#1	.0028	.0926	.0055	-.0009	.0321	.0011	.0006	.5414	17.21
#2	.0029	.0919	.0051	-.0011	.0321	-.0009	-.0008	.5548	17.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.840**	**7.217**	**5.268**	**893.4**	**.2582**	**.0002**	**.0040**	**2.578**	**.0007**
Stddev	.004	.058	.004	14.0	.0002	.0001	.0009	.001	.0001
%RSD	.1990	.8028	.0849	1.564	.0660	37.77	22.11	.0276	18.91
#1	1.843	7.258	5.265	903.3	.2581	.0002	.0033	2.578	.0008
#2	1.838	7.176	5.271	883.5	.2583	.0001	.0046	2.579	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0673**	**.0071**	**.0185**	**-.0011**	**1.327**	**-.0004**	**.0030**
Stddev	.0000	.0003	.0004	.0002	.006	.0002	.0009
%RSD	.0211	3.811	1.911	19.52	.4600	61.66	29.20
#1	.0673	.0069	.0188	-.0012	1.331	-.0005	.0037
#2	.0673	.0073	.0183	-.0009	1.323	-.0002	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62175.**	**7768.0**	**2326.7**	**3034.8**
Stddev	74.	12.9	2.7	3.5
%RSD	.11932	.16567	.11801	.11449
#1	62123.	7758.9	2328.6	3037.2
#2	62228.	7777.1	2324.7	3032.3

Zoom In Zoom Out

Sample Name: jb68359-66ab Acquired: 6/6/2014 14:58:08 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0794**	**.0002**	**.0004**	**.0061**	**.0016**	**.0022**	**.0462**	**.0043**	**-.0008**
Stddev	.0002	.0000	.0000	.0000	.0001	.0004	.0002	.0001	.0005
%RSD	.3142	13.87	7.160	.2239	6.554	16.42	.4246	1.722	59.09
#1	.0795	.0002	.0004	.0061	.0015	.0024	.0464	.0044	-.0012
#2	.0792	.0001	.0005	.0061	.0016	.0019	.0461	.0043	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.4332**	**.0040**	**-.0026**	**.0127**	**.0014**	**.0004**	**.2968**	**2.299**
Stddev	.0001	.0007	.0009	.0008	.0002	.0030	.0010	.0099	.018
%RSD	5.962	.1606	22.27	31.48	1.895	221.0	267.7	3.343	.7987
#1	.0009	.4327	.0046	-.0020	.0129	.0035	-.0003	.3038	2.312
#2	.0009	.4337	.0034	-.0031	.0125	-.0008	.0010	.2898	2.286

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.253**	**2.161**	**2.195**	**969.9**	**.0773**	**.0005**	**.0033**	**.9711**	**.0015**
Stddev	.073	.004	.001	6.9	.0006	.0000	.0013	.0032	.0004
%RSD	.8893	.1893	.0546	.7120	.8272	2.505	38.89	.3263	23.56
#1	8.304	2.164	2.194	974.8	.0768	.0005	.0042	.9689	.0013
#2	8.201	2.158	2.196	965.1	.0777	.0004	.0024	.9733	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0236**	**.0014**	**.0190**	**.0002**	**1.048**	**-.0002**	**.0025**
Stddev	.0003	.0000	.0000	.0001	.003	.0022	.0009
%RSD	1.087	1.392	.0065	62.98	.3163	1016.	35.61
#1	.0238	.0014	.0190	.0001	1.046	.0013	.0031
#2	.0234	.0014	.0190	.0003	1.051	-.0018	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61843.**	**7704.3**	**2328.8**	**3029.7**
Stddev	46.	18.3	.0	.7
%RSD	.07382	.23696	.00160	.02165
#1	61875.	7691.4	2328.7	3030.1
#2	61810.	7717.2	2328.8	3029.2

Zoom In Zoom Out

Sample Name: jb68359-72ab Acquired: 6/6/2014 15:04:14 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4024**	**.0001**	**.0020**	**.0020**	**.0008**	**.0231**	**.1009**	**.0060**	**-.0002**
Stddev	.0048	.0001	.0000	.0002	.0000	.0001	.0001	.0002	.0006
%RSD	1.181	150.3	1.581	11.76	3.733	.2909	.1131	2.900	250.8
#1	.4057	-.0000	.0020	.0018	.0008	.0231	.1008	.0061	-.0006
#2	.3990	.0002	.0020	.0021	.0008	.0230	.1010	.0059	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.3356**	**.0003**	**-.0020**	**.1085**	**-.0008**	**.0017**	**.0637**	**24.08**
Stddev	.0000	.0006	.0007	.0001	.0003	.0013	.0003	.0040	.23
%RSD	2.510	.1656	204.2	4.422	.3093	161.7	20.82	6.346	.9535
#1	.0008	.3360	-.0002	-.0019	.1087	-.0017	.0019	.0608	24.24
#2	.0008	.3352	.0009	-.0021	.1082	.0001	.0014	.0665	23.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0360**	**4.480**	**2.473**	**985.2**	**.0488**	**.0001**	**.0019**	**2.364**	**.0015**
Stddev	.0006	.095	.018	.4	.0006	.0004	.0013	.002	.0003
%RSD	1.735	2.123	.7417	.0361	1.306	636.4	68.24	.0820	17.80
#1	.0364	4.547	2.486	984.9	.0483	.0004	.0028	2.365	.0013
#2	.0355	4.413	2.460	985.4	.0492	-.0002	.0010	2.362	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1756**	**.0002**	**.0167**	**-.0014**	**.4881**	**-.0008**	**.0086**
Stddev	.0020	.0000	.0008	.0001	.0010	.0008	.0005
%RSD	1.128	17.36	4.852	5.694	.1974	108.6	5.979
#1	.1770	.0002	.0161	-.0015	.4874	-.0014	.0090
#2	.1742	.0002	.0173	-.0014	.4888	-.0002	.0083

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61377.**	**7658.9**	**2299.4**	**2976.7**
Stddev	29.	51.0	4.3	3.0
%RSD	.04715	.66639	.18787	.09932
#1	61356.	7622.8	2296.3	2974.6
#2	61397.	7695.0	2302.5	2978.8

Zoom In Zoom Out

Sample Name: jb68359-78abconf Acquired: 6/6/2014 15:10:19 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0797**	**.0002**	**.0004**	**.0085**	**.0018**	**.0017**	**.0280**	**.0072**	**.0003**
Stddev	.0000	.0001	.0000	.0000	.0000	.0003	.0000	.0003	.0004
%RSD	.0198	51.42	11.81	.3170	.3818	15.28	.0046	4.703	132.0
#1	.0798	.0002	.0004	.0085	.0018	.0019	.0280	.0074	.0006
#2	.0797	.0001	.0003	.0086	.0018	.0015	.0280	.0069	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.1786**	**.0011**	**-.0017**	**.0069**	**.0018**	**.0009**	**.3037**	**12.12**
Stddev	.0000	.0001	.0008	.0010	.0013	.0010	.0002	.0178	.08
%RSD	1.215	.0384	70.79	59.21	18.62	57.19	24.58	5.857	.6206
#1	.0006	.1786	.0017	-.0010	.0060	.0011	.0010	.2911	12.07
#2	.0006	.1787	.0006	-.0024	.0079	.0025	.0007	.3163	12.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1093**	**2.853**	**1.325**	**978.1**	**.1638**	**.0003**	**.0005**	**1.361**	**.0008**
Stddev	.0044	.025	.024	5.6	.0011	.0002	.0010	.001	.0007
%RSD	4.028	.8731	1.808	.5728	.6705	52.01	215.9	.0336	85.08
#1	.1062	2.836	1.308	974.1	.1646	.0002	.0012	1.360	.0013
#2	.1124	2.871	1.342	982.0	.1630	.0004	-.0002	1.361	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0619**	**.0013**	**.0137**	**-.0004**	**3.419**	**-.0018**	**.0029**
Stddev	.0000	.0000	.0005	.0001	.016	.0004	.0002
%RSD	.0698	3.352	3.596	18.74	.4619	19.90	8.371
#1	.0619	.0013	.0140	-.0003	3.430	-.0021	.0030
#2	.0618	.0012	.0133	-.0004	3.408	-.0016	.0027

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61480.**	**7673.0**	**2309.6**	**3012.9**
Stddev	34.	24.9	5.8	7.0
%RSD	.05611	.32436	.25204	.23151
#1	61505.	7690.6	2305.5	3008.0
#2	61456.	7655.4	2313.7	3017.9

Zoom In Zoom Out

Sample Name: mp79815-mb1conf Acquired: 6/6/2014 15:16:38 Type: Unk
Method: Accutest1(v355) Mode: CONC 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**	**-.0003**	**-.0016**	**.0000**	**-.0003**	**-.0004**
Stddev	.0001	.0001	.0001	.0001	.0003	.0000	.0000	.0001	.0005
%RSD	83.86	65.72	134.7	34.99	85.65	3.114	48.33	17.46	125.6
#1	.0002	-.0002	.0002	-.0001	-.0005	-.0016	.0000	-.0004	-.0008
#2	.0001	-.0001	.0000	-.0002	-.0001	-.0015	.0000	-.0003	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0000**	**-.0011**	**.0006**	**.0006**	**-.0006**	**-.0005**	**-.0032**	**-.0104**
Stddev	.0003	.0000	.0002	.0007	.0004	.0003	.0002	.0098	.0019
%RSD	499.4	16.71	17.47	121.8	67.89	48.43	40.83	301.1	18.54
#1	.0001	-.0000	-.0013	.0011	.0003	-.0008	-.0004	-.0101	-.0117
#2	-.0002	-.0000	-.0010	.0001	.0009	-.0004	-.0007	.0037	-.0090

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0040**	**.0003**	**.0339**	**.2755**	**.0002**	**-.0001**	**-.0015**	**.0053**	**.0002**
Stddev	.0051	.0426	.0015	.0081	.0001	.0000	.0009	.0006	.0004
%RSD	127.4	14470.	4.474	2.935	59.53	34.97	60.79	11.92	248.3
#1	.0004	.0304	.0350	.2812	.0003	-.0002	-.0009	.0057	.0004
#2	.0076	-.0298	.0329	.2698	.0001	-.0001	-.0022	.0048	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0004**	**.0040**	**.0001**	**-.0039**	**-.0011**	**.0005**
Stddev	.0000	.0003	.0003	.0001	.0014	.0016	.0006
%RSD	123.7	67.32	8.148	58.71	36.69	150.3	109.9
#1	-.0000	-.0002	.0042	.0001	-.0049	.0001	.0009
#2	-.0000	-.0006	.0038	.0001	-.0029	-.0022	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70086.**	**8001.7**	**2601.4**	**3611.1**
Stddev	269.	55.2	1.7	7.4
%RSD	.38358	.68995	.06643	.20506
#1	69896.	7962.6	2600.2	3605.8
#2	70276.	8040.7	2602.6	3616.3

Zoom In Zoom Out

Sample Name: jb67912-12a Acquired: 6/6/2014 15:22:44 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4125**	**.0007**	**.0013**	**.0045**	**.0144**	**.0277**	**1.538**	**.0107**	**-.0011**
Stddev	.0007	.0002	.0000	.0000	.0005	.0000	.013	.0004	.0012
%RSD	.1689	25.81	2.005	.6524	3.416	.1192	.8625	3.766	105.0
#1	.4120	.0008	.0013	.0045	.0141	.0277	1.528	.0105	-.0003
#2	.4130	.0006	.0013	.0045	.0148	.0278	1.547	.0110	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0222**	**.2142**	**.0196**	**.0015**	**.5053**	**.0104**	**.0023**	**8.506**	**121.8**
Stddev	.0000	.0020	.0001	.0001	.0047	.0014	.0008	.017	.4
%RSD	.1794	.9311	.6784	6.023	.9399	13.54	34.57	.1976	.2961
#1	.0221	.2128	.0195	.0015	.5019	.0094	.0028	8.518	122.1
#2	.0222	.2156	.0196	.0014	.5087	.0114	.0017	8.494	121.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.40**	**17.46**	**19.54**	**105.1**	**.2123**	**.0034**	**.0236**	**27.09**	**.0033**
Stddev	.08	.06	.02	.0	.0042	.0002	.0002	.43	.0000
%RSD	.1551	.3581	.0799	.0392	1.986	5.698	.8193	1.576	.4806
#1	48.45	17.50	19.55	105.1	.2093	.0033	.0237	26.79	.0033
#2	48.35	17.41	19.53	105.2	.2153	.0035	.0235	27.39	.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6355**	**.3526**	**.0191**	**-.0188**	**1.180**	**.0038**	**.1136**
Stddev	.0000	.0025	.0020	.0003	.014	.0012	.0011
%RSD	.0033	.6987	10.52	1.469	1.192	31.24	.9339
#1	.6355	.3509	.0177	-.0186	1.170	.0046	.1128
#2	.6355	.3543	.0206	-.0190	1.190	.0030	.1143

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**65971.**	**7878.5**	**2451.9**	**3337.0**
Stddev	488.	20.2	35.6	45.4
%RSD	.73922	.25590	1.4531	1.3609
#1	66316.	7864.3	2477.1	3369.2
#2	65626.	7892.8	2426.7	3304.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 15:37:14 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.0010**	**.0011**	**.0031**	**.0016**	F **.0002**	**.0033**	**.0044**
Stddev	.0002	.0000	.0001	.0000	.0001	.0002	.0000	.0000
%RSD	5.657	4.448	8.050	.2804	3.437	99.24	1.289	.3634
#1	.0045	.0011	.0011	.0031	.0015	.0001	.0032	.0044
#2	.0042	.0010	.0012	.0031	.0016	.0003	.0033	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value						.0020		
Range						-30.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0023**	F **.0132**	**.0036**	**.0025**	**.0032**	**.0057**	**.0036**
Stddev	.0002	.0001	.0000	.0005	.0000	.0005	.0011	.0010
%RSD	22.33	2.799	.0373	14.55	1.705	14.47	19.90	27.17
#1	.0011	.0023	.0132	.0040	.0025	.0035	.0049	.0029
#2	.0008	.0024	.0132	.0032	.0025	.0028	.0065	.0043
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	**.1075**	**1.040**	**.0064**	**.1051**	**2.205**	**1.198**	**.0098**	**-.0002**
Stddev	.0048	.001	.0012	.0052	.008	.008	.0003	.0001
%RSD	4.442	.0919	19.09	4.996	.3666	.6407	3.374	36.46
#1	.1109	1.041	.0055	.1088	2.211	1.203	.0096	-.0002
#2	.1041	1.039	.0072	.1014	2.200	1.192	.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: 6/6/2014 15:37:14 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0036**	**.0002**	**.0000**	**-.0005**	F **.0017**	F **.0001**	F **-.0013**
Stddev	.0001	.0009	.0004	.0000	.0003	.0002	.0000	.0002
%RSD	836.5	23.95	172.5	85.86	71.85	12.93	18.65	13.51
#1	-.0000	.0042	.0005	.0001	-.0002	.0015	.0001	-.0015
#2	.0001	.0030	-.0001	.0000	-.0007	.0018	.0001	-.0012
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0020**	F **.0008**
Stddev	.0008	.0002
%RSD	40.84	26.36
#1	-.0014	.0006
#2	-.0026	.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	**69955.**	**7994.8**	**2574.7**	**3590.5**
Stddev	209.	23.5	13.0	12.2
%RSD	.29946	.29450	.50311	.33860
#1	69807.	7978.1	2583.9	3599.1
#2	70104.	8011.4	2565.5	3582.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 15:43:20 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**1.988**	**1.975**	**2.050**	**1.967**	**1.936**	**2.077**	**2.110**	**.2413**
Stddev	.001	.001	.010	.005	.032	.028	.040	.006	.0037
%RSD	.0487	.0399	.5029	.2425	1.645	1.454	1.907	.2735	1.552
#1	2.031	1.988	1.982	2.054	1.944	1.916	2.049	2.114	.2387
#2	2.032	1.989	1.968	2.047	1.990	1.956	2.105	2.106	.2440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.032**	**2.016**	**2.106**	**2.126**	**2.015**	**1.989**	**40.60**	**39.44**
Stddev	.039	.001	.008	.014	.006	.009	.012	.00	.04
%RSD	1.932	.0242	.3852	.6707	.3048	.4671	.5771	.0064	.1077
#1	2.003	2.032	2.021	2.116	2.131	2.022	1.997	40.60	39.47
#2	2.059	2.032	2.010	2.096	2.121	2.008	1.981	40.61	39.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.45**	**38.84**	**42.12**	**42.22**	**2.012**	**1.940**	**1.832**	**4.945**	**1.986**
Stddev	.03	.12	.02	.02	.011	.004	.020	.018	.005
%RSD	.0710	.3208	.0560	.0405	.5439	.1973	1.098	.3657	.2475
#1	38.43	38.93	42.11	42.21	2.020	1.942	1.817	4.958	1.990
#2	38.47	38.75	42.14	42.23	2.005	1.937	1.846	4.932	1.983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 15:43:20 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.067**	**2.056**	**2.071**	**1.926**	**2.049**	**2.158**
Stddev	.003	.037	.016	.042	.006	.009	.006
%RSD	.1324	1.815	.7564	2.014	.3083	.4587	.2763
#1	2.018	2.041	2.045	2.042	1.930	2.056	2.154
#2	2.022	2.094	2.067	2.101	1.922	2.043	2.163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**66406.**	**7846.4**	**2486.4**	**3368.6**
Stddev	1122.	48.9	7.8	8.8
%RSD	1.6892	.62297	.31357	.26234
#1	67199.	7811.8	2480.9	3362.3
#2	65613.	7881.0	2491.9	3374.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 15:50:52 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0001**	**-.0000**	**-.0003**	**-.0014**	**.0000**	**-.0002**	**-.0001**
Stddev	.0002	.0001	.0001	.0001	.0005	.0000	.0000	.0001	.0002
%RSD	77.74	130.0	131.9	744.6	165.3	1.232	63.04	27.14	256.9
#1	.0001	.0000	.0002	-.0001	-.0007	-.0014	.0001	-.0002	.0001
#2	.0003	.0001	.0000	.0000	.0001	-.0013	.0000	-.0002	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0000**	**.0004**	**-.0005**	**-.0001**	**-.0017**	**.0007**	**.0008**	**-.0157**
Stddev	.0000	.0001	.0002	.0003	.0009	.0007	.0013	.0072	.0022
%RSD	16.42	434.3	42.29	52.19	1142.	39.77	169.0	959.8	14.13
#1	.0003	.0000	.0003	-.0003	.0006	-.0012	.0016	-.0044	-.0172
#2	.0002	-.0001	.0005	-.0007	-.0007	-.0022	-.0001	.0059	-.0141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**-.0132**	**.0270**	**.0594**	**-.0001**	**.0005**	**.0001**	**.0019**	**.0002**
Stddev	.0030	.0235	.0143	.0009	.0001	.0001	.0017	.0003	.0000
%RSD	149.1	177.8	52.85	1.470	92.05	20.74	2951.	14.01	.3586
#1	-.0041	.0034	.0371	.0588	-.0001	.0006	.0013	.0017	.0002
#2	.0001	-.0299	.0169	.0601	-.0000	.0005	-.0012	.0021	.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: 6/6/2014 15:50:52 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0003**	**.0265**	**.0012**	**-.0053**	**.0005**	**.0015**
Stddev	.0000	.0002	.0021	.0000	.0028	.0003	.0012
%RSD	38.37	79.12	7.915	1.291	52.74	64.23	80.40
#1	-.0001	-.0004	.0280	.0012	-.0072	.0007	.0024
#2	-.0001	-.0001	.0250	.0012	-.0033	.0003	.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	**68982.**	**7924.6**	**2584.8**	**3592.7**
Stddev	1227.	32.9	7.1	12.0
%RSD	1.7792	.41494	.27564	.33443
#1	68114.	7947.9	2579.7	3584.2
#2	69849.	7901.4	2589.8	3601.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/6/2014 15:56:58 Type: Unk
Method: Accutest1(v355) Mode: CONC 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**	**.0000**	**-.0001**	**.0042**	**-.0008**	**.0005**	**.0282**	**-.0007**
Stddev	.0001	.0001	.0000	.0001	.0001	.0001	.0000	.0000	.0002
%RSD	7.525	1520.	82.25	113.4	2.489	10.19	3.548	.0016	25.96
#1	.0006	.0001	.0000	-.0000	.0043	-.0008	.0005	.0282	-.0009
#2	.0007	-.0001	.0001	-.0002	.0042	-.0009	.0005	.0282	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0096**	**-.0000**	**-.0009**	**.0005**	**-.0006**	**.0001**	**.0023**	**.1029**
Stddev	.0001	.0001	.0007	.0005	.0007	.0009	.0006	.0206	.0032
%RSD	19.12	1.057	3058.	61.05	158.8	151.7	1134.	912.0	3.083
#1	.0003	.0096	.0005	-.0013	-.0001	.0000	.0005	-.0123	.1007
#2	.0004	.0097	-.0005	-.0005	.0010	-.0012	-.0004	.0168	.1051

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0414**	**.0034**	**.0364**	**.1008**	**.0002**	**.0061**	**-.0011**	**.0221**	**.0105**
Stddev	.0009	.0335	.0018	.0006	.0002	.0002	.0008	.0014	.0000
%RSD	2.135	989.0	5.029	.6152	98.20	2.562	73.28	6.265	.1283
#1	.0420	.0270	.0351	.1003	.0003	.0062	-.0016	.0211	.0105
#2	.0408	-.0203	.0377	.1012	.0001	.0060	-.0005	.0231	.0105

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**.0321**	**.0025**	**.0039**	**-.0008**	**.0012**
Stddev	.0000	.0003	.0018	.0001	.0031	.0004	.0011
%RSD	19.37	136.1	5.651	3.837	79.76	46.15	87.60
#1	.0003	.0000	.0333	.0026	.0062	-.0005	.0020
#2	.0002	.0004	.0308	.0024	.0017	-.0010	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70276.**	**8069.3**	**2557.4**	**3575.3**
Stddev	113.	64.3	1.6	.7
%RSD	.16123	.79684	.06328	.01825
#1	70357.	8023.9	2556.2	3574.9
#2	70196.	8114.8	2558.5	3575.8

Zoom In Zoom Out

Sample Name: mp79902-b1 Acquired: 6/6/2014 16:03:03 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.849**	**.0962**	**.0881**	**.9729**	**.3807**	**.4550**	**.9861**	**1.031**	**.0979**
Stddev	.001	.0000	.0000	.0021	.0002	.0021	.0020	.003	.0001
%RSD	.0119	.0274	.0129	.2159	.0636	.4623	.2053	.3072	.0899
#1	3.849	.0962	.0881	.9714	.3809	.4535	.9875	1.029	.0978
#2	3.849	.0963	.0881	.9744	.3806	.4564	.9846	1.033	.0979

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9164**	**.9716**	**3.774**	**3.984**	**.9961**	**3.784**	**.9066**	**50.58**	**11.73**
Stddev	.0011	.0038	.000	.003	.0002	.006	.0018	.07	.02
%RSD	.1208	.3933	.0011	.0822	.0181	.1603	.2034	.1348	.1330
#1	.9156	.9689	3.774	3.987	.9962	3.789	.9079	50.63	11.72
#2	.9172	.9743	3.774	3.982	.9960	3.780	.9053	50.53	11.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**47.06**	**11.53**	**12.22**	**12.88**	**-.0005**	**.0064**	**.0029**	**.0264**	**.0114**
Stddev	.01	.11	.01	.03	.0001	.0000	.0014	.0004	.0006
%RSD	.0251	.9645	.0937	.2277	10.21	.5045	46.99	1.649	5.047
#1	47.05	11.45	12.23	12.90	-.0005	.0064	.0020	.0268	.0110
#2	47.07	11.61	12.21	12.86	-.0005	.0065	.0039	.0261	.0118

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0022**	**.0698**	**.0051**	**.0044**	**.0041**	**.0016**
Stddev	.0000	.0000	.0006	.0004	.0014	.0009	.0003
%RSD	26.96	1.490	.8617	7.180	31.72	21.93	21.62
#1	.0001	.0022	.0702	.0053	.0034	.0035	.0018
#2	.0002	.0022	.0693	.0048	.0054	.0047	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68884.**	**7979.3**	**2531.8**	**3494.6**
Stddev	47.	17.2	1.8	1.2
%RSD	.06761	.21516	.07230	.03474
#1	68917.	7991.4	2530.5	3495.5
#2	68851.	7967.2	2533.1	3493.7

Zoom In Zoom Out

Sample Name: jb68347-1r Acquired: 6/6/2014 16:08:58 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.641**	**.0112**	**.0070**	**.0877**	**.3504**	**2.047**	**1.812**	**.3520**	**.0195**
Stddev	.023	.0001	.0002	.0001	.0050	.061	.033	.0006	.0062
%RSD	1.377	.4771	2.376	.1047	1.428	3.004	1.794	.1671	31.92
#1	1.625	.0112	.0069	.0876	.3539	2.090	1.835	.3516	.0151
#2	1.657	.0111	.0071	.0878	.3468	2.003	1.789	.3525	.0239

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4122**	**2.698**	**1.398**	**-.0072**	**1.934**	**.1043**	**.0713**	**200.2**	**16.25**
Stddev	.0073	.005	.001	.0006	.001	.0005	.0014	3.5	.36
%RSD	1.771	.1965	.0721	7.908	.0374	.4320	1.903	1.731	2.204
#1	.4174	2.694	1.399	-.0076	1.935	.1046	.0722	197.7	16.00
#2	.4070	2.702	1.397	-.0068	1.934	.1040	.0703	202.7	16.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**265.0**	**46.99**	**21.20**	**46.47**	**.1508**	**.0250**	**.0009**	**4.396**	**1.644**
Stddev	4.3	.84	.36	.70	.0006	.0001	.0003	.024	.003
%RSD	1.637	1.793	1.691	1.504	.3764	.2259	27.66	.5440	.2046
#1	261.9	46.40	20.95	45.97	.1512	.0250	.0011	4.413	1.646
#2	268.0	47.59	21.46	46.96	.1504	.0250	.0007	4.379	1.642

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3008**	**3.626**	**.0387**	**.0152**	**17.49**	**.0441**	**.3911**
Stddev	.0042	.080	.0001	.0003	.03	.0009	.0060
%RSD	1.393	2.216	.1458	1.802	.1872	2.022	1.531
#1	.2979	3.682	.0387	.0150	17.51	.0447	.3869
#2	.3038	3.569	.0388	.0154	17.47	.0434	.3954

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71111.	8508.6	2547.8	3360.5
Stddev	1250.	75.5	7.8	6.9
%RSD	1.7576	.88769	.30458	.20510
#1	70227.	8562.1	2542.4	3355.6
#2	71995.	8455.2	2553.3	3365.4

Zoom In Zoom Out

Sample Name: mp79902-mb1 Acquired: 6/6/2014 16:21:46 Type: Unk
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0000**	**-.0001**	**.0009**	**-.0007**	**.0003**	**.0075**	**-.0005**
Stddev	.0001	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0005
%RSD	24.02	10.74	.3237	53.32	12.05	19.39	28.90	.7372	100.7
#1	.0003	-.0001	.0000	-.0001	.0008	-.0008	.0002	.0075	-.0008
#2	.0002	-.0001	.0000	-.0002	.0010	-.0006	.0003	.0074	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0013**	**-.0001**	**.0009**	**.0006**	**.0003**	**.0002**	**.0114**	**.0298**
Stddev	.0003	.0001	.0002	.0013	.0003	.0011	.0011	.0104	.0036
%RSD	71.24	3.885	317.2	136.8	54.53	397.3	676.9	91.53	12.08
#1	.0006	.0013	-.0002	.0019	.0008	.0011	-.0006	.0187	.0323
#2	.0002	.0013	.0001	.0000	.0004	-.0005	.0010	.0040	.0272

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0274**	**.0124**	**.0051**	**.0459**	**-.0004**	**.0015**	**-.0008**	**.0058**	**.0082**
Stddev	.0040	.0145	.0137	.0027	.0003	.0000	.0014	.0005	.0000
%RSD	14.54	116.7	270.5	5.911	84.82	1.706	180.0	8.216	.3485
#1	.0302	.0227	.0148	.0440	-.0006	.0015	-.0018	.0062	.0082
#2	.0246	.0022	-.0046	.0478	-.0001	.0015	.0002	.0055	.0082

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**-.0011**	**.0001**	**-.0027**	**-.0008**	**.0014**
Stddev	.0001	.0001	.0012	.0001	.0005	.0009	.0006
%RSD	89.67	116.9	108.3	105.0	18.39	118.1	46.17
#1	.0000	.0000	-.0003	.0001	-.0030	-.0015	.0009
#2	.0002	.0002	-.0020	.0000	-.0023	-.0001	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	69714.	8082.9	2549.1	3573.4
Stddev	116.	7.4	3.8	4.4
%RSD	.16616	.09203	.14752	.12239
#1	69796.	8088.2	2546.4	3570.3
#2	69632.	8077.6	2551.7	3576.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/6/2014 16:27:52 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2038**	**.0021**	**.0032**	**.0521**	**.0097**	**.0087**	**.0161**	**.0104**	**.0045**
Stddev	.0003	.0000	.0001	.0004	.0001	.0006	.0000	.0002	.0005
%RSD	.1486	.3184	3.666	.7938	.8909	7.021	.0155	1.941	10.37
#1	.2040	.0021	.0032	.0518	.0097	.0091	.0161	.0103	.0042
#2	.2036	.0021	.0033	.0524	.0098	.0082	.0161	.0106	.0049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0520**	**.0234**	**.0087**	**.0104**	**.0035**	**.0099**	**.0056**	**.2089**	**4.973**
Stddev	.0002	.0000	.0006	.0009	.0007	.0028	.0000	.0077	.018
%RSD	.3858	.0736	6.702	8.868	19.23	28.23	.0796	3.666	.3679
#1	.0518	.0235	.0091	.0098	.0030	.0079	.0056	.2143	4.960
#2	.0521	.0234	.0083	.0111	.0039	.0119	.0056	.2035	4.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1043**	**5.206**	**5.223**	**5.296**	**.0994**	**.0192**	**.0595**	**.2054**	**.0100**
Stddev	.0039	.053	.019	.006	.0002	.0001	.0006	.0001	.0001
%RSD	3.779	1.017	.3716	.1230	.1740	.6967	1.083	.0551	1.254
#1	.1015	5.169	5.237	5.291	.0993	.0191	.0590	.2055	.0101
#2	.1071	5.244	5.209	5.300	.0996	.0193	.0599	.2054	.0099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/6/2014 16:27:52 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104**	**.0103**	F **.0693**	**.0103**	**.0427**	**.0212**	**.0245**
Stddev	.0000	.0006	.0009	.0000	.0008	.0002	.0011
%RSD	.0300	5.711	1.322	.1527	1.868	1.027	4.679
#1	.0104	.0107	.0687	.0103	.0421	.0214	.0237
#2	.0105	.0098	.0699	.0103	.0433	.0211	.0253
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0500				
Range			30.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	69463.	7863.5	2574.2	3580.8
Stddev	117.	5.9	2.2	2.1
%RSD	.16886	.07553	.08370	.05974
#1	69380.	7859.3	2572.6	3582.4
#2	69546.	7867.7	2575.7	3579.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 16:33:57 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**1.981**	**1.962**	**2.039**	**1.941**	**1.895**	**2.054**	**2.099**	**.2363**
Stddev	.010	.008	.009	.000	.009	.008	.009	.001	.0006
%RSD	.4787	.4029	.4351	.0001	.4370	.4056	.4401	.0374	.2409
#1	2.008	1.975	1.956	2.039	1.935	1.890	2.048	2.098	.2359
#2	2.021	1.986	1.968	2.039	1.947	1.901	2.061	2.099	.2368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**2.015**	**2.001**	**2.096**	**2.113**	**2.004**	**1.975**	**40.47**	**39.23**
Stddev	.009	.001	.011	.002	.002	.006	.010	.21	.25
%RSD	.4729	.0320	.5658	.0966	.0750	.2776	.4871	.5138	.6443
#1	1.999	2.016	1.993	2.095	2.114	2.000	1.969	40.32	39.05
#2	2.012	2.015	2.009	2.098	2.112	2.008	1.982	40.62	39.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.07**	**38.50**	**42.08**	**42.28**	**2.001**	**1.923**	F **1.785**	**4.915**	**1.966**
Stddev	.29	.24	.22	.20	.013	.009	.011	.023	.004
%RSD	.7553	.6167	.5285	.4634	.6266	.4512	.6231	.4743	.2046
#1	37.86	38.34	41.92	42.14	1.992	1.917	1.777	4.899	1.964
#2	38.27	38.67	42.23	42.42	2.010	1.929	1.793	4.932	1.969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							-10.00%		

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 16:33:57 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.043**	**2.058**	**2.041**	**1.917**	**2.033**	**2.159**
Stddev	.008	.007	.028	.012	.008	.014	.006
%RSD	.3883	.3360	1.361	.5698	.4336	.6991	.2843
#1	1.998	2.038	2.038	2.033	1.912	2.023	2.154
#2	2.009	2.048	2.078	2.049	1.923	2.043	2.163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67241.**	**7820.8**	**2502.7**	**3383.4**
Stddev	346.	61.9	13.6	8.1
%RSD	.51402	.79119	.54531	.23886
#1	67486.	7864.6	2512.3	3389.1
#2	66997.	7777.1	2493.0	3377.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 16:39:47 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0001**	**-.0001**	**-.0002**	**-.0015**	**.0000**	**-.0003**	**-.0004**
Stddev	.0001	.0001	.0002	.0001	.0004	.0002	.0001	.0001	.0001
%RSD	97.21	70.45	309.9	193.3	208.9	13.74	192.5	31.23	17.62
#1	.0000	-.0001	.0002	-.0001	.0001	-.0013	.0001	-.0002	-.0005
#2	.0001	-.0002	-.0001	.0000	-.0005	-.0016	-.0000	-.0003	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0008**	**-.0006**	**-.0004**	**-.0014**	**.0004**	**.0066**	**-.0094**
Stddev	.0001	.0000	.0000	.0001	.0002	.0007	.0005	.0152	.0048
%RSD	59.16	24.38	5.302	23.00	34.69	45.31	121.8	230.5	50.70
#1	.0001	.0001	.0008	-.0007	-.0006	-.0019	.0007	.0173	-.0060
#2	.0003	.0001	.0008	-.0005	-.0003	-.0010	.0001	-.0042	-.0127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**-.0068**	**.0205**	**.0239**	**.0007**	**.0008**	**-.0009**	**.0027**	**-.0001**
Stddev	.0016	.0380	.0063	.0000	.0006	.0003	.0011	.0002	.0002
%RSD	108.9	561.2	30.77	.0940	85.58	31.25	115.7	8.678	171.3
#1	.0026	.0201	.0160	.0239	.0012	.0010	-.0017	.0026	.0000
#2	.0003	-.0336	.0249	.0239	.0003	.0006	-.0002	.0029	-.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: 6/6/2014 16:39:47 Type: QC
Method: Accutest1(v355) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	F **.0357**	**.0017**	**-.0034**	**.0004**	**.0017**
Stddev	.0000	.0003	.0039	.0001	.0003	.0001	.0003
%RSD	16.50	591.0	11.05	8.581	9.234	18.04	16.42
#1	-.0000	.0003	.0385	.0018	-.0037	.0003	.0019
#2	-.0000	-.0002	.0329	.0016	-.0032	.0004	.0015
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291				
Low Limit			-.0291				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70065.**	**7905.8**	**2590.7**	**3595.1**
Stddev	146.	9.8	43.3	55.3
%RSD	.20905	.12357	1.6729	1.5388
#1	69961.	7912.8	2560.0	3556.0
#2	70168.	7898.9	2621.3	3634.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.001380	0.000000	No
Be 313.042 {108}	☒	13	V	0.000497	0.000000	No
			Mo	-0.000027	0.000000	No
			Ti	-0.000601	0.000000	No
			Mn	-0.000010	0.000000	No
			Ba	0.000038	0.000000	No
			Co	-0.000065	0.000000	No
			Ni	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	-0.000003	0.000000	No
			Cr	-0.000020	0.000000	No
			W	0.000000	0.000000	No
Cd 228.802 {448}	☒	14	As	0.010250	0.000000	No
			Ni	-0.000173	0.000000	No
			Fe	-0.000012	0.000000	No
			V	0.000091	0.000000	No
			Ba	-0.000047	0.000000	No
			Co	-0.001503	0.000000	No
			Sr	-0.000020	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000010	0.000000	No
			Cr	0.000025	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000026	0.000000	No
			W	0.000000	0.000000	No
			Al	-0.000002	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000032	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001939	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001812	0.000000	No
			Ba	-0.000371	0.000000	No
			W	-0.001840	0.000000	No
			Cd	-0.000510	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	0.000018	0.000000	No
			Fe	-0.000008	0.000000	No
			W	0.000253	0.000000	No
			Cd	-0.000050	0.000000	No
			Al	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mg	0.000003	0.000000	No
			Ti	0.000100	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	20	Cr	-0.000200	0.000000	No
			V	-0.000233	0.000000	No
			Mo	0.000556	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000082	0.000000	No
			Fe	-0.000075	0.000000	No
			Al	0.000006	0.000000	No
			Sn	-0.000097	0.000000	No
			Zn	-0.000004	0.000000	No
			Co	-0.000427	0.000000	No
			Zr	-0.000330	0.000000	No
			Si	0.000080	0.000000	No
			Mn	-0.000080	0.000000	No
			Se	0.000050	0.000000	No
			Ba	-0.000000	0.000000	No
			Ag	-0.000077	0.000000	No
			Pb	0.000300	0.000000	No
			Sb	0.000370	0.000000	No
			Mg	-0.000002	0.000000	No
			Ca	-0.000001	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	☒	7	Fe	-0.000095	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000100	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000014	0.000000	No
			Zn	0.000079	0.000000	No
			Be	0.000213	0.000000	No
			Co	-0.000525	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000002	0.000000	No
			Mo	-0.000374	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Al	-0.000002	0.000000	No
			Cr	0.000006	0.000000	No
			Si	-0.000030	0.000000	No
			Sn	0.000079	0.000000	No
			Ba	0.000000	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.000000	0.000000	No
Ag 328.068 {103}	☒	15	Mn	0.000051	0.000000	No
			Mo	-0.000147	0.000000	No
			Ti	0.007000	0.000000	No
			Fe	-0.000691	0.000000	No
			V	0.000028	0.000000	No
			Zn	0.000046	0.000000	No
			W	0.000000	0.000000	No
			Ca	-0.000015	0.000000	No
			Zr	0.002000	0.000000	No
			Al	-0.000002	0.000000	No
			Sr	-0.000200	0.000000	No
			Mg	-0.000008	0.000000	No
			Ba	-0.000056	0.000000	No
			Cr	0.000010	0.000000	No
			S	0.000000	0.000000	No
V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.013500	0.000000	No
			Fe	-0.000004	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003049	0.000000	No
			Mn	-0.000900	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000710	0.000000	No
			Mo	-0.000300	0.000000	No
			Fe	-0.000010	0.000000	No
			Al	0.000005	0.000000	No
			Si	-0.000035	0.000000	No
			Mn	-0.000045	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000255	0.000000	No
			Cu	0.000056	0.000000	No
			As	0.000500	0.000000	No
			Be	0.000364	0.000000	No
			Pd	-0.000008	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
As 189.042 {478}	☒	24	Al	0.000000	0.000000	No
			Fe	-0.000026	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	-0.000105	0.000000	No
			Mo	0.002200	0.000000	No
			Cr	-0.000300	0.000000	No
			V	0.000070	0.000000	No
			Co	-0.000164	0.000000	No
			Ba	-0.000067	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000228	0.000000	No
			Tl	0.000000	0.000000	No
			Be	-0.000007	0.000000	No
			Mg	0.000006	0.000000	No
			Si	-0.000135	0.000000	No
			Zn	0.000020	0.000000	No
			Sr	-0.000054	0.000000	No
			Pd	0.025218	0.000000	No
			Zr	0.002316	0.000000	No
			Ti	-0.000100	0.000000	No
			S	-0.000005	0.000000	No
			W	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Na	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000405	0.000000	No
			Mo	-0.008250	0.000000	No
			Al	0.000006	0.000000	No
			Fe	-0.000076	0.000000	No
			V	-0.027203	0.000000	No
			Mn	0.001598	0.000000	No
			Si	-0.000069	0.000000	No
			Ca	-0.000015	0.000000	No
			Ti	-0.002253	0.000000	No
			Mg	-0.000006	0.000000	No
			Co	0.003209	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Sr	-0.000006	0.000000	No
				B	0.003650	0.000000	No
				Ba	-0.000056	0.000000	No
				Zn	0.001447	0.000000	No
				As	0.000077	0.000000	No
				W	0.000000	0.000000	No
				Ni	-0.000136	0.000000	No
				Cu	0.000232	0.000000	No
				Zr	0.000067	0.000000	No
				Pd	0.000045	0.000000	No
				Pb	0.000000	0.000000	No
				S	0.000010	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Sn	-0.000083	0.000000	No
				Li	0.000100	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000140	0.000000	No
				Fe	0.000051	0.000000	No
				Ca	-0.000000	0.000000	No
				Mn	-0.000023	0.000000	No
				Zn	-0.000386	0.000000	No
				Mo	-0.000700	0.000000	No
				Cu	0.000110	0.000000	No
				V	-0.000338	0.000000	No
				Co	0.000111	0.000000	No
				Ti	-0.000016	0.000000	No
				Si	-0.000010	0.000000	No
				Ba	0.000020	0.000000	No
				Sb	-0.000200	0.000000	No
				K	0.000000	0.000000	No
				Sr	0.000117	0.000000	No
				W	0.010000	0.000000	No
				Mg	0.000013	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000138	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000935	0.000000	No
				Ni	0.000300	0.000000	No
				S	-0.000015	0.000000	No
	Se 196.090 {472}	☒	26	Al	-0.000001	0.000000	No
				Ca	0.000005	0.000000	No
				Mn	0.000151	0.000000	No
				Mo	0.000081	0.000000	No
				Fe	-0.000185	0.000000	No
				Co	0.000042	0.000000	No
				V	-0.000390	0.000000	No
				Sr	-0.000108	0.000000	No
				Cu	-0.000007	0.000000	No
				W	0.040000	0.000000	No
				Si	-0.000353	0.000000	No
				Tl	0.000000	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000450	0.000000	No
				B	-0.000175	0.000000	No
				Pd	-0.000223	0.000000	No
				Ti	-0.000359	0.000000	No
				Cd	0.000090	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Zr	0.000000	0.000000	No
				Ba	0.004800	0.000000	No
				Mg	-0.000004	0.000000	No
				Pb	0.000154	0.000000	No
				Ni	-0.000250	0.000000	No
				Cr	0.000100	0.000000	No
				K	0.000000	0.000000	No
				Na	0.000000	0.000000	No
	Sb 206.833 {463}	☒	17	Fe	0.000013	0.000000	No
				Al	-0.000001	0.000000	No
				Ca	-0.000001	0.000000	No
				Ni	-0.000686	0.000000	No
				Cr	0.014100	0.000000	No
				V	-0.002400	0.000000	No
				Zn	-0.000215	0.000000	No
				Mo	0.000500	0.000000	No
				Ti	0.000300	0.000000	No
				Sn	-0.016050	0.000000	No
				Mg	-0.000001	0.000000	No
				Zr	-0.001760	0.000000	No
				Sr	0.000031	0.000000	No
				Mn	-0.000575	0.000000	No
				S	0.000001	0.000000	No
				W	0.000000	0.000000	No
				B	0.000000	0.000000	No
	Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
				Ca	-0.000172	0.000000	No
				Mo	0.034000	0.000000	No
				Zr	-0.000018	0.000000	No
				Ti	0.000419	0.000000	No
	Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
				Ti	0.000000	0.000000	No
				W	0.003960	0.000000	No
				Tl	0.004950	0.000000	No
				Be	0.001840	0.000000	No
				Ba	0.003500	0.000000	No
				Cu	-0.001800	0.000000	No
				Cd	0.003700	0.000000	No
				Ni	0.006667	0.000000	No
				Pd	-0.000871	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.000923	0.000000	No
				Co	0.003280	0.000000	No
				Cr	0.000640	0.000000	No
				Al	0.000026	0.000000	No
				As	0.010000	0.000000	No
	Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
				Si	-0.001181	0.000000	No
				Tl	-0.002602	0.000000	No
				Se	0.000000	0.000000	No
				Cr	-0.000566	0.000000	No
				Mn	0.000000	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000953	0.000000	No
				K	0.000000	0.000000	No
				Zn	0.000046	0.000000	No
				Ti	-0.000631	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.020250	0.000000	No
			W	-0.006578	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000140	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	-0.015570	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.000000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.024280	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.020000	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001428	0.000000	No
			V	0.000552	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	0.000038	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.017300	0.000000	No
			Co	-0.007036	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000177	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	12	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.023200	0.000000	No
			V	-0.001400	0.000000	No
			Ti	0.006970	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000044	0.000000	No
			Sn	0.005721	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.002000	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.003950	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000131	0.000000	No
			Pd	-0.000385	0.000000	No
Sr 407.771 { 83}	☒	3	Fe	0.000000	0.000000	No
			Ca	0.000043	0.000000	No
			Si	0.000033	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	0.000135	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000900	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.000015	0.000000	No
			Sn	0.001300	0.000000	No
			Zr	-0.002570	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.003000	0.000000	No
			Co	-0.001000	0.000000	No
			Ni	-0.003000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.001300	0.000000	No
			Ba	-0.001360	0.000000	No
			Tl	-0.002600	0.000000	No
Zr 339.198 { 99}	☒	6	Mo	0.000250	0.000000	No
			Ti	-0.000050	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000870	0.000000	No
			S	0.000039	0.000000	No
			Pd	0.000000	0.000000	No
S 182.034 {485}	☒	7	Ca	0.000063	0.000000	No
			Mo	0.000614	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	-0.000028	0.000000	No
			Mn	0.002300	0.000000	No
			W	-0.028686	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	6	Ti	-0.002693	0.000000	No
			V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	-0.000010	0.000000	No
			Mg	-0.000014	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	-0.003914	0.000000	No
	Li 670.784 { 50}	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.002289	2.946774	0.000000	1.000000
Be 313.042 {108}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000214	1.235103	0.000000	1.000000
Cd 228.802 {448}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000342	0.974526	0.000000	1.000000
Co 228.616 {448}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000149	0.639135	0.000000	1.000000
Cr 267.716 {126}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000002	0.088109	0.000000	1.000000
Cu 324.754 {104}2	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.002526	0.212980	0.000000	1.000000
Mn 257.610 {131}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000039	0.593336	0.000000	1.000000
Ni 231.604 {446}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000316	0.491155	0.000000	1.000000
Ag 328.068 {103}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000225	0.116848	0.000000	1.000000
V 292.402 {115}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000036	0.160545	0.000000	1.000000
Zn 206.200 {464}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000301	1.117622	0.000000	1.000000
As 189.042 {478}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000151	0.101154	0.000000	1.000000
Tl 190.856 {477}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000083	0.071481	0.000000	1.000000
Pb 220.353 {453}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000029	0.192864	0.000000	1.000000
Se 196.090 {472}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000001	0.077786	0.000000	1.000000
Sb 206.833 {463}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000057	0.162432	0.000000	1.000000
Al 396.152 { 85}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000281	0.033358	0.000000	1.000000
Ca 317.933 {106}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.003649	0.042084	0.000000	1.000000
Fe 259.940 {130}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000110	0.023541	0.000000	1.000000
Mg 279.079 {121}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000025	0.003718	0.000000	1.000000
K 766.490 { 44}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.002870	0.056980	0.000000	1.000000
Na 589.592 { 57}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.001955	0.190679	0.000000	1.000000
B 208.959 {462}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000303	0.249707	0.000000	1.000000
Mo 202.030 {467}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000300	0.773375	0.000000	1.000000
Pd 340.458 { 99}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000009	0.044655	0.000000	1.000000
Si 212.412 {459}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.002354	0.218689	0.000000	1.000000
Sn 189.989 {478}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000169	0.181976	0.000000	1.000000
Sr 407.771 { 83}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000378	3.921459	0.000000	1.000000
Ti 334.904 {101}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000052	0.142966	0.000000	1.000000
Y 360.073 { 94}*	6/6/2014 16:58:08	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/6/2014 16:58:08	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/6/2014 16:58:08	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/6/2014 16:58:08	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.002346	0.275928	0.000000	1.000000
Zr 339.198 { 99}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000090	0.375642	0.000000	1.000000
S 182.034 {485}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000448	0.049439	0.000000	1.000000
Bi 223.061 {451}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	-0.000051	0.170251	0.000000	1.000000
Li 670.784 { 50}	6/6/2014 16:58:08	6/6/2014 10:08:29	Linear	1/Conc	0.000913	1.428751	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	0.000233	0.000778	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000155	0.000518	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000191	0.000635	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000233	0.000777	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000505	0.001684	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000493	0.001642	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000070	0.000235	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000342	0.001140	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000770	0.002567	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000381	0.001269	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000147	0.000490	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001214	0.004047	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001419	0.004729	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001233	0.004109	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002146	0.007155	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001283	0.004275	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.014311	0.047705	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.005519	0.018396	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.005169	0.017230	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.041524	0.138414	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.025856	0.086186	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.006651	0.022169	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000614	0.002046	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000237	0.000791	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001918	0.006394	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000949	0.003164	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000707	0.002357	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000107	0.000358	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000578	0.001927	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	0.001271	0.004237	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000233	0.000777	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002666	0.008887	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001554	0.005181	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000966	0.003219	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/6/2014 17:59:54 Type: Cal
Method: Accutest1(v357) 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	**-.0002**	**.0002**	**.0004**	**.0001**	**-.0000**	**.0023**	**.0000**	**-.0005**	**-.0002**
Stddev	.0000	.0001	.0002	.0000	.0001	.0000	.0000	.0000	.0001
%RSD	18.90	68.44	44.48	13.25	458.4	.8517	118.7	6.665	32.63
#1	-.0003	.0001	.0003	.0001	.0000	.0023	.0000	-.0005	-.0003
#2	-.0002	.0003	.0006	.0001	-.0000	.0023	.0000	-.0005	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**.0003**	**.0001**	**-.0001**	**.0000**	**.0001**	**-.0001**	**.0001**	**.0036**
Stddev	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001
%RSD	38.89	16.55	16.60	20.50	78.61	114.9	78.15	52.93	4.095
#1	-.0000	.0002	.0002	-.0002	.0001	.0002	-.0000	.0001	.0037
#2	-.0000	.0003	.0001	-.0001	.0000	.0000	-.0001	.0001	.0035

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**.0000**	**.0001**	**.0027**	**.0003**	**.0005**	**-.0001**	**.0023**	**.0001**
Stddev	.0000	.0000	.0017	.0003	.0001	.0001	.0000	.0000	.0001
%RSD	24.91	79.38	1190.	9.990	30.47	15.33	8.603	.4309	43.29
#1	.0002	.0001	-.0010	.0029	.0002	.0005	-.0001	.0023	.0001
#2	.0001	.0000	.0013	.0025	.0003	.0004	-.0001	.0023	.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**	**.0044**	**.0001**	**.0001**	**-.0003**	**.0013**
Stddev	.0001	.0000	.0001	.0001	.0000	.0001	.0004
%RSD	15.52	62.24	1.747	77.35	26.39	39.30	33.33
#1	-.0008	-.0001	.0045	.0000	.0001	-.0003	.0016
#2	-.0006	-.0000	.0044	.0001	.0001	-.0002	.0010

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/6/2014 17:59:54 Type: Cal
Method: Accutest1(v357) 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	**72132.**	**8442.0**	**2685.7**	**3784.5**
Stddev	19.	105.3	9.4	6.5
%RSD	.02571	1.2471	.35021	.17226
#1	72146.	8516.4	2679.0	3779.9
#2	72119.	8367.5	2692.4	3789.1

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/6/2014 18:05:55 Type: Cal
Method: Accutest1(v357) 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	**10.65**	**4.767**	**3.767**	**2.433**	**.3267**	**.8202**	**2.235**	**1.897**	**.0530**
Stddev	.01	.004	.043	.023	.0004	.0007	.003	.018	.0001
%RSD	.1220	.0743	1.128	.9338	.1341	.0872	.1426	.9348	.1280
#1	10.66	4.765	3.737	2.417	.3264	.8197	2.237	1.885	.0530
#2	10.64	4.770	3.797	2.449	.3270	.8207	2.233	1.910	.0531

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	**.5942**	**4.184**	**.3965**	**.2696**	**.7583**	**.3074**	**.6193**	**2.587**	**3.118**
Stddev	.0003	.042	.0046	.0022	.0059	.0029	.0070	.002	.012
%RSD	.0528	.9991	1.168	.8231	.7729	.9329	1.130	.0563	.3727
#1	.5939	4.155	.3932	.2680	.7542	.3053	.6144	2.586	3.110
#2	.5944	4.214	.3997	.2711	.7625	.3094	.6243	2.588	3.126

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.673**	**.2690**	**2.359**	**5.897**	**.9842**	**2.938**	**.1631**	**2.120**	**.6784**
Stddev	.004	.0008	.006	.009	.0115	.033	.0002	.024	.0075
%RSD	.2466	.2999	.2470	.1549	1.172	1.126	.0945	1.152	1.106
#1	1.670	.2684	2.363	5.904	.9761	2.914	.1630	2.103	.6731
#2	1.675	.2696	2.355	5.891	.9924	2.961	.1633	2.137	.6837

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	**14.90**	**.5439**	**1.080**	**1.424**	**.1811**	**.6573**	**6.243**
Stddev	.01	.0013	.026	.000	.0016	.0081	.035
%RSD	.0842	.2376	2.377	.0087	.8972	1.238	.5617
#1	14.91	.5448	1.062	1.424	.1800	.6516	6.268
#2	14.89	.5430	1.098	1.424	.1823	.6631	6.219

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/6/2014 18:05:55 Type: Cal
Method: Accutest1(v357) 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	**67773.**	**8161.6**	**2498.9**	**3423.6**
Stddev	93.	29.4	23.7	27.0
%RSD	.13663	.36010	.95013	.78841
#1	67708.	8182.4	2515.7	3442.7
#2	67839.	8140.8	2482.1	3404.5

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/6/2014 18:11:43 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.043**	**1.986**	**2.032**	**2.121**	**2.037**	**2.143**	**2.043**	**.2563**
Stddev	.015	.022	.014	.010	.193	.178	.191	.009	.0169
%RSD	.7573	1.098	.7110	.4898	9.110	8.751	8.890	.4670	6.591
#1	2.044	2.059	1.976	2.025	2.258	2.164	2.277	2.036	.2682
#2	2.022	2.027	1.996	2.039	1.984	1.911	2.008	2.050	.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	**2.114**	**2.043**	**1.987**	**2.062**	**2.042**	**1.979**	**1.979**	**40.26**	**41.07**
Stddev	.187	.008	.018	.005	.014	.013	.014	.15	.30
%RSD	8.842	.3790	.8794	.2654	.6693	.6570	.7142	.3820	.7277
#1	2.246	2.038	1.974	2.058	2.032	1.970	1.969	40.37	41.28
#2	1.982	2.049	1.999	2.066	2.052	1.988	1.989	40.16	40.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.50**	**40.69**	**40.38**	**40.80**	**1.994**	**2.011**	**2.059**	**4.968**	**2.039**
Stddev	.28	.53	.34	.22	.016	.013	.168	.038	.013
%RSD	.6746	1.292	.8364	.5310	.7889	.6491	8.135	.7640	.6591
#1	41.70	41.06	40.61	40.96	1.983	2.002	2.178	4.941	2.030
#2	41.30	40.32	40.14	40.65	2.006	2.021	1.941	4.995	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: ccvconf Acquired: 6/6/2014 18:11:43 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.037**	**2.099**	**2.073**	**2.125**	**1.956**	**2.000**	**1.989**
Stddev	.015	.189	.023	.190	.011	.014	.011
%RSD	.7292	9.018	1.101	8.929	.5471	.6758	.5640
#1	2.047	2.233	2.057	2.259	1.948	1.990	1.997
#2	2.026	1.965	2.089	1.990	1.963	2.009	1.981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67534.**	**8183.9**	**2584.3**	**3545.7**
Stddev	4941.	75.5	13.7	15.7
%RSD	7.3167	.92229	.52964	.44153
#1	64040.	8130.5	2593.9	3556.8
#2	71028.	8237.3	2574.6	3534.6

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/6/2014 18:17:33 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0001**	**.0002**	**-.0000**	**.0006**	**.0002**	**-.0001**
Stddev	.0001	.0000	.0002	.0000	.0005	.0002	.0000	.0002
%RSD	71.57	10.95	284.2	1.300	3521.	25.55	20.05	297.5
#1	.0001	.0001	-.0002	.0002	.0004	.0007	.0002	-.0002
#2	.0002	.0001	.0001	.0002	-.0004	.0005	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0004**	**.0000**	**.0023**	**-.0009**	**-.0001**	F **-.0036**	**.0001**
Stddev	.0001	.0002	.0000	.0006	.0001	.0002	.0002	.0008
%RSD	25.87	54.76	20.41	28.01	11.72	281.1	4.955	1278.
#1	-.0004	.0003	.0000	.0027	-.0010	.0001	-.0035	.0006
#2	-.0005	.0006	.0000	.0018	-.0008	-.0002	-.0038	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0036	
Low Limit							-.0036	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0080**	**-.0102**	**-.0010**	**-.0663**	**.0361**	**-.0144**	**.0011**	**.0013**
Stddev	.0090	.0036	.0049	.0143	.0281	.0071	.0004	.0003
%RSD	112.0	34.80	475.1	21.56	78.03	49.28	38.88	22.84
#1	-.0017	-.0127	-.0045	-.0764	.0559	-.0094	.0014	.0016
#2	-.0144	-.0077	.0024	-.0562	.0162	-.0195	.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: ccbconf Acquired: 6/6/2014 18:17:33 Type: QC
Method: Accutest1(v357) 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**	**-.0000**	**.0007**	**.0001**	**.0001**	F **.0625**	F **.0029**	**.0013**
Stddev	.0005	.0003	.0006	.0000	.0003	.0064	.0000	.0017
%RSD	43.64	930.1	85.84	33.92	267.6	10.23	1.528	123.2
#1	.0008	.0002	.0003	.0001	-.0001	.0670	.0029	.0002
#2	.0015	-.0002	.0012	.0001	.0003	.0580	.0029	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0291	.0021	
Low Limit						-.0291	-.0021	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0032**	**.0008**
Stddev	.0006	.0001
%RSD	19.36	11.83
#1	.0036	.0009
#2	.0028	.0007
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72698.**	**8441.3**	**2690.4**	**3773.5**
Stddev	1.	15.4	11.2	18.2
%RSD	.00124	.18260	.41752	.48222
#1	72699.	8430.4	2698.3	3786.4
#2	72697.	8452.2	2682.4	3760.7

Zoom In Zoom Out

Sample Name: icv Acquired: 6/6/2014 18:23:40 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.023**	**1.991**	**2.038**	**2.020**	**1.958**	**2.050**	**2.054**	**.2463**
Stddev	.001	.003	.004	.005	.009	.008	.000	.005	.0006
%RSD	.0536	.1272	.1864	.2319	.4281	.4211	.0212	.2413	.2498
#1	2.019	2.021	1.989	2.034	2.013	1.964	2.049	2.050	.2467
#2	2.018	2.025	1.994	2.041	2.026	1.953	2.050	2.057	.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	**2.022**	**2.044**	**1.999**	**2.062**	**2.048**	**1.998**	**1.993**	**39.88**	**40.65**
Stddev	.002	.004	.010	.004	.004	.008	.007	.06	.10
%RSD	.0744	.1929	.4888	.1748	.2168	.4226	.3376	.1512	.2379
#1	2.021	2.041	1.992	2.060	2.045	1.992	1.988	39.84	40.59
#2	2.023	2.047	2.006	2.065	2.051	2.004	1.998	39.92	40.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.89**	**40.21**	**40.37**	**40.92**	**2.004**	**2.013**	**1.977**	**4.991**	**2.041**
Stddev	.08	.10	.02	.06	.006	.006	.018	.017	.004
%RSD	.2018	.2490	.0506	.1426	.3156	.3249	.9111	.3353	.1799
#1	40.83	40.14	40.36	40.96	2.000	2.008	1.990	4.980	2.039
#2	40.95	40.28	40.39	40.88	2.008	2.017	1.964	5.003	2.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/6/2014 18:23:40 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.013**	**2.049**	**2.034**	**1.969**	**2.015**	**1.966**
Stddev	.001	.000	.031	.001	.008	.003	.000
%RSD	.0716	.0163	1.518	.0681	.4172	.1601	.0140
#1	2.016	2.013	2.027	2.033	1.964	2.012	1.966
#2	2.014	2.013	2.071	2.035	1.975	2.017	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	**69660.**	**8283.2**	**2569.9**	**3523.9**
Stddev	240.	11.3	10.4	13.9
%RSD	.34436	.13698	.40382	.39489
#1	69490.	8291.2	2577.2	3533.7
#2	69829.	8275.2	2562.5	3514.0

Zoom In Zoom Out

Sample Name: icb Acquired: 6/6/2014 18:29:30 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0001**	**.0001**	**.0000**	**-.0003**
Stddev	.0001	.0001	.0000	.0001	.0002	.0003	.0001	.0001	.0001
%RSD	194.1	112.2	14.08	48.62	132.7	512.1	67.35	277.6	21.52
#1	.0000	.0002	-.0001	.0001	.0000	.0003	.0000	.0001	-.0004
#2	-.0001	.0000	-.0000	.0002	.0003	-.0002	.0001	-.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**.0024**	**-.0011**	**-.0001**	**-.0028**	**.0003**	**-.0156**	**-.0038**
Stddev	.0001	.0001	.0003	.0003	.0002	.0012	.0004	.0099	.0024
%RSD	29.47	44.79	13.75	22.99	160.5	44.51	166.3	63.59	64.15
#1	.0004	.0001	.0027	-.0013	.0000	-.0037	.0006	-.0226	-.0055
#2	.0006	.0002	.0022	-.0009	-.0003	-.0019	-.0000	-.0086	-.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0013**	**.0708**	**-.0056**	**.0007**	**.0012**	**.0008**	**-.0007**	**.0003**
Stddev	.0036	.0385	.0250	.0155	.0001	.0003	.0013	.0003	.0005
%RSD	182.6	3022.	35.37	277.3	11.05	24.25	156.1	41.32	148.0
#1	.0045	-.0259	.0531	.0054	.0006	.0014	.0017	-.0005	.0006
#2	-.0006	.0285	.0885	-.0165	.0008	.0010	-.0001	-.0008	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/6/2014 18:29:30 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0004**	**F .0581**	**F .0028**	**.0024**	**.0042**	**.0005**
Stddev	.0001	.0002	.0057	.0002	.0002	.0006	.0003
%RSD	37.17	57.79	9.884	8.136	7.060	15.02	54.87
#1	.0002	-.0002	.0622	.0030	.0023	.0047	.0007
#2	.0001	-.0005	.0540	.0027	.0025	.0038	.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291	.0021			
Low Limit			-.0291	-.0021			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72658.**	**8375.8**	**2710.4**	**3796.3**
Stddev	198.	57.4	.5	3.7
%RSD	.27257	.68503	.01853	.09647
#1	72518.	8335.2	2710.7	3798.8
#2	72798.	8416.4	2710.0	3793.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 18:35:38 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.025**	**2.037**	**1.995**	**2.038**	**2.034**	**1.963**	**2.068**	**2.053**	**.2468**
Stddev	.001	.003	.012	.009	.003	.012	.005	.010	.0019
%RSD	.0288	.1470	.5792	.4203	.1367	.6020	.2291	.4977	.7858
#1	2.025	2.039	2.003	2.044	2.036	1.972	2.072	2.060	.2482
#2	2.024	2.034	1.986	2.032	2.032	1.955	2.065	2.046	.2455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.037**	**2.049**	**1.997**	**2.061**	**2.047**	**1.992**	**1.989**	**40.01**	**40.78**
Stddev	.004	.009	.011	.011	.008	.014	.013	.09	.15
%RSD	.1771	.4267	.5449	.5312	.4030	.6981	.6523	.2191	.3771
#1	2.039	2.055	2.005	2.069	2.053	2.002	1.998	40.07	40.89
#2	2.034	2.043	1.990	2.053	2.042	1.982	1.980	39.94	40.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.10**	**40.60**	**40.77**	**41.16**	**2.003**	**2.012**	**1.980**	**4.982**	**2.039**
Stddev	.09	.17	.04	.07	.013	.011	.004	.030	.013
%RSD	.2201	.4147	.0923	.1736	.6309	.5560	.2164	.5953	.6537
#1	41.16	40.72	40.79	41.21	2.012	2.020	1.983	5.003	2.049
#2	41.03	40.48	40.74	41.11	1.994	2.004	1.977	4.961	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 18:35:38 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.033**	**2.064**	**2.048**	**1.962**	**2.007**	**1.977**
Stddev	.002	.007	.011	.006	.007	.016	.001
%RSD	.0783	.3353	.5130	.2714	.3628	.8018	.0320
#1	2.021	2.038	2.057	2.052	1.967	2.018	1.977
#2	2.018	2.029	2.072	2.044	1.957	1.995	1.978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**69305.**	**8166.3**	**2577.1**	**3535.8**
Stddev	140.	9.0	13.8	16.8
%RSD	.20269	.11070	.53578	.47382
#1	69206.	8172.7	2567.4	3524.0
#2	69405.	8159.9	2586.9	3547.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 18:41:28 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0002**	**.0003**	**.0001**	**.0003**	**-.0003**
Stddev	.0002	.0000	.0000	.0000	.0003	.0000	.0001	.0002	.0003
%RSD	301.8	38.27	134.9	4.609	159.4	5.090	64.70	89.84	90.96
#1	-.0002	.0001	-.0001	.0001	.0000	.0004	.0001	.0004	-.0005
#2	.0001	.0002	-.0000	.0001	-.0004	.0003	.0001	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0022**	**-.0009**	**-.0003**	**-.0033**	**.0006**	**-.0117**	**-.0064**
Stddev	.0000	.0001	.0001	.0013	.0004	.0006	.0001	.0111	.0001
%RSD	7.666	134.6	2.531	140.6	171.3	17.79	11.71	94.96	1.528
#1	.0003	.0000	.0021	-.0018	-.0006	-.0037	.0007	-.0196	-.0063
#2	.0002	.0001	.0022	-.0000	.0001	-.0029	.0006	-.0039	-.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	**-.0024**	**-.0649**	**.0503**	**-.0098**	**.0012**	**.0009**	**-.0000**	**.0004**	**.0005**
Stddev	.0012	.0194	.0455	.0058	.0003	.0001	.0001	.0002	.0002
%RSD	49.64	29.91	90.43	58.73	28.38	10.83	1621.	51.09	39.10
#1	-.0016	-.0512	.0825	-.0139	.0014	.0010	-.0001	.0005	.0007
#2	-.0033	-.0786	.0181	-.0057	.0009	.0008	.0001	.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 18:41:28 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**F .0587**	**F .0029**	**-.0015**	**.0041**	**.0010**
Stddev	.0000	.0002	.0044	.0002	.0028	.0003	.0013
%RSD	78.20	328.0	7.537	8.109	189.5	7.841	124.8
#1	.0000	.0001	.0618	.0030	-.0034	.0043	.0019
#2	.0001	-.0002	.0555	.0027	.0005	.0038	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291	.0021			
Low Limit			-.0291	-.0021			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73012.**	**8364.7**	**2712.4**	**3793.2**
Stddev	318.	47.8	3.0	2.3
%RSD	.43509	.57085	.11015	.06168
#1	72787.	8330.9	2710.3	3791.6
#2	73237.	8398.5	2714.5	3794.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/6/2014 18:47:33 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2061**	**.0021**	**.0033**	**.0522**	**.0108**	**.0098**	**.0165**	**.0106**	**.0040**
Stddev	.0001	.0001	.0000	.0002	.0004	.0003	.0000	.0002	.0000
%RSD	.0424	4.521	1.087	.3349	3.744	3.186	.2351	1.951	1.230
#1	.2060	.0020	.0033	.0523	.0106	.0096	.0165	.0107	.0040
#2	.2061	.0021	.0032	.0520	.0111	.0100	.0164	.0104	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0528**	**.0243**	**.0102**	**.0107**	**.0030**	**.0108**	**.0064**	**.1949**	**5.296**
Stddev	.0002	.0001	.0000	.0022	.0003	.0002	.0010	.0051	.035
%RSD	.4178	.3507	.4823	20.86	9.997	1.986	15.35	2.606	.6661
#1	.0526	.0244	.0102	.0091	.0032	.0110	.0071	.1913	5.271
#2	.0530	.0242	.0102	.0122	.0028	.0107	.0057	.1985	5.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1096**	**5.250**	**5.216**	**5.270**	**.1000**	**.0204**	**.0648**	**.2056**	**.0105**
Stddev	.0038	.074	.033	.004	.0013	.0004	.0003	.0008	.0004
%RSD	3.486	1.401	.6382	.0705	1.254	2.150	.4181	.3749	3.786
#1	.1069	5.302	5.239	5.268	.0991	.0207	.0650	.2050	.0107
#2	.1123	5.198	5.192	5.273	.1009	.0201	.0646	.2061	.0102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/6/2014 18:47:33 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0106**	F **.0946**	F **.0139**	**.0491**	**.0241**	**.0221**
Stddev	.0001	.0002	.0030	.0004	.0020	.0004	.0008
%RSD	1.344	1.807	3.123	2.605	3.975	1.647	3.823
#1	.0106	.0105	.0967	.0142	.0477	.0244	.0226
#2	.0108	.0108	.0925	.0137	.0505	.0238	.0215
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.0500	.0100			
Range			30.00%	30.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72502.**	**8344.7**	**2691.6**	**3775.8**
Stddev	201.	45.4	.2	2.8
%RSD	.27662	.54453	.00689	.07492
#1	72644.	8312.6	2691.7	3773.8
#2	72360.	8376.8	2691.4	3777.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 18:53:36 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0009**	**.0009**	**.0033**	**.0018**	**.0019**	**.0033**	**.0042**	**.0008**
Stddev	.0006	.0001	.0001	.0001	.0003	.0000	.0000	.0001	.0003
%RSD	14.02	14.82	11.31	2.390	16.70	1.297	1.152	2.301	42.55
#1	.0036	.0008	.0008	.0033	.0020	.0019	.0033	.0043	.0010
#2	.0044	.0010	.0010	.0032	.0016	.0019	.0034	.0041	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	F **.0136**	F **.0048**	F **.0028**	**.0020**	F **.0025**	**.0031**	**.0796**	**.9931**
Stddev	.0002	.0002	.0003	.0001	.0000	.0001	.0008	.0056	.1125
%RSD	8.310	1.283	5.310	3.161	2.433	5.096	25.04	7.039	11.33
#1	.0023	.0135	.0050	.0029	.0021	.0026	.0025	.0756	.9135
#2	.0021	.0138	.0046	.0027	.0020	.0024	.0036	.0835	1.073
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.0100	.0030	.0020		.0050			
Range		30.00%	30.00%	30.00%		-30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	F **.0637**	**1.994**	**1.007**	**.0099**	**.0003**	**.0009**	**.0004**	**.0003**
Stddev	.0029	.0152	.249	.115	.0000	.0001	.0009	.0004	.0002
%RSD	86.22	23.92	12.47	11.41	.0759	26.80	93.01	86.71	63.03
#1	.0055	.0529	1.818	.9256	.0099	.0003	.0015	.0002	.0005
#2	.0013	.0744	2.170	1.088	.0099	.0002	.0003	.0007	.0002
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		-30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 18:53:36 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	F **.0210**	F **.0009**	F **.0012**	F **.0018**	F **.0001**
Stddev	.0000	.0001	.0000	.0000	.0021	.0003	.0005
%RSD	54.04	202.0	.0438	4.764	177.8	15.56	871.4
#1	.0001	.0002	.0210	.0009	-.0003	.0016	-.0003
#2	.0000	-.0000	.0209	.0009	.0027	.0020	.0004
Check ?	None	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value			.0040	.0040	.0040	.0040	.0040
Range			30.00%	-30.00%	-30.00%	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72596.**	**8926.4**	**2700.7**	**3777.8**
Stddev	134.	872.8	2.6	3.2
%RSD	.18517	9.7781	.09515	.08387
#1	72691.	9543.6	2698.9	3780.1
#2	72501.	8309.2	2702.5	3775.6

Zoom In Zoom Out

Sample Name: cria Acquired: 6/6/2014 18:59:42 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0000**	**-.0001**	**.0000**	**.0000**	**-.0000**	**.0001**	**.0001**	**-.0005**
Stddev	.0000	.0000	.0001	.0001	.0000	.0003	.0000	.0001	.0003
%RSD	30.81	175.3	119.3	265.0	779.9	1774.	71.17	201.6	67.63
#1	-.0001	-.0000	-.0000	.0001	-.0000	.0002	.0000	-.0000	-.0007
#2	-.0001	.0000	-.0001	-.0000	.0000	-.0003	.0001	.0001	-.0002
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0012**	**.0210**	**.0001**	**.0213**	**.0206**	**.0190**	**.4699**	**-.0025**
Stddev	.0002	.0001	.0001	.0014	.0003	.0012	.0000	.0458	.0035
%RSD	168.7	5.097	.7053	1663.	1.612	5.933	.2004	9.740	139.3
#1	.0000	.0012	.0211	.0011	.0216	.0198	.0190	.4375	-.0049
#2	-.0003	.0013	.0209	-.0009	.0211	.0215	.0190	.5023	-.0000
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5146**	**-.0505**	**.0411**	**-.0059**	**.0002**	**.0002**	**-.0004**	**.0007**	**.0000**
Stddev	.0247	.0173	.0311	.0336	.0004	.0002	.0018	.0002	.0000
%RSD	4.803	34.31	75.48	570.8	277.7	114.2	491.3	30.70	21240.
#1	.4971	-.0382	.0631	-.0297	-.0002	.0003	-.0016	.0005	-.0000
#2	.5321	-.0627	.0192	.0179	.0005	.0000	.0009	.0008	.0000
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/6/2014 18:59:42 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0176**	**.0006**	**.0016**	**.0008**	**.0005**
Stddev	.0000	.0009	.0003	.0001	.0002	.0004	.0002
%RSD	12.18	749.6	1.913	17.99	13.63	48.91	49.01
#1	.0001	.0005	.0178	.0006	.0014	.0011	.0006
#2	.0001	-.0007	.0173	.0007	.0017	.0006	.0003
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72821.**	**8742.1**	**2671.6**	**3740.3**
Stddev	331.	408.8	7.7	10.7
%RSD	.45493	4.6761	.28684	.28593
#1	73056.	9031.1	2677.0	3747.8
#2	72587.	8453.0	2666.2	3732.7

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 19:05:48 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.0010**	**.0010**	**.0032**	**.0020**	**.0021**	**.0034**	**.0042**	F **.0007**
Stddev	.0001	.0001	.0001	.0002	.0001	.0004	.0000	.0000	.0001
%RSD	2.336	12.62	7.487	5.933	2.877	21.02	.7457	.7605	22.39
#1	.0045	.0009	.0011	.0033	.0021	.0024	.0033	.0042	.0008
#2	.0043	.0011	.0010	.0031	.0020	.0018	.0034	.0042	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.0010
Range									-30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	F **.0135**	**.0033**	F **.0035**	**.0028**	**.0049**	**.0028**	**.0999**	**1.071**
Stddev	.0001	.0001	.0001	.0002	.0013	.0009	.0013	.0013	.007
%RSD	8.271	.4505	3.555	5.476	46.59	17.61	47.42	1.324	.6661
#1	.0019	.0135	.0034	.0033	.0019	.0043	.0038	.0990	1.076
#2	.0017	.0135	.0032	.0036	.0038	.0055	.0019	.1008	1.066
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.0100		.0020					
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	**.0034**	**.0886**	**2.125**	**1.090**	**.0096**	**-.0001**	**.0015**	**.0013**	**-.0003**
Stddev	.0048	.0460	.037	.002	.0002	.0001	.0002	.0001	.0001
%RSD	142.5	51.91	1.751	.2017	1.785	114.2	9.945	4.740	17.95
#1	.0068	.1212	2.152	1.088	.0098	-.0002	.0014	.0013	-.0003
#2	-.0000	.0561	2.099	1.091	.0095	-.0000	.0016	.0012	-.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 19:05:48 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	F **.0099**	F **.0004**	F **.0017**	F **.0003**	F **.0008**
Stddev	.0000	.0003	.0003	.0001	.0006	.0014	.0001
%RSD	9.893	157.2	3.337	20.60	35.10	473.1	11.63
#1	.0001	-.0005	.0101	.0003	.0013	.0012	.0007
#2	.0001	.0000	.0097	.0005	.0021	-.0007	.0009
Check ?	None	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value			.0040	.0040	.0040	.0040	.0040
Range			30.00%	-30.00%	-30.00%	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72744.**	**8321.0**	**2695.9**	**3779.8**
Stddev	2.	13.9	5.4	3.7
%RSD	.00314	.16723	.20092	.09781
#1	72745.	8311.2	2692.1	3777.2
#2	72742.	8330.9	2699.8	3782.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/6/2014 19:11:53 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0007**	**.0031**	**-.0010**	**.0005**	**-.0007**	**.0045**	**.0008**	**.0027**
Stddev	.0003	.0001	.0002	.0002	.0006	.0002	.0001	.0002	.0006
%RSD	25.65	11.33	5.298	20.50	127.6	22.45	1.342	23.16	23.56
#1	-.0012	.0006	.0033	-.0008	.0000	-.0006	.0045	.0007	.0031
#2	-.0008	.0007	.0030	-.0011	.0010	-.0009	.0046	.0010	.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0026**	**.0036**	**-.0038**	**-.0019**	**.0025**	**.0004**	**507.2**	**384.9**
Stddev	.0006	.0002	.0028	.0010	.0001	.0007	.0008	1.8	.5
%RSD	16.20	8.273	79.12	26.50	6.150	29.60	230.5	.3567	.1385
#1	.0035	.0025	.0056	-.0031	-.0020	.0030	.0009	506.0	385.3
#2	.0044	.0028	.0016	-.0045	-.0019	.0019	-.0002	508.5	384.5
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	**190.1**	**516.8**	**.0649**	**.0026**	**-.0008**	**.0007**	**-.0091**	**-.0003**	**-.0027**
Stddev	.1	1.1	.0119	.0013	.0011	.0007	.0015	.0009	.0002
%RSD	.0680	.2113	18.36	48.23	135.1	108.1	16.04	253.5	8.380
#1	190.0	517.6	.0565	.0035	-.0016	.0002	-.0102	-.0010	-.0029
#2	190.2	516.0	.0733	.0017	-.0000	.0012	-.0081	.0003	-.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/6/2014 19:11:53 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0022**	**-.0292**	**.0009**	**-.0228**	**.0310**	**.0045**
Stddev	.0001	.0001	.0010	.0000	.0005	.0011	.0007
%RSD	2.408	5.962	3.329	1.518	2.247	3.662	14.96
#1	-.0049	.0021	-.0285	.0010	-.0225	.0318	.0040
#2	-.0048	.0022	-.0298	.0009	-.0232	.0302	.0050
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	**62563.**	**7792.1**	**2318.5**	**3110.8**
Stddev	246.	18.9	4.3	5.2
%RSD	.39334	.24267	.18401	.16816
#1	62389.	7778.8	2321.5	3114.5
#2	62737.	7805.5	2315.5	3107.1

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/6/2014 19:17:55 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5189**	**.5084**	**1.027**	**.4852**	**.4878**	**.5197**	**.5169**	**.9541**	**1.098**
Stddev	.0018	.0012	.002	.0013	.0104	.0167	.0098	.0022	.028
%RSD	.3550	.2333	.1722	.2675	2.137	3.209	1.890	.2356	2.504
#1	.5176	.5076	1.026	.4843	.4805	.5079	.5100	.9525	1.078
#2	.5202	.5092	1.029	.4861	.4952	.5314	.5238	.9557	1.117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4889**	**.9689**	**1.104**	**.9669**	**.9662**	**1.099**	**1.049**	**517.5**	**389.7**
Stddev	.0100	.0044	.000	.0011	.0054	.009	.003	1.6	.6
%RSD	2.043	.4495	.0244	.1104	.5597	.8003	.2346	.3155	.1462
#1	.4818	.9658	1.104	.9662	.9624	1.092	1.048	516.3	389.3
#2	.4960	.9720	1.105	.9677	.9701	1.105	1.051	518.6	390.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**193.3**	**524.3**	**.1040**	**.0076**	**.0046**	**.5010**	**.5950**	**.0001**	**-.0029**
Stddev	.6	.4	.0327	.0002	.0005	.0026	.0164	.0020	.0004
%RSD	.3003	.0710	31.45	3.038	11.86	.5250	2.751	2090.	13.00
#1	192.9	524.0	.0808	.0074	.0050	.4991	.5834	-.0013	-.0026
#2	193.7	524.6	.1271	.0077	.0042	.5028	.6065	.0015	-.0032
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/6/2014 19:17:55 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0050**	**.0022**	**.5915**	F **.2393**	**.4884**	**.5691**	**.5810**
Stddev	.0002	.0007	.0052	.0061	.0072	.0032	.0018
%RSD	4.252	31.41	.8770	2.563	1.466	.5562	.3024
#1	-.0049	.0017	.5878	.2350	.4833	.5668	.5798
#2	-.0052	.0027	.5952	.2436	.4934	.5713	.5822
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.5000			
Range				-20.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62548.**	**7723.2**	**2322.7**	**3118.3**
Stddev	1206.	10.8	2.0	1.2
%RSD	1.9280	.13942	.08644	.03935
#1	63401.	7715.6	2324.1	3117.4
#2	61696.	7730.9	2321.3	3119.2

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/6/2014 19:23:45 Type: Unk
Method: Accutest1(v357) Mode: CONC 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**	**.0007**	**.0024**	**-.0021**	**.0017**	**.0005**	**.0062**	**.0022**	**.0058**
Stddev	.0001	.0000	.0003	.0002	.0006	.0000	.0001	.0003	.0008
%RSD	59.30	2.873	10.72	8.166	34.88	7.694	1.039	13.66	13.92
#1	.0003	.0007	.0023	-.0022	.0021	.0005	.0063	.0024	.0064
#2	.0001	.0007	.0026	-.0019	.0012	.0005	.0062	.0020	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0043**	**.0082**	**.0031**	**.0017**	**-.0032**	**-.0030**	**-.0006**	**.0221**	**.0331**
Stddev	.0001	.0001	.0002	.0002	.0002	.0002	.0007	.0209	.0030
%RSD	1.582	.7578	6.784	10.69	6.643	6.937	115.5	94.81	9.066
#1	.0044	.0082	.0032	.0019	-.0030	-.0028	-.0011	.0369	.0310
#2	.0043	.0081	.0029	.0016	-.0033	-.0031	-.0001	.0073	.0353

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**208.8**	**-.0390**	**.0267**	**-.0048**	**-.0025**	**.0008**	**-.0001**	**.0000**	**-.0021**
Stddev	.4	.0354	.0661	.0317	.0001	.0001	.0002	.0005	.0005
%RSD	.1815	90.69	247.5	657.1	3.774	13.77	313.9	9592.	21.11
#1	209.1	-.0640	.0734	.0176	-.0026	.0008	-.0002	-.0003	-.0025
#2	208.6	-.0140	-.0200	-.0272	-.0025	.0009	.0001	.0003	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0006**	**.0070**	**.0040**	**.0058**	**.0235**	**-.0002**
Stddev	.0001	.0002	.0010	.0003	.0007	.0010	.0009
%RSD	91.00	39.07	14.48	7.703	11.99	4.290	549.6
#1	.0001	-.0004	.0077	.0042	.0053	.0243	.0005
#2	.0000	-.0007	.0063	.0038	.0063	.0228	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	72109.	8266.0	2667.1	3752.6
Stddev	30.	3.9	4.2	2.5
%RSD	.04166	.04744	.15564	.06766
#1	72088.	8263.2	2664.2	3750.8
#2	72130.	8268.8	2670.0	3754.4

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/6/2014 19:29:48 Type: Unk
Method: Accutest1(v357) Mode: CONC 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**	**.0003**	**-.0003**	**-.0005**	**10.28**	**.0023**	**-.0010**	**.0003**	**-.0005**
Stddev	.0001	.0001	.0000	.0001	.06	.0001	.0000	.0002	.0006
%RSD	32.28	19.78	4.657	11.61	.6213	4.872	.0850	65.22	108.1
#1	.0002	.0004	-.0003	-.0005	10.33	.0022	-.0010	.0004	-.0009
#2	.0004	.0003	-.0003	-.0005	10.23	.0024	-.0010	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0026**	**.0015**	**-.0011**	**.0015**	**-.0031**	**.0007**	**.0070**	**.0211**
Stddev	.0002	.0001	.0001	.0002	.0005	.0037	.0010	.0006	.0024
%RSD	37.02	3.986	7.234	20.72	29.70	120.8	149.3	7.984	11.38
#1	.0006	.0027	.0014	-.0012	.0012	-.0004	-.0000	.0074	.0194
#2	.0004	.0026	.0016	-.0009	.0019	-.0057	.0014	.0066	.0228

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0529**	**-.0016**	**-.0060**	**-.0024**	**.0000**	**.0007**	**.0014**	**.0072**	**-.0007**
Stddev	.0011	.0036	.0227	.0082	.0003	.0001	.0018	.0001	.0001
%RSD	2.048	219.7	376.3	346.8	13770.	14.65	129.4	1.466	19.31
#1	.0522	.0009	.0100	.0034	-.0002	.0008	.0001	.0071	-.0006
#2	.0537	-.0042	-.0221	-.0082	.0002	.0006	.0027	.0073	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**.0071**	**-.0009**	**.0047**	**.0137**	**.0009**
Stddev	.0000	.0000	.0007	.0001	.0011	.0001	.0005
%RSD	54.13	6.307	10.19	12.80	23.52	.4869	57.57
#1	.0001	.0004	.0076	-.0008	.0054	.0137	.0005
#2	.0001	.0004	.0066	-.0009	.0039	.0136	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	73129.	8457.9	2659.3	3791.7
Stddev	183.	147.4	10.4	7.7
%RSD	.25014	1.7423	.39067	.20213
#1	73000.	8353.7	2652.0	3786.2
#2	73258.	8562.1	2666.7	3797.1

Zoom In Zoom Out

Sample Name: sconf Acquired: 6/6/2014 19:35:50 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0000**	**-.0000**	**-.0001**	**.0000**	**.0005**	**-.0001**	**.0001**	**.0001**	**-.0004**
Stddev	.0000	.0001	.0001	.0001	.0005	.0007	.0000	.0001	.0003
%RSD	101.3	341.0	246.6	217.2	112.5	873.4	14.59	135.5	71.77
#1	-.0001	.0000	.0000	-.0000	.0001	.0004	.0001	.0002	-.0006
#2	-.0000	-.0001	-.0002	.0001	.0009	-.0006	.0001	.0000	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0007**	**-.0002**	**.0001**	**.0007**	**-.0011**	**.0000**	**-.0129**	**.0013**
Stddev	.0000	.0000	.0005	.0002	.0001	.0014	.0001	.0008	.0081
%RSD	11.50	4.128	210.1	126.4	9.735	129.8	333.3	5.903	615.5
#1	.0002	.0007	-.0006	.0003	.0008	-.0021	-.0000	-.0124	-.0044
#2	.0001	.0007	.0001	.0000	.0007	-.0001	.0001	-.0135	.0071

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0136**	**-.0343**	**-.0126**	**-.0194**	**-.0004**	**.0000**	**.0054**	**.0033**	**-.0004**
Stddev	.0045	.0036	.0246	.0016	.0000	.0000	.0008	.0010	.0002
%RSD	33.21	10.65	196.0	8.015	9.268	243.9	14.04	30.17	57.67
#1	.0168	-.0317	-.0300	-.0205	-.0004	-.0000	.0059	.0041	-.0005
#2	.0104	-.0368	.0049	-.0183	-.0004	.0000	.0048	.0026	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0000**	**-.0002**	**-.0003**	**22.43**	**-.0000**	**-.0001**
Stddev	.0001	.0002	.0007	.0001	.27	.0002	.0005
%RSD	148.7	497.7	305.1	21.76	1.197	459.9	432.6
#1	.0001	-.0002	-.0007	-.0003	22.62	-.0001	.0002
#2	-.0000	.0001	.0003	-.0004	22.24	.0001	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73373.**	**8329.2**	**2726.4**	**3887.0**
Stddev	48.	37.2	35.6	44.0
%RSD	.06516	.44684	1.3042	1.1322
#1	73339.	8302.9	2701.3	3855.9
#2	73406.	8355.6	2751.6	3918.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 19:41:55 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.986**	**1.987**	**1.949**	**2.002**	**1.978**	**1.903**	**2.012**	**2.019**	**.2413**
Stddev	.014	.014	.008	.008	.012	.004	.010	.007	.0004
%RSD	.7122	.6905	.4261	.3878	.6020	.2048	.4780	.3661	.1675
#1	1.976	1.977	1.944	1.997	1.986	1.905	2.019	2.013	.2416
#2	1.996	1.996	1.955	2.008	1.969	1.900	2.005	2.024	.2410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.980**	**2.011**	**1.955**	**2.031**	**2.020**	**1.955**	**1.945**	**39.06**	**39.67**
Stddev	.009	.006	.014	.006	.006	.006	.007	.21	.24
%RSD	.4685	.2817	.7237	.3073	.2829	.2866	.3604	.5296	.5954
#1	1.987	2.007	1.945	2.027	2.016	1.951	1.940	38.91	39.50
#2	1.974	2.015	1.965	2.036	2.024	1.959	1.950	39.20	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	**40.01**	**39.69**	**40.61**	**41.03**	**1.960**	**1.965**	**1.922**	**4.878**	**1.995**
Stddev	.27	.31	.33	.25	.014	.009	.008	.030	.005
%RSD	.6778	.7762	.8116	.6071	.7285	.4793	.4187	.6139	.2477
#1	39.82	39.47	40.38	40.85	1.949	1.958	1.927	4.857	1.991
#2	40.21	39.90	40.84	41.20	1.970	1.971	1.916	4.899	1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 19:41:55 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.972**	**1.975**	**1.929**	**1.985**	**1.929**	**1.954**	**1.956**
Stddev	.014	.007	.029	.008	.008	.012	.018
%RSD	.7255	.3525	1.517	.4195	.4277	.5929	.9084
#1	1.962	1.980	1.909	1.991	1.923	1.946	1.943
#2	1.982	1.970	1.950	1.979	1.934	1.963	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	**71130.**	**8249.7**	**2627.3**	**3589.0**
Stddev	370.	54.0	17.6	21.6
%RSD	.51954	.65422	.67035	.60167
#1	70869.	8287.9	2639.7	3604.3
#2	71392.	8211.6	2614.8	3573.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 19:47:45 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**-.0000**	**.0001**	**.0002**	**.0001**	**.0001**	**.0002**	**-.0003**
Stddev	.0002	.0001	.0000	.0001	.0002	.0006	.0000	.0000	.0001
%RSD	443.1	77.01	149.5	155.2	99.09	474.2	81.43	20.10	18.67
#1	.0002	.0001	-.0001	-.0000	.0004	-.0003	.0000	.0002	-.0003
#2	-.0001	.0002	.0000	.0002	.0001	.0006	.0001	.0003	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0008**	**.0012**	**-.0006**	**-.0012**	**.0011**	**-.0060**	**-.0031**
Stddev	.0000	.0000	.0004	.0005	.0001	.0013	.0006	.0069	.0030
%RSD	12.90	10.25	46.04	36.52	15.26	111.4	49.93	113.6	97.80
#1	.0002	.0001	.0005	.0016	-.0007	-.0021	.0007	-.0012	-.0010
#2	.0003	.0001	.0011	.0009	-.0006	-.0003	.0015	-.0109	-.0053
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	**.0080**	**-.0315**	**.0185**	**-.0109**	**.0000**	**.0009**	**.0002**	**.0007**	**.0009**
Stddev	.0026	.0265	.0182	.0050	.0001	.0004	.0012	.0007	.0001
%RSD	32.23	83.95	98.41	46.21	237.0	39.92	465.7	95.19	13.06
#1	.0061	-.0128	.0314	-.0144	.0001	.0011	-.0006	.0011	.0010
#2	.0098	-.0503	.0056	-.0073	-.0000	.0006	.0011	.0002	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 19:47:45 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	F **.0308**	**.0015**	**-.0003**	**.0009**	**.0004**
Stddev	.0000	.0000	.0029	.0000	.0006	.0003	.0002
%RSD	.5535	34.88	9.567	.0752	211.5	32.78	46.68
#1	.0001	-.0001	.0328	.0015	.0001	.0011	.0003
#2	.0001	-.0001	.0287	.0015	-.0007	.0007	.0006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291				
Low Limit			-.0291				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73598.**	**8269.5**	**2751.6**	**3843.2**
Stddev	89.	9.6	26.7	32.7
%RSD	.12104	.11610	.97122	.84989
#1	73661.	8276.3	2732.7	3820.2
#2	73535.	8262.7	2770.5	3866.3

Zoom In Zoom Out

Sample Name: mp79875-mb1conf Acquired: 6/6/2014 19:53:51 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2nd cali.

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0001**	**.0000**	**.0001**	**.0003**	**-.0002**	**.0001**	**.0000**	**.0002**
Stddev	.0000	.0000	.0001	.0002	.0001	.0001	.0000	.0001	.0000
%RSD	18.41	46.39	118.0	132.8	23.85	50.76	1.804	545.4	1.296
#1	.0002	.0000	.0000	.0000	.0002	-.0001	.0001	-.0001	.0002
#2	.0002	.0001	.0001	.0002	.0003	-.0003	.0001	.0001	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0008**	**.0015**	**.0006**	**.0002**	**-.0011**	**.0007**	**-.0009**	**-.0040**
Stddev	.0002	.0000	.0002	.0011	.0004	.0004	.0005	.0120	.0009
%RSD	44.79	1.450	15.05	175.4	237.7	38.04	70.84	1408.	21.64
#1	.0002	.0008	.0013	-.0001	-.0001	-.0015	.0004	.0076	-.0046
#2	.0005	.0008	.0016	.0014	.0004	-.0008	.0011	-.0093	-.0034

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0051**	**-.0166**	**.0184**	**-.0228**	**.0001**	**.0005**	**-.0008**	**.0043**	**.0004**
Stddev	.0054	.0037	.0439	.0020	.0005	.0001	.0008	.0006	.0002
%RSD	106.0	22.52	239.2	8.844	637.7	31.11	92.56	14.55	57.75
#1	.0089	-.0192	-.0127	-.0214	.0004	.0006	-.0003	.0039	.0005
#2	.0013	-.0140	.0494	-.0243	-.0003	.0004	-.0013	.0048	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0001**	**.0298**	**.0017**	**.0005**	**-.0001**	**.0009**
Stddev	.0001	.0007	.0021	.0001	.0009	.0001	.0001
%RSD	705.6	741.3	7.108	8.814	162.9	226.2	12.86
#1	.0001	-.0006	.0313	.0018	.0011	-.0002	.0008
#2	-.0001	.0004	.0283	.0016	-.0001	.0000	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75196.**	**8502.2**	**2713.6**	**3806.6**
Stddev	215.	27.6	29.7	44.1
%RSD	.28627	.32504	1.0958	1.1583
#1	75044.	8482.7	2692.5	3775.4
#2	75349.	8521.8	2734.6	3837.7

Zoom In Zoom Out

Sample Name: jb68176-42f 2 Acquired: 6/6/2014 19:59:55 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3665**	**.0005**	**.0045**	**.0181**	**.0034**	**.0055**	**8.792**	**.0116**	**.0071**
Stddev	.0038	.0000	.0001	.0002	.0004	.0001	.376	.0001	.0012
%RSD	1.044	5.500	2.500	.9002	11.12	1.806	4.277	1.080	17.14
#1	.3638	.0006	.0046	.0180	.0036	.0055	8.526	.0115	.0079
#2	.3692	.0005	.0044	.0183	.0031	.0054	9.058	.0117	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0112**	**.4839**	**.0169**	**-.0024**	**.0178**	**.0070**	**.0001**	**1.085**	**213.4**
Stddev	.0009	.0043	.0004	.0001	.0001	.0021	.0005	.030	1.8
%RSD	7.789	.8921	2.375	3.336	.3905	30.23	377.6	2.743	.8469
#1	.0106	.4808	.0166	-.0023	.0178	.0055	-.0002	1.064	212.1
#2	.0118	.4869	.0172	-.0024	.0177	.0085	.0005	1.106	214.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**92.25**	**42.41**	**23.56**	**298.9**	**.1817**	**.0004**	**.0131**	**14.60**	**-.0012**
Stddev	.88	.21	.19	6.1	.0023	.0000	.0024	.14	.0007
%RSD	.9504	.5046	.8247	2.052	1.286	11.99	18.10	.9487	59.67
#1	91.63	42.26	23.42	294.6	.1800	.0004	.0114	14.50	-.0017
#2	92.87	42.56	23.70	303.2	.1833	.0004	.0147	14.70	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.120**	**.0316**	**.0159**	**-.0084**	**15.36**	**.0120**	**.0151**
Stddev	.013	.0017	.0015	.0002	.17	.0009	.0011
%RSD	1.118	5.350	9.679	1.821	1.120	7.807	7.316
#1	1.112	.0304	.0170	-.0083	15.24	.0114	.0143
#2	1.129	.0328	.0148	-.0085	15.48	.0127	.0159

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**67804.**	**8028.1**	**2414.7**	**3303.5**
Stddev	1742.	76.6	17.0	27.6
%RSD	2.5685	.95386	.70559	.83680
#1	69035.	8082.3	2426.7	3323.1
#2	66572.	7974.0	2402.6	3284.0

Zoom In Zoom Out

Sample Name: jb68223-2 Acquired: 6/6/2014 20:06:05 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0224**	**.0001**	**.0002**	**.0019**	**.0021**	**.0023**	**.3680**	**.0030**	**.0008**
Stddev	.0002	.0001	.0001	.0001	.0005	.0004	.0250	.0001	.0001
%RSD	.9355	105.0	36.01	3.076	25.56	15.22	6.799	4.347	10.16
#1	.0226	.0001	.0002	.0019	.0025	.0021	.3503	.0029	.0008
#2	.0223	.0000	.0003	.0018	.0017	.0026	.3857	.0031	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0084**	**.0014**	**.0017**	**.0016**	**.0040**	**.0008**	**.6843**	**40.37**
Stddev	.0003	.0000	.0004	.0006	.0012	.0005	.0006	.0088	.01
%RSD	17.72	.5961	26.53	32.73	74.71	13.32	71.47	1.291	.0255
#1	.0018	.0083	.0016	.0013	.0007	.0036	.0012	.6905	40.38
#2	.0014	.0084	.0011	.0021	.0024	.0043	.0004	.6780	40.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.305**	**2.689**	**8.921**	**2.050**	**.0281**	**.0005**	**.0026**	**1.403**	**-.0003**
Stddev	.004	.036	.058	.011	.0001	.0000	.0002	.005	.0003
%RSD	.2792	1.349	.6448	.5546	.2089	8.444	8.099	.3350	122.9
#1	1.303	2.663	8.881	2.042	.0281	.0005	.0024	1.406	-.0005
#2	1.308	2.715	8.962	2.058	.0280	.0005	.0027	1.399	-.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1003**	**.0171**	**.0054**	**-.0004**	**4.605**	**.0009**	**.0017**
Stddev	.0000	.0015	.0004	.0002	.002	.0005	.0001
%RSD	.0431	8.595	7.926	63.33	.0334	58.31	3.128
#1	.1003	.0161	.0057	-.0005	4.604	.0005	.0018
#2	.1003	.0182	.0051	-.0002	4.606	.0013	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75897.**	**8496.2**	**2668.0**	**3781.7**
Stddev	4627.	13.1	6.6	1.6
%RSD	6.0964	.15461	.24572	.04302
#1	79169.	8505.5	2663.4	3782.9
#2	72625.	8486.9	2672.6	3780.6

Zoom In Zoom Out

Sample Name: jb68223-3 Acquired: 6/6/2014 20:12:06 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0000**	**-.0001**	**.0001**	**.0001**	**.0003**	**.0004**	**-.0001**	**-.0005**
Stddev	.0000	.0000	.0000	.0000	.0003	.0003	.0000	.0002	.0005
%RSD	26.53	101.7	53.44	45.63	582.6	113.1	8.592	221.6	119.3
#1	.0002	-.0001	-.0001	.0001	.0003	.0005	.0004	-.0002	-.0008
#2	.0001	-.0000	-.0000	.0001	-.0002	.0001	.0004	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0011**	**.0003**	**.0001**	**-.0003**	**-.0011**	**-.0002**	**-.0148**	**.0033**
Stddev	.0000	.0000	.0001	.0001	.0010	.0001	.0005	.0062	.0022
%RSD	128.1	4.133	50.33	62.18	409.8	8.052	259.4	41.64	65.10
#1	.0000	.0011	.0004	.0001	.0005	-.0011	-.0005	-.0104	.0049
#2	.0000	.0011	.0002	.0000	-.0010	-.0010	.0001	-.0192	.0018

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0054**	**-.0663**	**.0199**	**.0143**	**.0003**	**.0001**	**.0003**	**.0203**	**.0008**
Stddev	.0028	.0240	.0038	.0012	.0004	.0000	.0007	.0009	.0006
%RSD	52.21	36.14	18.97	8.175	165.3	24.84	234.8	4.444	79.56
#1	.0074	-.0832	.0172	.0135	-.0000	.0002	-.0002	.0197	.0003
#2	.0034	-.0493	.0226	.0151	.0006	.0001	.0008	.0210	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**.0107**	**.0005**	**.0103**	**.0006**	**.0004**
Stddev	.0001	.0001	.0014	.0002	.0003	.0006	.0006
%RSD	152.2	28.64	13.35	38.85	2.803	101.6	163.1
#1	.0002	.0003	.0118	.0006	.0101	.0002	-.0001
#2	-.0000	.0005	.0097	.0004	.0105	.0010	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75781.**	**8457.8**	**2712.0**	**3804.6**
Stddev	3471.	279.3	2.9	5.0
%RSD	4.5800	3.3023	.10795	.13013
#1	73327.	8260.3	2710.0	3801.1
#2	78235.	8655.3	2714.1	3808.1

Zoom In Zoom Out

Sample Name: mp79829a-mb1conf Acquired: 6/6/2014 20:18:09 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**-.0000**	**-.0002**	**-.0000**	**.0009**	**.0002**	**.0011**	**.0038**	**-.0004**
Stddev	.0000	.0001	.0002	.0003	.0005	.0003	.0000	.0000	.0003
%RSD	4.758	18940.	97.30	3466.	55.17	156.7	1.190	.1953	88.38
#1	.0010	-.0001	-.0001	.0002	.0012	.0004	.0011	.0038	-.0006
#2	.0010	.0001	-.0003	-.0002	.0005	-.0000	.0011	.0038	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0040**	**.0006**	**.0005**	**.0003**	**-.0001**	**.0003**	**.0214**	**.1296**
Stddev	.0002	.0002	.0003	.0008	.0006	.0003	.0001	.0068	.0028
%RSD	68.37	3.782	58.47	143.2	191.0	413.6	24.61	31.98	2.125
#1	.0004	.0039	.0003	.0011	.0008	-.0003	.0003	.0263	.1316
#2	.0001	.0041	.0008	-.0000	-.0001	.0002	.0002	.0166	.1277

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0522**	**-.0018**	**.0501**	**.0693**	**.0002**	**.0010**	**.0004**	**.0239**	**.0185**
Stddev	.0012	.0274	.0066	.0109	.0005	.0001	.0003	.0002	.0000
%RSD	2.279	1563.	13.11	15.65	341.8	8.287	57.59	.6317	.0165
#1	.0514	-.0211	.0548	.0617	-.0002	.0010	.0003	.0240	.0185
#2	.0531	.0176	.0455	.0770	.0005	.0009	.0006	.0238	.0185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0008**	**.0074**	**.0010**	**.0089**	**-.0003**	**.0001**
Stddev	.0000	.0008	.0003	.0001	.0002	.0002	.0002
%RSD	.3007	90.32	3.421	6.989	2.462	56.21	251.6
#1	.0005	.0014	.0076	.0010	.0087	-.0002	-.0001
#2	.0005	.0003	.0072	.0011	.0090	-.0004	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74929.**	**8214.2**	**2724.3**	**3822.4**
Stddev	5056.	307.8	8.7	4.2
%RSD	6.7470	3.7466	.32012	.11113
#1	71354.	8431.8	2718.1	3819.4
#2	78504.	7996.5	2730.5	3825.4

Zoom In Zoom Out

Sample Name: jb67991-18 2 Acquired: 6/6/2014 20:24:12 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4079**	**.0039**	**.0024**	**.0641**	**.1713**	**.1347**	**1.994**	**.1304**	**.0066**
Stddev	.0020	.0000	.0000	.0009	.0005	.0000	.007	.0019	.0004
%RSD	.4973	.9168	.9089	1.451	.2662	.0115	.3408	1.458	5.801
#1	.4093	.0039	.0024	.0634	.1716	.1347	1.999	.1290	.0063
#2	.4065	.0040	.0024	.0647	.1710	.1347	1.989	.1317	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2394**	**.5046**	**.0505**	**.0000**	**.5093**	**.0065**	**.0023**	**86.63**	**1.551**
Stddev	.0004	.0062	.0007	.0011	.0071	.0021	.0004	.28	.012
%RSD	.1499	1.226	1.426	5403.	1.390	31.38	15.67	.3277	.7472
#1	.2396	.5002	.0499	.0008	.5043	.0080	.0026	86.83	1.543
#2	.2391	.5089	.0510	-.0007	.5143	.0051	.0021	86.42	1.559

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**108.3**	**7.726**	**4.544**	**.2542**	**.0217**	**.0115**	**-.0041**	**4.736**	**.0394**
Stddev	.5	.038	.050	.0204	.0000	.0001	.0001	.046	.0003
%RSD	.4416	.4898	1.106	8.044	.1848	1.301	1.492	.9725	.8563
#1	108.7	7.700	4.509	.2687	.0217	.0114	-.0041	4.703	.0396
#2	108.0	7.753	4.580	.2397	.0217	.0116	-.0040	4.768	.0392

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0319**	**1.711**	**.0272**	**.0143**	**2.002**	**.0053**	**.0914**
Stddev	.0003	.006	.0010	.0004	.019	.0016	.0010
%RSD	1.052	.3573	3.786	2.684	.9698	30.46	1.102
#1	.0321	1.715	.0265	.0146	1.988	.0041	.0907
#2	.0317	1.707	.0279	.0140	2.016	.0064	.0921

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	74585.	8583.4	2746.7	3777.1
Stddev	160.	38.2	16.4	30.3
%RSD	.21483	.44454	.59562	.80184
#1	74471.	8556.4	2758.3	3798.5
#2	74698.	8610.4	2735.2	3755.7

Zoom In Zoom Out

Sample Name: jb67991-19 Acquired: 6/6/2014 20:30:07 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5366**	**.0069**	**.0027**	**.1218**	**.1825**	**.1486**	**3.779**	**.1644**	**.0072**
Stddev	.0015	.0001	.0002	.0002	.0015	.0007	.005	.0001	.0002
%RSD	.2772	1.067	5.690	.1662	.8155	.4754	.1381	.0632	2.120
#1	.5377	.0069	.0026	.1216	.1815	.1491	3.776	.1643	.0071
#2	.5356	.0070	.0028	.1219	.1836	.1481	3.783	.1645	.0073

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2502**	**.5501**	**.0540**	**.0013**	**.5867**	**.0096**	**.0033**	**109.6**	**2.566**
Stddev	.0006	.0006	.0001	.0003	.0019	.0031	.0009	.0	.022
%RSD	.2325	.1080	.2182	20.02	.3187	31.85	28.08	.0450	.8755
#1	.2506	.5505	.0541	.0011	.5854	.0118	.0040	109.5	2.550
#2	.2497	.5497	.0539	.0015	.5881	.0075	.0027	109.6	2.582

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**127.4**	**9.365**	**5.424**	**.3247**	**.0247**	**.0126**	**-.0051**	**6.663**	**.0370**
Stddev	.4	.132	.055	.0006	.0006	.0001	.0009	.012	.0004
%RSD	.3356	1.405	1.014	.1708	2.612	1.057	18.76	.1770	.9771
#1	127.1	9.272	5.463	.3251	.0252	.0127	-.0057	6.671	.0372
#2	127.7	9.458	5.385	.3244	.0242	.0125	-.0044	6.654	.0367

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0443**	**1.895**	**.0301**	**.0198**	**2.462**	**.0068**	**.1146**
Stddev	.0001	.000	.0010	.0005	.002	.0007	.0011
%RSD	.1722	.0182	3.421	2.322	.0617	10.10	.9719
#1	.0443	1.895	.0308	.0195	2.463	.0073	.1154
#2	.0442	1.895	.0293	.0202	2.461	.0063	.1138

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	73925.	8485.8	2723.7	3704.2
Stddev	164.	58.0	14.4	7.9
%RSD	.22187	.68333	.52870	.21443
#1	74041.	8526.8	2713.6	3698.6
#2	73809.	8444.8	2733.9	3709.8

Zoom In Zoom Out

Sample Name: jb67991-20 Acquired: 6/6/2014 20:36:01 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3744**	**.0041**	**.0023**	**.0567**	**.1578**	**.1380**	**1.629**	**.1151**	**.0062**
Stddev	.0012	.0001	.0000	.0001	.0006	.0001	.001	.0004	.0003
%RSD	.3211	1.624	1.792	.2365	.3647	.0703	.0831	.3844	4.180
#1	.3753	.0041	.0022	.0568	.1574	.1381	1.630	.1148	.0060
#2	.3736	.0040	.0023	.0566	.1582	.1380	1.628	.1154	.0064

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2090**	**.5146**	**.0419**	**.0017**	**.4402**	**.0069**	**.0050**	**82.27**	**3.893**
Stddev	.0005	.0027	.0007	.0002	.0013	.0013	.0000	.86	.044
%RSD	.2454	.5304	1.685	11.34	.3029	19.14	.8789	1.045	1.138
#1	.2094	.5127	.0414	.0019	.4392	.0060	.0050	82.87	3.924
#2	.2087	.5166	.0424	.0016	.4411	.0079	.0051	81.66	3.862

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**96.67**	**8.315**	**4.558**	**.3629**	**.0215**	**.0090**	**-.0031**	**5.335**	**.0385**
Stddev	.83	.068	.000	.0078	.0003	.0001	.0012	.022	.0007
%RSD	.8569	.8218	.0017	2.150	1.607	.6872	38.36	.4189	1.855
#1	97.26	8.363	4.558	.3684	.0213	.0089	-.0023	5.351	.0380
#2	96.09	8.267	4.558	.3574	.0218	.0090	-.0040	5.320	.0390

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0401**	**1.832**	**.0163**	**.0105**	**2.460**	**.0039**	**.1069**
Stddev	.0001	.001	.0005	.0002	.003	.0004	.0008
%RSD	.3054	.0274	2.865	1.559	.1259	10.21	.7266
#1	.0401	1.832	.0166	.0104	2.458	.0037	.1074
#2	.0400	1.831	.0159	.0106	2.462	.0042	.1063

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74327.**	**8612.7**	**2709.9**	**3715.4**
Stddev	155.	33.3	11.6	6.6
%RSD	.20818	.38605	.42967	.17819
#1	74218.	8589.2	2701.6	3710.7
#2	74437.	8636.2	2718.1	3720.1

Zoom In Zoom Out

Sample Name: jb67991-22 Acquired: 6/6/2014 20:41:56 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0753**	**.0010**	**.0968**	**.0096**	**.1172**	**.5481**	**.5612**	**.0194**	**.0479**
Stddev	.0002	.0001	.0002	.0001	.0009	.0041	.0003	.0004	.0008
%RSD	.2562	10.24	.2306	1.329	.7992	.7416	.0539	2.094	1.669
#1	.0755	.0009	.0969	.0095	.1179	.5510	.5614	.0197	.0473
#2	.0752	.0010	.0966	.0097	.1166	.5452	.5610	.0191	.0484

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0322**	**.3161**	**.3788**	**.0938**	**.2165**	**.0400**	**.1736**	**27.81**	**10.43**
Stddev	.0001	.0008	.0001	.0013	.0004	.0025	.0000	.06	.01
%RSD	.2842	.2634	.0383	1.425	.2002	6.195	.0234	.2118	.0824
#1	.0323	.3155	.3789	.0947	.2162	.0382	.1735	27.77	10.42
#2	.0322	.3167	.3787	.0929	.2168	.0417	.1736	27.85	10.43

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**32.56**	**5.017**	**3.494**	**.3632**	**.0083**	**.0062**	**.0043**	**3.977**	**.0263**
Stddev	.06	.086	.029	.0123	.0006	.0001	.0003	.012	.0004
%RSD	.1768	1.716	.8147	3.380	7.092	1.860	5.971	.2924	1.503
#1	32.61	4.956	3.473	.3718	.0088	.0061	.0041	3.985	.0260
#2	32.52	5.077	3.514	.3545	.0079	.0062	.0045	3.969	.0266

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0241**	**.8390**	**.0140**	**.0017**	**.8384**	**.0016**	**.0160**
Stddev	.0001	.0031	.0002	.0001	.0013	.0019	.0002
%RSD	.4049	.3704	1.575	6.672	.1539	122.2	1.379
#1	.0240	.8368	.0142	.0018	.8374	.0030	.0161
#2	.0241	.8412	.0139	.0016	.8393	.0002	.0158

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74912.**	**8499.4**	**2763.4**	**3822.5**
Stddev	119.	31.3	5.4	8.5
%RSD	.15834	.36796	.19599	.22201
#1	74828.	8521.5	2759.6	3816.5
#2	74996.	8477.3	2767.2	3828.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 20:47:54 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.077**	**2.070**	**1.981**	**2.051**	**1.915**	**1.822**	**1.952**	**2.065**	**.2339**
Stddev	.113	.112	.038	.037	.026	.024	.022	.037	.0043
%RSD	5.451	5.403	1.933	1.787	1.347	1.326	1.136	1.798	1.840
#1	2.157	2.149	1.954	2.025	1.933	1.839	1.968	2.039	.2369
#2	1.997	1.991	2.008	2.077	1.896	1.805	1.937	2.091	.2308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.925**	**2.054**	**2.006**	**2.064**	**2.054**	**2.004**	**1.987**	**40.21**	**40.91**
Stddev	.021	.042	.044	.034	.037	.042	.039	2.12	2.18
%RSD	1.110	2.058	2.201	1.657	1.789	2.070	1.957	5.279	5.334
#1	1.940	2.024	1.975	2.040	2.028	1.975	1.960	41.72	42.45
#2	1.910	2.084	2.037	2.088	2.080	2.033	2.015	38.71	39.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.56**	**40.62**	**41.90**	**41.76**	**1.998**	**2.021**	**1.824**	**4.998**	**2.041**
Stddev	2.31	2.07	2.20	2.28	.042	.042	.019	.103	.043
%RSD	5.566	5.089	5.256	5.462	2.092	2.068	1.038	2.066	2.098
#1	43.20	42.08	43.45	43.38	1.968	1.991	1.838	4.925	2.011
#2	39.92	39.16	40.34	40.15	2.027	2.051	1.811	5.071	2.071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 20:47:54 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**1.925**	**1.948**	**1.929**	**1.973**	**1.996**	**2.022**
Stddev	.112	.016	.068	.023	.039	.038	.109
%RSD	5.445	.8543	3.505	1.178	1.989	1.926	5.410
#1	2.139	1.936	1.899	1.945	1.946	1.968	2.099
#2	1.980	1.913	1.996	1.913	2.001	2.023	1.944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73826.**	**8050.6**	**2594.8**	**3548.9**
Stddev	658.	348.6	47.4	57.7
%RSD	.89094	4.3299	1.8255	1.6253
#1	73361.	7804.1	2628.3	3589.7
#2	74291.	8297.1	2561.4	3508.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 20:53:43 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**-.0001**	**.0001**	**.0005**	**-.0001**	**.0001**	**.0002**	**-.0001**
Stddev	.0001	.0000	.0002	.0002	.0001	.0005	.0001	.0002	.0004
%RSD	34.15	48.49	151.0	234.1	29.83	751.8	61.96	91.59	350.4
#1	.0001	.0000	.0000	.0002	.0004	.0003	.0001	.0004	.0002
#2	.0002	.0001	-.0003	-.0001	.0006	-.0005	.0002	.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0015**	**.0003**	**.0004**	**-.0014**	**.0001**	**-.0047**	**-.0061**
Stddev	.0001	.0001	.0002	.0003	.0007	.0005	.0001	.0023	.0021
%RSD	23.34	61.72	16.13	116.8	167.9	35.65	75.29	48.58	34.71
#1	.0002	.0001	.0013	.0005	.0009	-.0018	.0001	-.0031	-.0046
#2	.0003	.0002	.0017	.0000	-.0001	-.0011	.0002	-.0063	-.0076
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	**.0102**	**-.0270**	**.0304**	**-.0071**	**.0003**	**.0006**	**.0008**	**.0014**	**.0001**
Stddev	.0059	.0375	.0343	.0031	.0002	.0002	.0015	.0001	.0000
%RSD	57.80	139.1	113.1	44.42	71.75	31.92	175.4	9.324	16.76
#1	.0060	-.0535	.0061	-.0093	.0005	.0008	.0019	.0013	.0001
#2	.0144	-.0004	.0547	-.0049	.0002	.0005	-.0002	.0015	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 20:53:43 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0000**	**.0241**	**.0012**	**.0020**	**.0021**	**.0007**
Stddev	.0000	.0007	.0025	.0002	.0007	.0007	.0004
%RSD	8.945	6233.	10.40	16.47	35.07	33.33	59.35
#1	.0002	.0005	.0259	.0010	.0025	.0016	.0004
#2	.0002	-.0005	.0223	.0013	.0015	.0026	.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	**74769.**	**8395.4**	**2736.6**	**3830.8**
Stddev	135.	23.6	28.1	44.4
%RSD	.18101	.28115	1.0257	1.1603
#1	74864.	8378.7	2756.5	3862.2
#2	74673.	8412.1	2716.8	3799.3

Zoom In Zoom Out

Sample Name: mp79823-mb3 2 Acquired: 6/6/2014 20:59:49 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0046**	**.0000**	**.0001**	**.0004**	**.0033**	**.0051**	**.0038**	**.0026**	**-.0008**
Stddev	.0002	.0000	.0000	.0000	.0001	.0001	.0000	.0003	.0001
%RSD	3.706	393.1	14.58	11.39	2.964	2.410	.1641	9.756	16.34
#1	.0045	.0000	.0001	.0004	.0033	.0050	.0038	.0028	-.0007
#2	.0048	-.0000	.0001	.0003	.0032	.0051	.0038	.0024	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0014**	**.0005**	**-.0011**	**.0021**	**.0017**	**.0013**	**.0097**	**.1727**
Stddev	.0000	.0002	.0000	.0002	.0001	.0002	.0006	.0052	.0025
%RSD	14.25	11.30	6.917	21.13	4.706	11.15	49.66	53.23	1.471
#1	.0003	.0015	.0005	-.0013	.0021	.0016	.0018	.0134	.1745
#2	.0003	.0013	.0005	-.0010	.0022	.0018	.0008	.0061	.1709

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0421**	**.0114**	**.1875**	**1054.**	**.0026**	**.0006**	**.0001**	**.1777**	**.0021**
Stddev	.0046	.0196	.0386	50.	.0003	.0000	.0012	.0001	.0002
%RSD	10.94	172.1	20.57	4.764	10.79	6.004	853.2	.0613	8.879
#1	.0389	.0253	.2148	1018.	.0028	.0006	.0010	.1776	.0022
#2	.0454	-.0025	.1603	1089.	.0024	.0005	-.0007	.1778	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0058**	**.0003**	**.0274**	**.0017**	**.0435**	**.0006**	**.0013**
Stddev	.0001	.0005	.0021	.0002	.0026	.0018	.0005
%RSD	1.516	144.8	7.801	10.04	5.888	279.8	37.20
#1	.0057	.0007	.0289	.0018	.0416	-.0006	.0009
#2	.0058	-.0000	.0259	.0016	.0453	.0019	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63894.**	**7798.7**	**2401.5**	**3135.0**
Stddev	11.	28.7	1.3	2.6
%RSD	.01709	.36744	.05315	.08158
#1	63887.	7819.0	2402.4	3136.8
#2	63902.	7778.5	2400.6	3133.2

Zoom In Zoom Out

Sample Name: mp79823-lc2 Acquired: 6/6/2014 21:05:58 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5161**	**.4848**	**.4696**	**.4733**	**.4849**	**.4654**	**.4920**	**.4852**	**.1974**
Stddev	.0012	.0016	.0020	.0060	.0000	.0023	.0015	.0057	.0013
%RSD	.2244	.3209	.4253	1.269	.0060	.4894	.2990	1.176	.6414
#1	.5153	.4859	.4682	.4691	.4849	.4670	.4910	.4812	.1983
#2	.5170	.4837	.4710	.4776	.4850	.4638	.4930	.4893	.1965

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4634**	**.4832**	**.4702**	**.5018**	**.4841**	**.4756**	**.4597**	**5.028**	**5.695**
Stddev	.0010	.0061	.0037	.0041	.0042	.0030	.0004	.007	.015
%RSD	.2154	1.272	.7855	.8200	.8772	.6325	.0862	.1382	.2598
#1	.4627	.4788	.4676	.4989	.4811	.4735	.4599	5.023	5.706
#2	.4641	.4875	.4728	.5047	.4871	.4777	.4594	5.033	5.685

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.795**	**5.445**	**10.49**	**10.94**	**.0065**	**.4777**	**.0022**	**.0317**	**.0001**
Stddev	.019	.046	.02	.01	.0002	.0033	.0004	.0006	.0002
%RSD	.3261	.8491	.1771	.1104	2.515	.6981	18.97	1.839	177.7
#1	5.782	5.412	10.48	10.93	.0063	.4754	.0024	.0321	.0003
#2	5.808	5.477	10.50	10.94	.0066	.4801	.0019	.0312	-.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4864**	**.0466**	**.0067**	**.0048**	**.0023**	**.0004**
Stddev	.0000	.0010	.0019	.0004	.0004	.0011	.0010
%RSD	48.85	.2023	4.073	5.945	8.753	47.20	265.2
#1	-.0001	.4857	.0480	.0070	.0051	.0016	.0011
#2	-.0001	.4870	.0453	.0064	.0045	.0031	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71948.**	**8131.5**	**2650.4**	**3729.9**
Stddev	147.	13.1	1.7	17.4
%RSD	.20470	.16072	.06422	.46631
#1	72052.	8122.2	2651.6	3742.2
#2	71843.	8140.7	2649.2	3717.6

Zoom In Zoom Out

Sample Name: jb67865-1r Acquired: 6/6/2014 21:11:53 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1640**	**.0000**	**.0005**	**.0008**	**.0253**	**.0026**	**-.0007**	**.0032**	**.0088**
Stddev	.0015	.0001	.0000	.0003	.0004	.0004	.0001	.0002	.0005
%RSD	.9069	167.7	2.631	35.85	1.418	14.58	10.92	5.523	6.089
#1	.1629	.0001	.0005	.0011	.0255	.0023	-.0006	.0033	.0085
#2	.1650	-.0000	.0005	.0006	.0250	.0028	-.0008	.0031	.0092

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0102**	**-.0000**	**.0050**	**.0009**	**.0044**	**.0135**	**.0032**	**.2047**	**595.4**
Stddev	.0004	.0000	.0000	.0002	.0007	.0001	.0003	.0010	1.5
%RSD	3.959	180.3	.4241	19.85	15.69	.7691	8.311	.4946	.2449
#1	.0105	-.0001	.0050	.0008	.0049	.0134	.0030	.2040	594.3
#2	.0099	.0000	.0050	.0010	.0039	.0136	.0033	.2054	596.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0542**	**3.504**	**13.47**	**1066.**	**.1278**	**.0021**	**.0340**	**33.52**	**-.0035**
Stddev	.0023	.084	.17	29.	.0008	.0001	.0003	.18	.0008
%RSD	4.226	2.402	1.248	2.698	.6171	5.878	.9493	.5269	23.64
#1	.0525	3.444	13.35	1046.	.1273	.0022	.0342	33.40	-.0041
#2	.0558	3.563	13.59	1086.	.1284	.0020	.0337	33.65	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.576**	**.0017**	**-.0129**	**-.0296**	**26.41**	**.0130**	**.0202**
Stddev	.022	.0001	.0011	.0001	.16	.0014	.0008
%RSD	.8646	4.323	8.361	.4721	.5899	10.59	4.018
#1	2.560	.0018	-.0121	-.0295	26.30	.0140	.0208
#2	2.591	.0017	-.0136	-.0297	26.52	.0120	.0196

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61626.**	**7551.5**	**2234.7**	**2945.4**
Stddev	322.	59.8	5.9	5.0
%RSD	.52278	.79156	.26518	.17120
#1	61398.	7593.8	2238.9	2949.0
#2	61854.	7509.2	2230.5	2941.8

Zoom In Zoom Out

Sample Name: mp79902-mb1conf Acquired: 6/6/2014 21:18:00 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0006**	**-.0000**	**.0000**	**-.0000**	**.0010**	**.0012**	**.0007**	**.0072**	**-.0002**
Stddev	.0001	.0002	.0000	.0001	.0003	.0002	.0001	.0010	.0003
%RSD	16.22	438.4	226.2	900.9	26.60	13.40	15.57	13.27	158.8
#1	.0005	-.0002	-.0000	-.0001	.0012	.0011	.0008	.0079	-.0004
#2	.0006	.0001	.0001	.0001	.0008	.0013	.0006	.0065	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0017**	**-.0006**	**.0009**	**.0009**	**-.0009**	**-.0007**	**.0091**	**.0351**
Stddev	.0002	.0004	.0020	.0001	.0011	.0001	.0003	.0113	.0020
%RSD	743.2	22.00	353.0	14.83	130.8	15.17	44.55	123.7	5.618
#1	.0001	.0019	-.0020	.0009	.0017	-.0008	-.0009	.0011	.0365
#2	-.0002	.0014	.0009	.0008	.0001	-.0010	-.0005	.0171	.0337

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0213**	**.0082**	**.0354**	**.3746**	**-.0005**	**.0014**	**.0005**	**.0121**	**.0071**
Stddev	.0040	.0002	.0764	.0007	.0002	.0002	.0005	.0013	.0005
%RSD	18.85	1.944	216.0	.1784	45.25	13.39	97.08	10.88	6.671
#1	.0241	.0083	-.0186	.3751	-.0003	.0015	.0009	.0131	.0074
#2	.0185	.0081	.0894	.3741	-.0006	.0013	.0002	.0112	.0067

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0004**	**-.0104**	**-.0003**	**.0050**	**.0008**	**.0005**
Stddev	.0000	.0003	.0014	.0000	.0012	.0007	.0002
%RSD	13.93	69.13	13.04	10.30	23.06	95.99	45.77
#1	.0002	.0002	-.0094	-.0003	.0059	.0013	.0006
#2	.0002	.0006	-.0113	-.0003	.0042	.0002	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72113.**	**8283.7**	**2631.3**	**3720.1**
Stddev	299.	40.8	7.1	15.4
%RSD	.41486	.49281	.26935	.41498
#1	71902.	8254.8	2626.3	3709.1
#2	72325.	8312.5	2636.3	3731.0

Zoom In Zoom Out

Sample Name: mp79902-mb1conf Acquired: 6/6/2014 21:24:05 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**.0000**	**.0001**	**.0000**	**.0009**	**.0004**	**.0007**	**.0008**	**-.0003**
Stddev	.0002	.0000	.0000	.0001	.0000	.0003	.0000	.0000	.0002
%RSD	21.05	67.95	38.43	128.8	5.062	81.91	2.852	.0514	48.13
#1	.0012	.0000	.0001	.0000	.0009	.0006	.0007	.0008	-.0004
#2	.0009	.0000	.0000	.0001	.0009	.0002	.0007	.0008	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0062**	**.0007**	**-.0011**	**.0001**	**.0020**	**.0007**	**.0077**	**.1694**
Stddev	.0001	.0002	.0005	.0003	.0002	.0005	.0009	.0103	.0049
%RSD	32.08	3.342	74.32	23.21	259.6	26.36	123.0	134.4	2.888
#1	.0002	.0060	.0003	-.0013	.0002	.0023	.0001	.0004	.1729
#2	.0001	.0063	.0011	-.0009	-.0001	.0016	.0014	.0149	.1659

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0498**	**.0197**	**.1029**	**.1564**	**.0005**	**.0004**	**-.0001**	**.0463**	**.0243**
Stddev	.0038	.0526	.0218	.0021	.0003	.0002	.0004	.0003	.0004
%RSD	7.693	267.2	21.21	1.353	62.91	41.52	730.4	.6005	1.633
#1	.0471	.0569	.0875	.1579	.0008	.0005	.0003	.0465	.0240
#2	.0525	-.0175	.1183	.1549	.0003	.0003	-.0004	.0461	.0246

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0006**	**.0007**	**.0205**	**.0012**	**.0105**	**.0001**	**.0008**
Stddev	.0000	.0002	.0008	.0001	.0013	.0004	.0004
%RSD	6.290	31.93	3.844	10.15	12.21	785.0	52.03
#1	.0006	.0006	.0211	.0011	.0114	-.0002	.0012
#2	.0007	.0009	.0200	.0013	.0095	.0003	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72223.**	**8124.0**	**2654.4**	**3722.2**
Stddev	69.	82.1	4.8	.2
%RSD	.09496	1.0101	.18050	.00570
#1	72271.	8182.0	2651.0	3722.4
#2	72174.	8066.0	2657.8	3722.1

Zoom In Zoom Out

Sample Name: mp79902-b1conf Acquired: 6/6/2014 21:30:10 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.921**	**.0982**	**.0927**	**.9625**	**.3868**	**.4628**	**.9622**	**.9999**	**.0999**
Stddev	.033	.0000	.0000	.0044	.0053	.0086	.0100	.0051	.0019
%RSD	.8443	.0108	.0438	.4532	1.367	1.859	1.037	.5109	1.862
#1	3.898	.0982	.0927	.9594	.3831	.4567	.9552	.9962	.0986
#2	3.945	.0982	.0927	.9656	.3906	.4689	.9693	1.003	.1012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9036**	**.9708**	**3.770**	**3.914**	**.9502**	**3.833**	**.9236**	**50.37**	**12.08**
Stddev	.0112	.0066	.017	.025	.0024	.018	.0061	.20	.02
%RSD	1.238	.6829	.4364	.6390	.2534	.4681	.6586	.3891	.2018
#1	.8957	.9661	3.759	3.896	.9485	3.821	.9193	50.23	12.06
#2	.9115	.9755	3.782	3.931	.9519	3.846	.9279	50.51	12.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**50.29**	**11.84**	**12.28**	**12.99**	**-.0002**	**.0066**	**.0048**	**.0276**	**.0117**
Stddev	.16	.02	.03	.09	.0002	.0002	.0005	.0003	.0001
%RSD	.3205	.1442	.2375	.6827	106.1	2.979	11.21	1.004	.6579
#1	50.18	11.83	12.25	12.93	-.0001	.0065	.0052	.0278	.0117
#2	50.41	11.86	12.30	13.05	-.0004	.0068	.0044	.0274	.0118

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0024**	**.0485**	**.0024**	**.0090**	**.0065**	**.0004**
Stddev	.0000	.0001	.0012	.0001	.0013	.0007	.0002
%RSD	14.25	5.695	2.434	4.084	15.02	10.40	37.12
#1	.0002	.0025	.0477	.0023	.0099	.0060	.0005
#2	.0002	.0023	.0494	.0025	.0080	.0070	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72527.**	**8166.5**	**2592.3**	**3640.1**
Stddev	782.	23.8	7.8	9.2
%RSD	1.0787	.29105	.30157	.25289
#1	73080.	8183.3	2597.8	3646.7
#2	71974.	8149.7	2586.7	3633.6

Zoom In Zoom Out

Sample Name: mp79902-s1 Acquired: 6/6/2014 21:36:02 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.059**	**.0985**	**.0942**	**.9922**	**.4527**	**.5497**	**2.712**	**1.073**	**.1021**
Stddev	.011	.0002	.0002	.0025	.0003	.0027	.004	.003	.0003
%RSD	.2700	.1622	.2138	.2514	.0655	.4867	.1602	.2379	.2510
#1	4.067	.0986	.0941	.9905	.4525	.5478	2.709	1.071	.1023
#2	4.052	.0984	.0944	.9940	.4529	.5516	2.715	1.074	.1019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.010**	**1.160**	**3.738**	**3.879**	**1.009**	**3.780**	**.6278**	**103.5**	**19.34**
Stddev	.002	.004	.007	.010	.001	.010	.0005	.1	.03
%RSD	.2274	.3122	.1765	.2566	.1157	.2674	.0752	.1053	.1581
#1	1.009	1.157	3.733	3.872	1.008	3.772	.6282	103.6	19.32
#2	1.012	1.163	3.742	3.886	1.010	3.787	.6275	103.4	19.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**137.7**	**27.38**	**18.59**	**14.22**	**.0175**	**.0104**	**-.0048**	**2.993**	**.0157**
Stddev	.1	.10	.00	.06	.0004	.0003	.0018	.000	.0002
%RSD	.0585	.3775	.0028	.4140	2.515	2.416	37.92	.0003	1.365
#1	137.6	27.30	18.59	14.26	.0172	.0106	-.0035	2.993	.0156
#2	137.7	27.45	18.59	14.18	.0178	.0103	-.0060	2.993	.0159

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0522**	**1.434**	**.0506**	**.0403**	**.1748**	**.0127**	**.0663**
Stddev	.0001	.001	.0000	.0002	.0051	.0000	.0008
%RSD	.1740	.0504	.0336	.4410	2.900	.2942	1.277
#1	.0522	1.433	.0506	.0402	.1712	.0127	.0669
#2	.0521	1.434	.0506	.0404	.1784	.0126	.0657

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71110.**	**8343.0**	**2599.9**	**3559.8**
Stddev	40.	15.5	1.7	2.4
%RSD	.05555	.18533	.06517	.06668
#1	71138.	8353.9	2601.1	3561.4
#2	71082.	8332.1	2598.7	3558.1

Zoom In Zoom Out

Sample Name: mp79902-s2 Acquired: 6/6/2014 21:41:52 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.333**	**.1042**	**.0984**	**1.049**	**.4944**	**.5910**	**3.289**	**1.171**	**.1070**
Stddev	.014	.0003	.0004	.001	.0002	.0002	.000	.002	.0007
%RSD	.3178	.2703	.3672	.0587	.0423	.0396	.0081	.1327	.6185
#1	4.343	.1044	.0987	1.048	.4943	.5908	3.289	1.170	.1065
#2	4.324	.1040	.0982	1.049	.4946	.5912	3.289	1.172	.1075

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.088**	**1.270**	**3.884**	**4.037**	**1.099**	**3.928**	**.6133**	**126.7**	**24.94**
Stddev	.000	.001	.014	.005	.000	.009	.0027	.3	.10
%RSD	.0117	.0849	.3484	.1184	.0237	.2355	.4385	.2719	.3883
#1	1.088	1.269	3.893	4.033	1.098	3.934	.6152	126.9	24.87
#2	1.088	1.271	3.874	4.040	1.099	3.921	.6114	126.4	25.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**161.0**	**31.73**	**20.73**	**15.26**	**.0216**	**.0179**	**-.0045**	**3.397**	**.0175**
Stddev	.1	.24	.14	.13	.0003	.0000	.0007	.013	.0002
%RSD	.0910	.7451	.6777	.8771	1.588	.0907	14.62	.3838	.9337
#1	160.9	31.56	20.83	15.35	.0218	.0179	-.0040	3.406	.0174
#2	161.1	31.89	20.64	15.16	.0213	.0179	-.0049	3.387	.0176

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0899**	**2.169**	**.0548**	**.0467**	**.3123**	**.0127**	**.0840**
Stddev	.0003	.002	.0014	.0002	.0002	.0014	.0009
%RSD	.3880	.1092	2.480	.4141	.0558	10.97	1.065
#1	.0901	2.170	.0557	.0466	.3125	.0137	.0846
#2	.0896	2.167	.0538	.0468	.3122	.0117	.0834

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71864.**	**8321.0**	**2635.0**	**3567.4**
Stddev	87.	34.8	10.2	7.0
%RSD	.12066	.41781	.38764	.19551
#1	71803.	8345.6	2627.7	3562.5
#2	71926.	8296.5	2642.2	3572.3

Zoom In Zoom Out

Sample Name: jb68594-22a Acquired: 6/6/2014 21:47:42 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2249**	**.0025**	**.0016**	**.0301**	**.0592**	**.0815**	**2.067**	**.0923**	**.0024**
Stddev	.0010	.0000	.0000	.0000	.0001	.0002	.001	.0002	.0001
%RSD	.4560	.8075	.9046	.1615	.0886	.2512	.0413	.1686	3.828
#1	.2256	.0025	.0016	.0300	.0592	.0817	2.067	.0924	.0025
#2	.2242	.0025	.0016	.0301	.0593	.0814	2.066	.0922	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0915**	**.2149**	**.0165**	**.0023**	**.0649**	**.0005**	**-.0004**	**48.43**	**6.519**
Stddev	.0002	.0013	.0010	.0002	.0008	.0015	.0002	.06	.021
%RSD	.1987	.6156	5.903	7.087	1.201	332.3	44.23	.1148	.3262
#1	.0913	.2139	.0158	.0024	.0654	-.0006	-.0005	48.47	6.504
#2	.0916	.2158	.0172	.0022	.0643	.0016	-.0003	48.39	6.534

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**92.91**	**16.05**	**6.334**	**1.285**	**.0129**	**.0063**	**-.0076**	**1.790**	**.0137**
Stddev	.19	.04	.041	.006	.0003	.0005	.0004	.013	.0001
%RSD	.1996	.2691	.6411	.5002	2.171	7.920	4.642	.7382	.4395
#1	93.04	16.08	6.305	1.289	.0127	.0060	-.0074	1.781	.0137
#2	92.78	16.02	6.363	1.280	.0131	.0067	-.0079	1.800	.0136

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0398**	**1.228**	**-.0020**	**.0304**	**.1734**	**.0054**	**.0667**
Stddev	.0001	.002	.0013	.0008	.0019	.0002	.0005
%RSD	.3256	.1590	62.32	2.512	1.098	3.747	.8169
#1	.0399	1.226	-.0011	.0298	.1721	.0055	.0671
#2	.0397	1.229	-.0029	.0309	.1748	.0052	.0663

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	72480.	8385.9	2630.2	3603.2
Stddev	74.	16.6	2.0	7.9
%RSD	.10158	.19741	.07636	.21888
#1	72428.	8374.1	2631.6	3608.8
#2	72532.	8397.6	2628.8	3597.6

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/6/2014 21:53:41 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.903**	**1.901**	**2.021**	**2.051**	**2.048**	**1.983**	**2.065**	**2.062**	**.2492**
Stddev	.192	.185	.011	.005	.001	.009	.001	.007	.0021
%RSD	10.08	9.721	.5536	.2428	.0288	.4428	.0629	.3336	.8470
#1	1.768	1.770	2.013	2.047	2.048	1.989	2.064	2.057	.2477
#2	2.039	2.032	2.029	2.054	2.049	1.976	2.066	2.067	.2507

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.045**	**2.063**	**2.009**	**2.079**	**2.059**	**2.014**	**2.019**	**37.43**	**37.86**
Stddev	.001	.003	.008	.007	.003	.011	.011	3.80	3.63
%RSD	.0406	.1339	.3770	.3600	.1317	.5650	.5272	10.16	9.592
#1	2.045	2.061	2.004	2.074	2.057	2.006	2.012	34.74	35.30
#2	2.046	2.065	2.015	2.084	2.061	2.022	2.027	40.12	40.43

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**38.27**	**37.59**	**38.58**	**38.52**	**2.023**	**2.043**	**2.024**	**5.061**	**2.069**
Stddev	3.76	3.67	3.81	3.80	.012	.009	.014	.025	.006
%RSD	9.819	9.749	9.885	9.859	.5883	.4197	.6744	.4871	.2827
#1	35.61	35.00	35.88	35.83	2.014	2.037	2.033	5.043	2.065
#2	40.92	40.19	41.27	41.20	2.031	2.049	2.014	5.078	2.074

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.897**	**2.028**	**1.940**	**2.049**	**1.993**	**2.027**	**1.916**
Stddev	.190	.001	.029	.000	.013	.015	.195
%RSD	10.02	.0406	1.514	.0106	.6363	.7431	10.20
#1	1.763	2.027	1.919	2.050	1.984	2.016	1.778
#2	2.032	2.029	1.960	2.049	2.002	2.037	2.054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	69038.	8428.7	2542.2	3508.0
Stddev	60.	680.2	13.3	12.9
%RSD	.08685	8.0705	.52182	.36720
#1	69081.	8909.7	2551.6	3517.1
#2	68996.	7947.7	2532.8	3498.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 21:59:30 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**2.015**	**2.022**	**2.058**	**2.009**	**1.938**	**2.030**	**2.069**	**.2457**
Stddev	.007	.017	.009	.005	.041	.033	.042	.005	.0035
%RSD	.3409	.8517	.4394	.2599	2.023	1.725	2.072	.2342	1.427
#1	2.020	2.027	2.016	2.054	1.981	1.915	2.000	2.065	.2433
#2	2.011	2.003	2.029	2.062	2.038	1.962	2.060	2.072	.2482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.072**	**2.024**	**2.085**	**2.067**	**2.021**	**2.020**	**39.24**	**39.91**
Stddev	.039	.007	.008	.007	.008	.008	.009	.31	.47
%RSD	1.947	.3318	.4122	.3612	.3734	.4024	.4328	.7906	1.176
#1	1.979	2.067	2.018	2.080	2.061	2.015	2.014	39.46	40.24
#2	2.034	2.077	2.030	2.090	2.072	2.027	2.027	39.02	39.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.57**	**39.68**	**40.39**	**40.24**	**2.028**	**2.049**	**1.984**	**5.068**	**2.072**
Stddev	.43	.27	.03	.13	.004	.005	.027	.013	.006
%RSD	1.054	.6704	.0620	.3220	.2239	.2499	1.354	.2616	.2745
#1	40.87	39.86	40.41	40.15	2.025	2.045	1.965	5.058	2.068
#2	40.27	39.49	40.37	40.33	2.032	2.052	2.003	5.077	2.076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 21:59:30 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**1.993**	**2.025**	**2.012**	**1.999**	**2.030**	**2.026**
Stddev	.014	.042	.036	.042	.009	.012	.002
%RSD	.6848	2.113	1.804	2.096	.4462	.5954	.1015
#1	2.020	1.964	2.000	1.982	1.993	2.021	2.027
#2	2.001	2.023	2.051	2.042	2.005	2.038	2.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	70212.	8000.9	2540.3	3502.0
Stddev	1193.	70.1	9.3	11.3
%RSD	1.6985	.87591	.36490	.32283
#1	71056.	7951.3	2546.8	3510.0
#2	69369.	8050.4	2533.7	3494.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 22:05:19 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**.0000**	**.0003**	**.0003**	**.0003**	**-.0008**
Stddev	.0002	.0000	.0001	.0003	.0003	.0003	.0000	.0001	.0000
%RSD	104.9	1.108	62.51	75.48	1239.	117.8	.3403	55.77	6.276
#1	.0001	.0001	.0001	.0005	.0003	.0005	.0003	.0004	-.0007
#2	.0004	.0001	.0001	.0002	-.0002	.0000	.0003	.0002	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0011**	**.0007**	**.0002**	**-.0020**	**.0005**	**-.0122**	**-.0028**
Stddev	.0000	.0001	.0003	.0008	.0004	.0020	.0004	.0091	.0004
%RSD	1064.	40.48	26.82	119.7	181.3	102.4	71.46	74.57	12.62
#1	-.0000	.0003	.0009	.0001	-.0001	-.0034	.0002	-.0186	-.0026
#2	.0000	.0002	.0013	.0012	.0006	-.0005	.0007	-.0058	-.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0079**	**-.0450**	**.0264**	**-.0056**	**.0010**	**.0009**	**.0012**	**.0014**	**.0008**
Stddev	.0011	.0015	.0555	.0083	.0002	.0000	.0013	.0004	.0006
%RSD	14.17	3.408	210.7	150.1	18.98	4.051	109.9	31.65	85.33
#1	.0086	-.0461	.0656	.0003	.0009	.0010	.0003	.0011	.0012
#2	.0071	-.0439	-.0129	-.0115	.0012	.0009	.0021	.0017	.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: 6/6/2014 22:05:19 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	F **.0332**	**.0013**	**-.0005**	**.0027**	**.0007**
Stddev	.0000	.0004	.0024	.0001	.0014	.0005	.0001
%RSD	14.89	638.9	7.313	9.197	268.5	19.04	17.17
#1	.0002	-.0002	.0349	.0012	.0005	.0024	.0006
#2	.0003	.0004	.0315	.0014	-.0015	.0031	.0008
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0291				
Low Limit			-.0291				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72431.**	**8048.9**	**2611.7**	**3677.8**
Stddev	838.	.1	34.2	45.6
%RSD	1.1568	.00132	1.3103	1.2386
#1	73023.	8049.0	2587.5	3645.6
#2	71838.	8048.8	2635.9	3710.0

Zoom In Zoom Out

Sample Name: mp79902-sd1 Acquired: 6/6/2014 22:11:25 Type: Unk
Method: Accutest1(v357) 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	**.2272**	**.0027**	**.0014**	**.0304**	**.0607**	**.0817**	**2.146**	**.0924**	**.0035**
Stddev	.0002	.0007	.0002	.0001	.0010	.0030	.021	.0012	.0001
%RSD	.0789	23.72	11.15	.2888	1.608	3.681	.9532	1.288	3.459
#1	.2271	.0032	.0016	.0303	.0614	.0838	2.160	.0915	.0036
#2	.2274	.0023	.0013	.0304	.0600	.0796	2.132	.0932	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0932**	**.2564**	**.0171**	**.0057**	**.0616**	**-.0013**	**-.0007**	**48.64**	**6.839**
Stddev	.0005	.0018	.0019	.0011	.0001	.0046	.0020	.07	.018
%RSD	.5180	.6884	11.11	18.64	.2194	352.0	306.6	.1390	.2566
#1	.0936	.2551	.0157	.0050	.0615	-.0046	.0008	48.69	6.851
#2	.0929	.2576	.0184	.0065	.0617	.0019	-.0021	48.59	6.827

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**97.67**	**16.34**	**6.468**	**1.201**	**.0138**	**.0072**	**-.0076**	**1.771**	**.0152**
Stddev	.18	.20	.199	.113	.0017	.0009	.0092	.015	.0021
%RSD	.1842	1.194	3.080	9.367	12.18	13.16	121.6	.8582	13.49
#1	97.54	16.48	6.608	1.281	.0150	.0079	-.0011	1.760	.0138
#2	97.80	16.21	6.327	1.122	.0126	.0065	-.0141	1.781	.0167

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0403**	**1.251**	**.0220**	**.0330**	**.2551**	**.0099**	**.0712**
Stddev	.0002	.012	.0008	.0014	.0075	.0017	.0048
%RSD	.5237	.9778	3.418	4.384	2.951	17.10	6.722
#1	.0401	1.260	.0225	.0320	.2498	.0087	.0746
#2	.0404	1.242	.0215	.0340	.2605	.0111	.0678

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71777.**	**8182.7**	**2638.8**	**3682.9**
Stddev	588.	2.5	12.2	12.0
%RSD	.81899	.03093	.46168	.32528
#1	71362.	8184.5	2630.2	3674.5
#2	72193.	8180.9	2647.4	3691.4

Zoom In Zoom Out

Sample Name: jb68318-1 Acquired: 6/6/2014 22:17:25 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1680**	**.0038**	**.0020**	**.0356**	**.1164**	**.0449**	**1.000**	**.1629**	**.0055**
Stddev	.0035	.0001	.0003	.0001	.0024	.0007	.018	.0002	.0021
%RSD	2.084	1.635	13.54	.4026	2.082	1.597	1.818	.1515	38.78
#1	.1705	.0037	.0022	.0355	.1147	.0444	.9876	.1628	.0070
#2	.1656	.0038	.0019	.0357	.1181	.0454	1.013	.1631	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1981**	**.2437**	**.0179**	**.0005**	**.0500**	**.0033**	**-.0006**	**65.26**	**9.614**
Stddev	.0040	.0011	.0006	.0012	.0010	.0010	.0011	1.28	.194
%RSD	1.997	.4370	3.566	225.0	1.909	31.30	171.8	1.968	2.016
#1	.1953	.2430	.0183	-.0003	.0493	.0026	-.0014	66.17	9.751
#2	.2009	.2445	.0174	.0014	.0507	.0041	.0001	64.35	9.477

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**103.5**	**27.18**	**16.83**	**13.60**	**.1441**	**.0711**	**.0041**	**2.227**	**.0159**
Stddev	1.8	.45	.40	.32	.0004	.0002	.0013	.009	.0010
%RSD	1.740	1.665	2.363	2.383	.2849	.2696	32.11	.4146	6.494
#1	104.8	27.50	17.11	13.82	.1438	.0709	.0050	2.233	.0166
#2	102.2	26.86	16.55	13.37	.1444	.0712	.0032	2.220	.0152

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1260**	**1.142**	**.0098**	**.0366**	**65.90**	**.0076**	**.1438**
Stddev	.0021	.020	.0003	.0001	.12	.0004	.0034
%RSD	1.697	1.737	3.217	.2128	.1861	4.796	2.347
#1	.1275	1.128	.0101	.0366	65.99	.0074	.1462
#2	.1245	1.156	.0096	.0365	65.82	.0079	.1414

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70668.**	**8131.6**	**2509.5**	**3506.7**
Stddev	1148.	87.1	10.4	9.6
%RSD	1.6241	1.0717	.41394	.27317
#1	71480.	8070.0	2502.2	3499.9
#2	69856.	8193.3	2516.9	3513.5

Zoom In Zoom Out

Sample Name: jb68318-2 Acquired: 6/6/2014 22:23:19 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1477**	**.0034**	**.0018**	**.0339**	**.1098**	**.0463**	**.9650**	**.1394**	**.0026**
Stddev	.0002	.0001	.0000	.0000	.0000	.0005	.0014	.0005	.0002
%RSD	.1494	2.958	1.419	.0392	.0264	1.157	.1429	.3404	6.650
#1	.1476	.0033	.0019	.0339	.1098	.0467	.9640	.1391	.0027
#2	.1479	.0035	.0018	.0339	.1098	.0460	.9659	.1398	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1829**	**.2428**	**.0183**	**.0013**	**.0480**	**.0012**	**-.0016**	**59.29**	**8.728**
Stddev	.0003	.0004	.0010	.0021	.0008	.0019	.0007	.34	.032
%RSD	.1521	.1753	5.489	162.2	1.609	156.2	45.54	.5760	.3683
#1	.1827	.2425	.0176	.0027	.0474	-.0001	-.0011	59.53	8.751
#2	.1831	.2431	.0190	-.0002	.0485	.0025	-.0021	59.05	8.705

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**98.27**	**24.98**	**14.63**	**11.50**	**.1294**	**.0639**	**.0036**	**2.329**	**.0136**
Stddev	.51	.05	.09	.05	.0005	.0003	.0007	.001	.0005
%RSD	.5141	.1826	.6415	.4376	.3545	.4857	18.43	.0558	3.795
#1	98.63	25.01	14.56	11.46	.1297	.0636	.0041	2.330	.0140
#2	97.91	24.95	14.69	11.53	.1291	.0641	.0031	2.328	.0133

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1118**	**1.151**	**.0011**	**.0411**	**64.24**	**.0096**	**.1293**
Stddev	.0000	.002	.0001	.0002	.03	.0006	.0018
%RSD	.0257	.1526	6.261	.4175	.0506	5.864	1.420
#1	.1118	1.152	.0011	.0412	64.22	.0092	.1280
#2	.1118	1.150	.0010	.0409	64.26	.0100	.1306

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69549.**	**8340.1**	**2498.2**	**3498.9**
Stddev	226.	16.5	.5	4.2
%RSD	.32465	.19836	.02003	.11964
#1	69389.	8328.4	2498.5	3501.9
#2	69709.	8351.8	2497.8	3496.0

Zoom In Zoom Out

Sample Name: jb68318-3 Acquired: 6/6/2014 22:29:15 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2243**	**.0046**	**.0034**	**.0490**	**.1425**	**.0543**	**1.069**	**.1716**	**.0040**
Stddev	.0007	.0001	.0000	.0012	.0006	.0003	.001	.0024	.0003
%RSD	.2969	2.409	.1582	2.392	.4415	.5916	.0706	1.395	6.733
#1	.2248	.0047	.0034	.0498	.1430	.0545	1.069	.1733	.0042
#2	.2238	.0045	.0034	.0481	.1421	.0540	1.070	.1699	.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2093**	**.2865**	**.0252**	**-.0019**	**.0843**	**.0034**	**.0002**	**89.17**	**11.20**
Stddev	.0001	.0028	.0003	.0008	.0017	.0005	.0030	.03	.02
%RSD	.0504	.9694	1.012	41.57	2.013	14.52	1308.	.0299	.2147
#1	.2094	.2885	.0254	-.0025	.0855	.0037	.0024	89.16	11.22
#2	.2092	.2845	.0251	-.0014	.0831	.0030	-.0019	89.19	11.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**128.7**	**31.66**	**21.78**	**14.10**	**.1682**	**.0606**	**.0051**	**2.947**	**.0190**
Stddev	.1	.14	.08	.07	.0039	.0015	.0001	.043	.0005
%RSD	.0927	.4483	.3699	.4621	2.341	2.407	1.355	1.473	2.492
#1	128.7	31.76	21.72	14.06	.1710	.0616	.0051	2.978	.0193
#2	128.6	31.56	21.83	14.15	.1654	.0596	.0050	2.916	.0187

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1542**	**1.463**	**.0223**	**.0402**	**78.07**	**.0091**	**.2179**
Stddev	.0003	.001	.0017	.0001	1.12	.0015	.0010
%RSD	.1845	.0631	7.524	.2289	1.435	16.37	.4403
#1	.1544	1.463	.0235	.0401	78.86	.0080	.2172
#2	.1540	1.462	.0211	.0402	77.27	.0101	.2185

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69750.**	**8249.6**	**2485.9**	**3492.9**
Stddev	122.	5.2	40.8	50.1
%RSD	.17459	.06307	1.6409	1.4347
#1	69664.	8253.3	2457.1	3457.5
#2	69836.	8246.0	2514.8	3528.3

Zoom In Zoom Out

Sample Name: jb68318-4 Acquired: 6/6/2014 22:35:09 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1815**	**.0037**	**.0022**	**.0342**	**.1189**	**.0524**	**1.104**	**.1314**	**.0040**
Stddev	.0001	.0002	.0001	.0006	.0021	.0006	.015	.0026	.0007
%RSD	.0296	5.973	5.734	1.699	1.785	1.158	1.342	1.948	16.26
#1	.1815	.0035	.0021	.0338	.1174	.0520	1.094	.1296	.0045
#2	.1814	.0039	.0023	.0346	.1204	.0528	1.115	.1332	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1701**	**.2501**	**.0154**	**.0009**	**.0512**	**.0017**	**-.0007**	**70.50**	**9.597**
Stddev	.0027	.0043	.0002	.0003	.0004	.0012	.0015	.27	.073
%RSD	1.603	1.711	1.488	28.91	.6962	69.87	224.2	.3810	.7647
#1	.1682	.2471	.0155	.0007	.0510	.0025	.0004	70.31	9.545
#2	.1721	.2531	.0152	.0011	.0515	.0009	-.0018	70.69	9.649

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**101.1**	**27.68**	**17.98**	**12.20**	**.1480**	**.0475**	**.0037**	**2.000**	**.0125**
Stddev	.4	.08	.08	.05	.0034	.0007	.0004	.033	.0006
%RSD	.4196	.2970	.4714	.4014	2.268	1.453	9.610	1.658	4.857
#1	100.8	27.63	18.04	12.23	.1457	.0470	.0035	1.976	.0121
#2	101.4	27.74	17.92	12.16	.1504	.0480	.0040	2.023	.0129

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1279**	**1.184**	**.0002**	**.0339**	**59.16**	**.0082**	**.1513**
Stddev	.0003	.013	.0001	.0006	1.05	.0028	.0004
%RSD	.2156	1.123	62.03	1.810	1.774	34.12	.2588
#1	.1277	1.174	.0003	.0335	58.42	.0101	.1516
#2	.1281	1.193	.0001	.0343	59.90	.0062	.1510

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70246.**	**8282.5**	**2463.9**	**3488.2**
Stddev	1051.	37.5	43.8	61.7
%RSD	1.4955	.45272	1.7769	1.7682
#1	70989.	8309.0	2494.9	3531.8
#2	69503.	8256.0	2432.9	3444.6

Zoom In Zoom Out

Sample Name: jb68318-5 Acquired: 6/6/2014 22:41:06 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1274**	**.0027**	**.0015**	**.0215**	**.0885**	**.0402**	**.6957**	**.0951**	**.0023**
Stddev	.0001	.0000	.0001	.0002	.0008	.0001	.0004	.0003	.0010
%RSD	.1092	.3667	5.727	1.014	.8785	.2254	.0613	.2903	44.40
#1	.1273	.0027	.0016	.0213	.0880	.0402	.6954	.0949	.0016
#2	.1275	.0027	.0014	.0216	.0891	.0401	.6960	.0953	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1448**	**.1703**	**.0113**	**.0007**	**.0443**	**.0027**	**.0013**	**50.53**	**10.99**
Stddev	.0003	.0003	.0011	.0015	.0004	.0007	.0000	.15	.00
%RSD	.1823	.1764	9.628	205.3	.8320	25.89	3.308	.3014	.0354
#1	.1446	.1701	.0105	.0018	.0440	.0022	.0013	50.64	10.99
#2	.1450	.1705	.0121	-.0003	.0445	.0032	.0014	50.42	10.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**58.08**	**19.84**	**12.83**	**10.25**	**.1204**	**.0637**	**.0052**	**2.438**	**.0153**
Stddev	.10	.02	.10	.09	.0001	.0001	.0006	.020	.0002
%RSD	.1715	.0776	.7431	.8899	.1164	.1616	12.17	.8195	1.509
#1	58.15	19.85	12.90	10.32	.1205	.0636	.0056	2.452	.0151
#2	58.01	19.83	12.77	10.19	.1203	.0637	.0047	2.424	.0154

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1113**	**.9782**	**-.0013**	**.0249**	**51.37**	**.0032**	**.1120**
Stddev	.0000	.0002	.0003	.0000	.14	.0001	.0013
%RSD	.0094	.0169	22.82	.0476	.2701	4.345	1.128
#1	.1113	.9783	-.0015	.0249	51.27	.0033	.1129
#2	.1113	.9781	-.0011	.0249	51.46	.0031	.1111

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69713.**	**8311.7**	**2459.3**	**3469.6**
Stddev	49.	14.3	4.5	7.0
%RSD	.06959	.17179	.18121	.20294
#1	69747.	8321.8	2462.5	3474.6
#2	69679.	8301.6	2456.2	3464.6

Zoom In Zoom Out

Sample Name: jb68318-8 Acquired: 6/6/2014 22:47:04 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1005**	**.0012**	**.0009**	**.0136**	**.0571**	**.0371**	**.3818**	**.0697**	**.0012**
Stddev	.0046	.0000	.0000	.0001	.0005	.0003	.0001	.0002	.0010
%RSD	4.609	2.677	5.177	.5759	.8952	.7093	.0293	.2254	79.28
#1	.1037	.0012	.0009	.0136	.0575	.0372	.3819	.0696	.0019
#2	.0972	.0012	.0009	.0137	.0567	.0369	.3818	.0698	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1015**	**.0853**	**.0190**	**.0006**	**.3360**	**.0029**	**.0009**	**25.23**	**10.62**
Stddev	.0005	.0001	.0008	.0000	.0012	.0017	.0002	1.25	.55
%RSD	.4530	.0735	4.145	2.690	.3475	59.11	20.99	4.969	5.155
#1	.1012	.0852	.0184	.0006	.3351	.0017	.0011	26.12	11.00
#2	.1018	.0853	.0195	.0006	.3368	.0041	.0008	24.34	10.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.59**	**8.106**	**6.014**	**8.097**	**.0863**	**.0434**	**.0096**	**2.798**	**.0240**
Stddev	1.86	.456	.326	.360	.0014	.0004	.0008	.001	.0000
%RSD	5.221	5.626	5.424	4.444	1.597	.8111	8.059	.0448	.1263
#1	36.91	8.428	6.244	8.352	.0873	.0437	.0101	2.799	.0240
#2	34.28	7.783	5.783	7.843	.0854	.0432	.0090	2.797	.0239

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1151**	**.7116**	**-.0002**	**.0110**	**52.01**	**.0023**	**.0537**
Stddev	.0053	.0009	.0008	.0002	.00	.0012	.0024
%RSD	4.634	.1237	457.3	1.990	.0092	54.51	4.429
#1	.1189	.7110	-.0007	.0112	52.01	.0014	.0553
#2	.1113	.7122	.0004	.0108	52.00	.0032	.0520

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69457.**	**8344.8**	**2503.8**	**3555.2**
Stddev	85.	396.9	3.6	2.0
%RSD	.12229	4.7560	.14474	.05737
#1	69517.	8064.2	2501.3	3553.8
#2	69397.	8625.5	2506.4	3556.7

Zoom In Zoom Out

Sample Name: jb68318-9 Acquired: 6/6/2014 22:53:01 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0921**	**.0012**	**.0006**	**.0061**	**.0644**	**.0347**	**.3394**	**.0563**	**.0010**
Stddev	.0000	.0000	.0001	.0002	.0003	.0001	.0004	.0009	.0002
%RSD	.0366	.1442	9.872	3.495	.4971	.2590	.1249	1.598	17.78
#1	.0921	.0012	.0006	.0059	.0646	.0348	.3397	.0557	.0008
#2	.0921	.0012	.0006	.0062	.0642	.0347	.3391	.0570	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1243**	**.0577**	**.0195**	**.0001**	**.7827**	**.0025**	**.0007**	**26.68**	**9.613**
Stddev	.0010	.0009	.0006	.0016	.0178	.0025	.0002	.03	.036
%RSD	.8268	1.589	2.922	2285.	2.272	102.5	30.66	.1129	.3706
#1	.1250	.0571	.0191	-.0011	.7701	.0042	.0008	26.70	9.587
#2	.1236	.0584	.0199	.0012	.7953	.0007	.0005	26.65	9.638

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.48**	**9.019**	**7.376**	**9.200**	**.0987**	**.0498**	**.0058**	**2.783**	**.0171**
Stddev	.00	.035	.078	.050	.0008	.0008	.0017	.043	.0003
%RSD	.0055	.3916	1.056	.5481	.8373	1.666	28.65	1.560	1.895
#1	19.48	8.994	7.431	9.235	.0981	.0492	.0046	2.753	.0174
#2	19.48	9.044	7.321	9.164	.0993	.0504	.0070	2.814	.0169

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1143**	**.7935**	**-.0022**	**.0180**	**46.16**	**-.0013**	**.0660**
Stddev	.0001	.0004	.0013	.0002	.83	.0004	.0009
%RSD	.0721	.0465	59.08	1.037	1.792	35.52	1.406
#1	.1142	.7938	-.0031	.0181	45.58	-.0009	.0666
#2	.1144	.7933	-.0013	.0179	46.75	-.0016	.0653

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69718.**	**8294.0**	**2447.9**	**3479.9**
Stddev	113.	33.8	37.5	60.7
%RSD	.16193	.40701	1.5307	1.7437
#1	69798.	8317.9	2474.4	3522.9
#2	69638.	8270.2	2421.4	3437.0

Zoom In Zoom Out

Sample Name: jb68318-10 Acquired: 6/6/2014 22:58:58 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0909**	**.0011**	**.0006**	**.0064**	**.0604**	**.0528**	**.2433**	**.0548**	**.0014**
Stddev	.0038	.0001	.0002	.0000	.0012	.0015	.0050	.0005	.0003
%RSD	4.173	6.210	33.98	.0092	1.931	2.851	2.076	.8343	22.94
#1	.0882	.0011	.0007	.0064	.0596	.0517	.2397	.0551	.0012
#2	.0936	.0012	.0004	.0064	.0613	.0539	.2468	.0544	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0819**	**.0888**	**.0144**	**.0004**	**.1046**	**.0007**	**.0004**	**24.10**	**13.15**
Stddev	.0014	.0008	.0005	.0005	.0024	.0019	.0005	.94	.49
%RSD	1.668	.9467	3.724	128.9	2.314	268.3	123.4	3.910	3.709
#1	.0809	.0894	.0148	.0007	.1063	-.0006	.0008	23.43	12.80
#2	.0829	.0882	.0140	.0000	.1028	.0021	.0001	24.76	13.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.66**	**7.767**	**7.524**	**7.233**	**.1125**	**.0472**	**.0048**	**2.648**	**.0169**
Stddev	.66	.293	.289	.286	.0014	.0004	.0003	.053	.0000
%RSD	3.991	3.777	3.840	3.950	1.201	.8259	6.661	2.020	.0783
#1	16.19	7.560	7.319	7.031	.1135	.0474	.0045	2.686	.0169
#2	17.13	7.974	7.728	7.435	.1116	.0469	.0050	2.611	.0169

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1070**	**.7276**	**-.0022**	**.0254**	**40.70**	**-.0002**	**.0682**
Stddev	.0045	.0149	.0009	.0008	.50	.0008	.0028
%RSD	4.211	2.052	38.79	3.077	1.234	452.9	4.071
#1	.1038	.7170	-.0016	.0249	41.06	-.0007	.0662
#2	.1102	.7381	-.0029	.0260	40.35	.0004	.0702

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69601.**	**8191.5**	**2468.1**	**3522.3**
Stddev	1453.	259.8	28.1	33.8
%RSD	2.0869	3.1717	1.1404	.96044
#1	70628.	8375.3	2448.2	3498.4
#2	68574.	8007.8	2488.0	3546.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 23:04:57 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.078**	**2.048**	**2.079**	**2.078**	**2.113**	**2.074**	**2.089**	**2.071**	**.2593**
Stddev	.005	.005	.005	.007	.008	.007	.001	.007	.0013
%RSD	.2591	.2227	.2448	.3495	.3629	.3541	.0374	.3303	.4988
#1	2.074	2.045	2.075	2.073	2.118	2.080	2.090	2.066	.2602
#2	2.082	2.052	2.082	2.083	2.107	2.069	2.089	2.076	.2583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.082**	**2.059**	**2.101**	**2.056**	**2.076**	**2.085**	**40.93**	**41.41**
Stddev	.004	.010	.007	.013	.008	.001	.002	.09	.23
%RSD	.1802	.4847	.3191	.6121	.4003	.0225	.0870	.2247	.5626
#1	2.097	2.075	2.055	2.092	2.050	2.076	2.084	40.86	41.24
#2	2.091	2.090	2.064	2.110	2.062	2.077	2.086	40.99	41.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.50**	**40.49**	**39.78**	**39.42**	**2.082**	**2.120**	**2.153**	**5.240**	**2.123**
Stddev	.18	.32	.23	.22	.004	.006	.009	.002	.006
%RSD	.4349	.7938	.5670	.5466	.1684	.2688	.4194	.0279	.3059
#1	42.37	40.26	39.62	39.26	2.080	2.116	2.159	5.239	2.118
#2	42.63	40.72	39.93	39.57	2.085	2.124	2.146	5.241	2.127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 23:04:57 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.108**	**2.051**	**1.980**	**2.096**	**2.071**	**2.087**	**2.105**
Stddev	.005	.001	.025	.004	.006	.002	.003
%RSD	.2349	.0601	1.276	.1726	.2823	.0755	.1171
#1	2.104	2.052	1.962	2.098	2.067	2.086	2.107
#2	2.111	2.050	1.998	2.093	2.075	2.088	2.103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**66450.**	**7838.8**	**2417.6**	**3389.6**
Stddev	24.	65.3	.4	2.4
%RSD	.03650	.83327	.01497	.07109
#1	66433.	7885.0	2417.3	3391.3
#2	66467.	7792.6	2417.8	3387.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 23:10:47 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**.0003**	**.0011**	**.0002**	**.0002**	**-.0009**
Stddev	.0004	.0000	.0001	.0001	.0001	.0001	.0001	.0002	.0002
%RSD	177.3	1.588	242.8	52.30	33.83	10.48	47.85	97.10	27.74
#1	-.0001	.0001	-.0000	.0003	.0004	.0012	.0002	.0001	-.0007
#2	.0005	.0001	.0001	.0002	.0002	.0010	.0001	.0004	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0002**	**.0006**	**.0011**	**.0007**	**-.0019**	**-.0005**	**-.0057**	**-.0016**
Stddev	.0005	.0001	.0019	.0002	.0005	.0001	.0006	.0145	.0000
%RSD	102.2	88.22	311.7	21.21	80.47	3.930	128.4	256.3	.7246
#1	.0009	.0003	.0020	.0013	.0003	-.0019	-.0009	-.0159	-.0016
#2	.0001	.0001	-.0007	.0009	.0011	-.0018	-.0000	.0046	-.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	**.0029**	**-.0417**	**.0600**	**-.0209**	**.0011**	**.0007**	**.0022**	**.0012**	**.0007**
Stddev	.0019	.0388	.0352	.0107	.0003	.0002	.0013	.0002	.0001
%RSD	67.53	93.09	58.66	51.51	30.53	23.71	58.83	14.05	8.212
#1	.0042	-.0143	.0351	-.0133	.0013	.0008	.0031	.0011	.0008
#2	.0015	-.0692	.0849	-.0284	.0009	.0006	.0013	.0014	.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: 6/6/2014 23:10:47 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**.0193**	**.0009**	**.0044**	**.0028**	**.0001**
Stddev	.0000	.0005	.0032	.0001	.0002	.0003	.0005
%RSD	8.447	371.8	16.63	16.58	5.327	11.85	438.3
#1	.0002	.0002	.0215	.0010	.0046	.0030	.0005
#2	.0002	-.0005	.0170	.0008	.0043	.0026	-.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	**69064.**	**7993.1**	**2518.0**	**3607.9**
Stddev	23.	18.7	3.8	6.4
%RSD	.03386	.23440	.14895	.17793
#1	69047.	8006.3	2520.6	3612.4
#2	69080.	7979.8	2515.3	3603.3

Zoom In Zoom Out

Sample Name: jb68594-11a Acquired: 6/6/2014 23:16:53 Type: Unk
Method: Accutest1(v357) Mode: CONC 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**	**.0034**	**.0025**	**.0373**	**.1043**	**.0841**	**2.002**	**.1068**	**.0020**
Stddev	.0001	.0002	.0002	.0005	.0009	.0000	.020	.0009	.0010
%RSD	.0419	5.097	9.207	1.314	.8938	.0188	1.001	.8108	48.07
#1	.3168	.0033	.0026	.0369	.1036	.0841	1.987	.1062	.0027
#2	.3166	.0035	.0023	.0376	.1049	.0841	2.016	.1074	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1615**	**.2926**	**.0238**	**.0009**	**.1090**	**.0010**	**.0008**	**77.98**	**8.414**
Stddev	.0020	.0033	.0004	.0003	.0007	.0013	.0015	.23	.012
%RSD	1.241	1.121	1.497	33.96	.6634	126.5	187.2	.2991	.1477
#1	.1600	.2903	.0235	.0012	.1095	.0001	-.0003	77.81	8.405
#2	.1629	.2949	.0240	.0007	.1085	.0019	.0018	78.14	8.422

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**113.7**	**16.87**	**6.869**	**1.798**	**.0317**	**.0081**	**-.0090**	**2.577**	**.0186**
Stddev	.1	.06	.035	.015	.0003	.0002	.0011	.021	.0005
%RSD	.0524	.3342	.5134	.8235	.7991	2.304	11.72	.8145	2.673
#1	113.7	16.91	6.844	1.788	.0316	.0079	-.0083	2.562	.0183
#2	113.7	16.83	6.894	1.809	.0319	.0082	-.0098	2.592	.0190

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0573**	**2.113**	**.0135**	**.0392**	**.6909**	**.0088**	**.0776**
Stddev	.0000	.019	.0004	.0002	.0022	.0015	.0001
%RSD	.0071	.8932	3.024	.6129	.3157	17.02	.1824
#1	.0573	2.100	.0138	.0391	.6893	.0078	.0775
#2	.0573	2.127	.0132	.0394	.6924	.0099	.0777

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69394.**	**8336.2**	**2527.4**	**3525.3**
Stddev	559.	4.5	22.7	34.5
%RSD	.80594	.05437	.89896	.97947
#1	69789.	8333.0	2543.5	3549.7
#2	68998.	8339.4	2511.4	3500.9

Zoom In Zoom Out

Sample Name: jb68594-28a Acquired: 6/6/2014 23:22:49 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1495**	**.0026**	**.0019**	**.0304**	**.0583**	**.0689**	**.9599**	**.0878**	**.0027**
Stddev	.0114	.0002	.0002	.0009	.0034	.0050	.0551	.0003	.0028
%RSD	7.653	9.510	11.87	3.039	5.822	7.264	5.739	.3424	102.8
#1	.1414	.0024	.0017	.0310	.0559	.0654	.9210	.0880	.0007
#2	.1576	.0028	.0020	.0297	.0608	.0725	.9989	.0876	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1212**	**.2417**	**.0185**	**.0001**	**.0336**	**.0003**	**-.0008**	**44.35**	**14.83**
Stddev	.0069	.0025	.0004	.0001	.0005	.0016	.0000	3.52	1.25
%RSD	5.675	1.021	2.022	102.1	1.340	555.9	2.575	7.941	8.458
#1	.1163	.2435	.0188	.0002	.0333	-.0008	-.0008	41.86	13.94
#2	.1261	.2400	.0183	.0000	.0339	.0014	-.0008	46.84	15.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**92.98**	**16.53**	**6.158**	**1.170**	**.0234**	**.0067**	**-.0086**	**1.994**	**.0147**
Stddev	7.70	1.38	.485	.083	.0004	.0002	.0008	.033	.0002
%RSD	8.280	8.318	7.882	7.067	1.772	2.588	9.186	1.650	1.104
#1	87.54	15.56	5.815	1.111	.0237	.0069	-.0080	2.017	.0148
#2	98.43	17.50	6.502	1.228	.0231	.0066	-.0091	1.970	.0146

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0511**	**1.505**	**.0033**	**.0330**	**.6076**	**.0068**	**.0604**
Stddev	.0042	.088	.0012	.0019	.0082	.0002	.0053
%RSD	8.128	5.825	36.16	5.900	1.343	3.343	8.738
#1	.0481	1.443	.0042	.0317	.6134	.0067	.0566
#2	.0540	1.567	.0025	.0344	.6018	.0070	.0641

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71135.	**8434.2**	**2438.0**	**3443.1**
Stddev	3616.	627.2	21.7	30.7
%RSD	5.0835	7.4364	.88903	.89211
#1	73692.	8877.7	2422.6	3421.4
#2	68578.	7990.7	2453.3	3464.9

Zoom In Zoom Out

Sample Name: jb68594-38a Acquired: 6/6/2014 23:28:46 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2307**	**.0025**	**.0029**	**.0334**	**.0669**	**.1247**	**1.257**	**.1228**	**.0045**
Stddev	.0088	.0001	.0002	.0010	.0031	.0052	.059	.0017	.0006
%RSD	3.832	5.402	8.332	3.104	4.653	4.185	4.668	1.388	12.48
#1	.2369	.0026	.0031	.0326	.0691	.1283	1.299	.1215	.0041
#2	.2244	.0024	.0027	.0341	.0647	.1210	1.216	.1240	.0049

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2028**	**.3269**	**.0176**	**-.0010**	**.1826**	**.0023**	**.0005**	**61.20**	**93.95**
Stddev	.0089	.0051	.0008	.0024	.0029	.0005	.0005	2.40	3.60
%RSD	4.406	1.570	4.776	245.0	1.605	20.17	85.41	3.918	3.830
#1	.2092	.3232	.0170	.0007	.1806	.0020	.0009	62.89	96.49
#2	.1965	.3305	.0182	-.0027	.1847	.0026	.0002	59.50	91.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**88.07**	**19.97**	**5.781**	**4.495**	**.1168**	**.0067**	**-.0029**	**4.177**	**.0172**
Stddev	3.39	.82	.210	.182	.0011	.0002	.0016	.050	.0009
%RSD	3.853	4.103	3.625	4.051	.9181	2.618	55.37	1.195	5.233
#1	90.47	20.55	5.929	4.624	.1160	.0066	-.0040	4.142	.0179
#2	85.67	19.39	5.633	4.366	.1176	.0069	-.0018	4.212	.0166

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3774**	**2.131**	**-.0047**	**.0258**	**3.986**	**.0077**	**.0571**
Stddev	.0150	.098	.0001	.0015	.055	.0006	.0017
%RSD	3.984	4.593	2.898	5.977	1.386	7.410	2.898
#1	.3880	2.201	-.0046	.0269	3.947	.0081	.0582
#2	.3668	2.062	-.0048	.0247	4.025	.0073	.0559

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70058.**	**8281.9**	**2408.6**	**3419.9**
Stddev	2364.	247.1	31.4	46.3
%RSD	3.3740	2.9833	1.3022	1.3528
#1	68387.	8107.2	2430.8	3452.6
#2	71730.	8456.6	2386.4	3387.2

Zoom In Zoom Out

Sample Name: jb68594-47a Acquired: 6/6/2014 23:34:43 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1663**	**.0018**	**.0016**	**.0203**	**.0526**	**.0635**	**.5754**	**.0703**	**.0028**
Stddev	.0003	.0000	.0001	.0002	.0017	.0024	.0177	.0010	.0019
%RSD	.1826	.4057	4.291	1.051	3.220	3.782	3.071	1.461	68.07
#1	.1666	.0018	.0016	.0201	.0538	.0652	.5879	.0695	.0015
#2	.1661	.0018	.0017	.0204	.0514	.0618	.5629	.0710	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0802**	**.2048**	**.0136**	**.0004**	**.1300**	**.0002**	**.0002**	**40.81**	**5.135**
Stddev	.0028	.0018	.0004	.0005	.0001	.0001	.0010	.04	.022
%RSD	3.472	.8816	2.744	130.8	.1046	31.57	421.6	.0963	.4312
#1	.0822	.2035	.0133	.0000	.1301	.0003	-.0005	40.78	5.119
#2	.0782	.2061	.0138	.0008	.1299	.0002	.0010	40.83	5.151

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**71.92**	**11.66**	**4.486**	**1.372**	**.0136**	**.0054**	**-.0022**	**2.080**	**.0224**
Stddev	.14	.02	.004	.011	.0001	.0000	.0001	.019	.0006
%RSD	.1878	.1598	.0983	.8060	.8938	.3500	2.533	.9098	2.683
#1	71.82	11.65	4.490	1.364	.0137	.0054	-.0022	2.066	.0220
#2	72.01	11.67	4.483	1.379	.0135	.0054	-.0023	2.093	.0228

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0321**	**1.008**	**-.0012**	**.0141**	**.5983**	**.0059**	**.0517**
Stddev	.0002	.029	.0008	.0002	.0060	.0019	.0004
%RSD	.5847	2.876	65.78	1.150	.9963	32.25	.7047
#1	.0319	1.028	-.0018	.0142	.5941	.0072	.0520
#2	.0322	.9871	-.0006	.0140	.6025	.0045	.0514

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70321.**	**8194.8**	**2455.0**	**3474.1**
Stddev	1870.	4.1	23.9	37.4
%RSD	2.6588	.05052	.97409	1.0766
#1	68999.	8191.9	2471.9	3500.5
#2	71643.	8197.8	2438.1	3447.6

Zoom In Zoom Out

Sample Name: jb68594-56a Acquired: 6/6/2014 23:40:40 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3406**	**.0038**	**.0022**	**.0419**	**.0892**	**.1039**	**1.838**	**.1100**	**.0027**
Stddev	.0001	.0001	.0000	.0001	.0000	.0006	.004	.0001	.0005
%RSD	.0295	2.889	.0185	.2336	.0080	.5672	.2009	.0459	17.02
#1	.3407	.0037	.0022	.0419	.0892	.1035	1.835	.1100	.0024
#2	.3406	.0038	.0022	.0418	.0892	.1044	1.840	.1100	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1594**	**.2746**	**.0279**	**.0006**	**.1747**	**.0004**	**.0015**	**85.77**	**11.25**
Stddev	.0009	.0009	.0002	.0013	.0008	.0009	.0008	.24	.08
%RSD	.5685	.3368	.5951	229.9	.4723	208.4	56.40	.2762	.6898
#1	.1588	.2752	.0278	.0015	.1753	-.0002	.0020	85.61	11.19
#2	.1601	.2739	.0280	-.0004	.1742	.0011	.0009	85.94	11.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**124.8**	**21.37**	**6.637**	**2.457**	**.0160**	**.0073**	**-.0079**	**2.398**	**.0192**
Stddev	.3	.10	.036	.015	.0001	.0001	.0002	.001	.0004
%RSD	.2774	.4642	.5422	.5923	.4074	2.030	2.256	.0239	2.291
#1	124.6	21.30	6.612	2.447	.0160	.0072	-.0078	2.398	.0195
#2	125.1	21.44	6.662	2.467	.0159	.0074	-.0080	2.399	.0189

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0608**	**2.474**	**.0015**	**.0372**	**.6127**	**.0112**	**.0926**
Stddev	.0004	.011	.0023	.0003	.0000	.0000	.0006
%RSD	.5908	.4511	150.8	.7383	.0028	.1372	.6729
#1	.0605	2.466	.0032	.0370	.6127	.0112	.0930
#2	.0610	2.482	-.0001	.0374	.6127	.0111	.0921

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68864.**	**8229.7**	**2484.3**	**3481.9**
Stddev	296.	7.4	7.5	8.8
%RSD	.43013	.09052	.30294	.25197
#1	69074.	8235.0	2489.6	3488.1
#2	68655.	8224.4	2478.9	3475.7

Zoom In Zoom Out

Sample Name: jb68594-61a Acquired: 6/6/2014 23:46:36 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1763**	**.0028**	**.0025**	**.0325**	**.0822**	**.0789**	**.7695**	**.0942**	**.0021**
Stddev	.0001	.0001	.0002	.0003	.0001	.0006	.0005	.0003	.0006
%RSD	.0731	3.113	8.274	1.010	.0819	.7517	.0618	.3036	28.88
#1	.1762	.0028	.0026	.0323	.0821	.0793	.7692	.0940	.0026
#2	.1764	.0029	.0023	.0327	.0822	.0785	.7699	.0944	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1318**	**.2644**	**.0206**	**-.0000**	**.0926**	**.0009**	**.0013**	**63.30**	**6.130**
Stddev	.0002	.0010	.0010	.0002	.0003	.0007	.0007	.02	.020
%RSD	.1732	.3832	4.627	8069.	.3730	75.63	56.16	.0362	.3182
#1	.1320	.2637	.0213	-.0002	.0924	.0004	.0018	63.29	6.116
#2	.1317	.2651	.0199	.0001	.0929	.0014	.0008	63.32	6.143

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**103.8**	**16.91**	**5.673**	**1.966**	**.0149**	**.0058**	**-.0078**	**2.370**	**.0154**
Stddev	.2	.05	.048	.012	.0004	.0001	.0010	.003	.0005
%RSD	.1965	.2767	.8530	.5982	2.923	1.391	12.86	.1225	3.302
#1	104.0	16.88	5.707	1.974	.0153	.0057	-.0085	2.368	.0150
#2	103.7	16.95	5.639	1.957	.0146	.0059	-.0070	2.372	.0157

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0588**	**1.901**	**.0022**	**.0365**	**.1863**	**.0074**	**.0703**
Stddev	.0003	.008	.0010	.0003	.0018	.0018	.0004
%RSD	.4874	.4358	44.97	.7123	.9748	24.44	.6132
#1	.0586	1.906	.0029	.0363	.1876	.0087	.0706
#2	.0591	1.895	.0015	.0367	.1851	.0061	.0700

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69082.**	**8234.5**	**2493.3**	**3515.1**
Stddev	164.	56.7	6.2	9.5
%RSD	.23802	.68819	.24973	.27165
#1	68966.	8194.5	2497.7	3521.8
#2	69199.	8274.6	2488.9	3508.3

Zoom In Zoom Out

Sample Name: jb68594-70a Acquired: 6/6/2014 23:52:33 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1678**	**.0022**	**.0015**	**.0249**	**.0747**	**.0544**	**1.030**	**.0798**	**.0018**
Stddev	.0007	.0002	.0001	.0000	.0003	.0005	.012	.0007	.0014
%RSD	.4440	9.660	6.324	.1432	.3756	.9486	1.136	.8211	74.71
#1	.1683	.0024	.0015	.0249	.0745	.0540	1.021	.0802	.0028
#2	.1672	.0021	.0014	.0249	.0749	.0548	1.038	.0793	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1050**	**.1878**	**.0141**	**.0010**	**.0433**	**.0048**	**.0015**	**65.57**	**5.503**
Stddev	.0006	.0005	.0009	.0002	.0008	.0003	.0012	.17	.012
%RSD	.5827	.2518	6.316	16.34	1.921	6.075	78.76	.2643	.2134
#1	.1046	.1881	.0135	.0009	.0427	.0046	.0007	65.70	5.511
#2	.1054	.1874	.0148	.0011	.0439	.0050	.0024	65.45	5.494

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**77.42**	**14.11**	**4.557**	**2.370**	**.0148**	**.0055**	**-.0038**	**3.053**	**.0176**
Stddev	.22	.05	.016	.023	.0007	.0001	.0003	.043	.0006
%RSD	.2816	.3520	.3521	.9579	5.002	1.540	8.541	1.425	3.193
#1	77.58	14.15	4.569	2.386	.0154	.0056	-.0036	3.084	.0180
#2	77.27	14.08	4.546	2.354	.0143	.0055	-.0041	3.022	.0172

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0405**	**1.550**	**.0038**	**.0169**	**.3772**	**.0055**	**.0710**
Stddev	.0000	.018	.0006	.0011	.0011	.0019	.0000
%RSD	.0184	1.185	16.39	6.255	.2924	35.41	.0301
#1	.0405	1.537	.0042	.0161	.3780	.0041	.0710
#2	.0405	1.563	.0033	.0176	.3764	.0069	.0710

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68447.**	**8177.3**	**2478.9**	**3508.8**
Stddev	948.	66.5	1.8	9.5
%RSD	1.3844	.81289	.07403	.27140
#1	69117.	8130.3	2477.6	3502.0
#2	67777.	8224.3	2480.2	3515.5

Zoom In Zoom Out

Sample Name: jb68594-74a Acquired: 6/6/2014 23:58:32 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3388**	**.0041**	**.0022**	**.0457**	**.1196**	**.0848**	**1.400**	**.1117**	**.0019**
Stddev	.0006	.0002	.0001	.0003	.0007	.0009	.001	.0000	.0004
%RSD	.1863	4.207	6.667	.6009	.6259	1.114	.0749	.0042	21.14
#1	.3393	.0042	.0023	.0455	.1201	.0841	1.400	.1117	.0022
#2	.3384	.0039	.0021	.0459	.1191	.0855	1.399	.1117	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1942**	**.2530**	**.0298**	**.0018**	**.0551**	**.0025**	**-.0019**	**117.1**	**4.321**
Stddev	.0004	.0003	.0020	.0003	.0005	.0042	.0008	.5	.039
%RSD	.2020	.1032	6.604	15.78	.9176	163.1	41.81	.4120	.9063
#1	.1945	.2531	.0284	.0020	.0547	.0055	-.0014	116.7	4.293
#2	.1939	.2528	.0312	.0016	.0554	-.0004	-.0025	117.4	4.348

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**138.0**	**21.15**	**5.793**	**4.418**	**.0273**	**.0065**	**-.0105**	**2.715**	**.0201**
Stddev	.4	.08	.027	.022	.0004	.0001	.0008	.017	.0004
%RSD	.2749	.3972	.4684	.4904	1.374	.9673	7.754	.6311	1.774
#1	137.7	21.09	5.812	4.402	.0270	.0065	-.0111	2.727	.0198
#2	138.3	21.21	5.774	4.433	.0276	.0066	-.0100	2.703	.0203

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0431**	**2.276**	**.0061**	**.0478**	**.8044**	**.0113**	**.1051**
Stddev	.0001	.001	.0008	.0004	.0032	.0002	.0002
%RSD	.3392	.0595	12.91	.7561	.3967	1.365	.1874
#1	.0430	2.275	.0055	.0475	.8021	.0114	.1052
#2	.0432	2.277	.0066	.0480	.8066	.0111	.1049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68553.**	**8178.4**	**2493.0**	**3503.6**
Stddev	58.	10.3	9.8	9.4
%RSD	.08499	.12631	.39170	.26735
#1	68594.	8171.1	2499.9	3510.2
#2	68511.	8185.7	2486.1	3497.0

Zoom In Zoom Out

Sample Name: jb68594-81a Acquired: 6/7/2014 0:04:28 Type: Unk
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4259**	**.0044**	**.0029**	**.0483**	**.1284**	**.1222**	**1.660**	**.1078**	**.0024**
Stddev	.0006	.0001	.0001	.0009	.0002	.0004	.002	.0014	.0000
%RSD	.1419	1.845	2.606	1.851	.1216	.2945	.1466	1.306	.0229
#1	.4255	.0044	.0029	.0476	.1285	.1224	1.662	.1068	.0024
#2	.4264	.0045	.0030	.0489	.1283	.1219	1.658	.1088	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2895**	**.3537**	**.0320**	**-.0003**	**.1861**	**.0019**	**.0011**	**133.5**	**17.11**
Stddev	.0000	.0046	.0011	.0009	.0029	.0036	.0009	.1	.07
%RSD	.0049	1.290	3.549	291.4	1.544	190.4	79.10	.0500	.4160
#1	.2895	.3505	.0312	-.0010	.1841	.0044	.0017	133.4	17.06
#2	.2895	.3569	.0328	.0003	.1881	-.0007	.0005	133.5	17.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**142.5**	**21.59**	**6.743**	**8.573**	**.0287**	**.0076**	**-.0096**	**3.078**	**.0254**
Stddev	.3	.08	.034	.028	.0009	.0000	.0006	.033	.0005
%RSD	.1760	.3932	.5034	.3305	2.993	.3858	5.790	1.061	1.798
#1	142.3	21.53	6.719	8.593	.0281	.0076	-.0092	3.055	.0257
#2	142.7	21.65	6.767	8.553	.0293	.0076	-.0100	3.102	.0250

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1024**	**3.432**	**.0027**	**.0449**	**.4503**	**.0093**	**.1036**
Stddev	.0001	.007	.0016	.0001	.0078	.0005	.0008
%RSD	.0801	.1971	59.77	.1338	1.730	5.683	.8177
#1	.1024	3.437	.0016	.0449	.4448	.0096	.1042
#2	.1025	3.427	.0038	.0450	.4558	.0089	.1030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69158.**	**8254.8**	**2501.3**	**3472.9**
Stddev	43.	22.7	27.0	40.5
%RSD	.06238	.27470	1.0779	1.1658
#1	69189.	8270.9	2520.4	3501.5
#2	69127.	8238.8	2482.2	3444.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 0:10:28 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.040**	**2.077**	**2.074**	**2.187**	**2.123**	**2.159**	**2.056**	**.2657**
Stddev	.091	.105	.020	.021	.019	.024	.016	.019	.0012
%RSD	4.500	5.134	.9525	1.036	.8850	1.123	.7609	.9422	.4438
#1	2.096	2.114	2.063	2.059	2.201	2.140	2.170	2.042	.2665
#2	1.967	1.966	2.091	2.089	2.174	2.106	2.147	2.070	.2649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.157**	**2.087**	**2.051**	**2.091**	**2.038**	**2.065**	**2.076**	**39.81**	**40.60**
Stddev	.017	.018	.019	.016	.016	.014	.019	1.80	2.11
%RSD	.7979	.8868	.9255	.7590	.7914	.6685	.9201	4.518	5.190
#1	2.169	2.074	2.037	2.080	2.027	2.056	2.063	41.08	42.09
#2	2.145	2.100	2.064	2.103	2.050	2.075	2.090	38.54	39.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.88**	**40.17**	**38.22**	**37.49**	**2.074**	**2.134**	F **2.224**	**5.218**	**2.135**
Stddev	2.08	2.15	1.83	1.70	.020	.021	.020	.046	.020
%RSD	4.974	5.362	4.800	4.532	.9516	.9876	.8830	.8766	.9151
#1	43.36	41.70	39.52	38.69	2.060	2.119	2.237	5.186	2.122
#2	40.41	38.65	36.92	36.29	2.087	2.149	2.210	5.250	2.149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							10.00%		

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 0:10:28 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.070**	**2.114**	**1.963**	**2.152**	**2.066**	**2.067**	**2.094**
Stddev	.092	.020	.041	.019	.012	.020	.084
%RSD	4.467	.9615	2.076	.8670	.5942	.9852	3.988
#1	2.135	2.129	1.934	2.165	2.058	2.053	2.153
#2	2.004	2.100	1.991	2.139	2.075	2.082	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**64818.**	**7871.1**	**2423.8**	**3419.7**
Stddev	504.	383.5	17.7	21.8
%RSD	.77706	4.8720	.73229	.63852
#1	64462.	7599.9	2436.3	3435.1
#2	65174.	8142.3	2411.2	3404.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 0:16:16 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**-.0000**	**.0001**	**.0002**	**.0015**	**.0003**	**.0003**	**-.0005**
Stddev	.0002	.0001	.0000	.0001	.0002	.0005	.0000	.0001	.0001
%RSD	577.9	38.70	83.03	77.78	84.44	30.93	11.76	21.96	30.41
#1	.0001	.0004	-.0001	.0002	.0004	.0018	.0003	.0004	-.0004
#2	-.0001	.0002	-.0000	.0001	.0001	.0011	.0003	.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	**.0003**	**.0001**	**.0008**	**.0009**	**-.0001**	**-.0018**	**-.0001**	**-.0040**	**.0043**
Stddev	.0001	.0001	.0000	.0008	.0002	.0003	.0004	.0009	.0012
%RSD	49.65	55.81	1.550	92.09	196.6	17.35	566.1	22.81	27.96
#1	.0004	.0002	.0008	.0003	-.0003	-.0020	.0002	-.0033	.0051
#2	.0002	.0001	.0008	.0015	.0000	-.0016	-.0004	-.0046	.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	**.0084**	**-.0496**	**.0047**	**-.0009**	**.0007**	**.0009**	**.0011**	**.0022**	**.0005**
Stddev	.0009	.0250	.0166	.0055	.0005	.0002	.0001	.0006	.0010
%RSD	10.34	50.32	353.7	607.1	75.06	24.95	9.965	27.79	204.4
#1	.0090	-.0320	-.0070	.0030	.0010	.0011	.0011	.0027	-.0002
#2	.0077	-.0673	.0164	-.0048	.0003	.0007	.0010	.0018	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 0:16:16 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0187**	**.0009**	**.0011**	**.0015**	**.0006**
Stddev	.0001	.0003	.0006	.0001	.0022	.0005	.0000
%RSD	30.53	394.2	3.467	13.53	206.6	32.88	.8992
#1	.0001	.0003	.0192	.0008	.0026	.0012	.0006
#2	.0002	-.0002	.0183	.0010	-.0005	.0019	.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	**68742.**	**7885.2**	**2497.7**	**3612.0**
Stddev	89.	15.7	5.3	9.1
%RSD	.12931	.19886	.21165	.25173
#1	68805.	7874.1	2494.0	3605.6
#2	68679.	7896.2	2501.5	3618.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/7/2014 0:22:23 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2112**	**.0024**	**.0034**	**.0538**	**.0112**	**.0122**	**.0170**	**.0110**	**.0053**
Stddev	.0002	.0001	.0000	.0001	.0002	.0005	.0000	.0003	.0003
%RSD	.0898	3.174	.3513	.2507	2.063	4.402	.1606	2.562	6.581
#1	.2113	.0024	.0034	.0539	.0111	.0119	.0169	.0112	.0050
#2	.2111	.0023	.0034	.0537	.0114	.0126	.0170	.0108	.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	**.0551**	**.0252**	**.0103**	**.0111**	**.0028**	**.0122**	**.0070**	**.1999**	**5.395**
Stddev	.0003	.0002	.0002	.0008	.0006	.0017	.0000	.0047	.035
%RSD	.5488	.9166	2.184	7.151	20.54	13.89	.3634	2.339	.6509
#1	.0549	.0253	.0101	.0117	.0024	.0134	.0070	.1966	5.419
#2	.0553	.0250	.0105	.0106	.0032	.0110	.0071	.2032	5.370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1273**	**5.359**	**4.900**	**4.803**	**.1049**	**.0219**	F **.0696**	**.2196**	**.0113**
Stddev	.0090	.035	.002	.004	.0001	.0002	.0008	.0009	.0003
%RSD	7.062	.6547	.0316	.0941	.0625	.8959	1.122	.3978	2.680
#1	.1337	5.334	4.899	4.806	.1049	.0221	.0690	.2202	.0111
#2	.1209	5.384	4.901	4.800	.1049	.0218	.0701	.2190	.0115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0500		
Range							30.00%		

Zoom In Zoom Out

Sample Name: cri Acquired: 6/7/2014 0:22:23 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0113**	**.0105**	F **.0679**	**.0126**	**.0553**	**.0236**	**.0225**
Stddev	.0000	.0002	.0010	.0003	.0006	.0004	.0003
%RSD	.2064	2.322	1.435	2.447	1.085	1.869	1.342
#1	.0113	.0106	.0672	.0124	.0549	.0233	.0222
#2	.0113	.0103	.0686	.0128	.0557	.0239	.0227
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0500				
Range			30.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68544.**	**7853.6**	**2488.5**	**3612.5**
Stddev	.	26.8	8.8	8.3
%RSD	.00026	.34066	.35435	.23055
#1	68544.	7834.7	2482.3	3606.6
#2	68543.	7872.5	2494.7	3618.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 0:28:26 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0011**	**.0010**	**.0031**	**.0021**	F **.0034**	**.0035**	**.0044**	F **.0006**
Stddev	.0002	.0000	.0002	.0003	.0000	.0000	.0000	.0003	.0005
%RSD	4.393	2.789	23.37	8.701	2.237	.9877	.6569	7.425	85.94
#1	.0047	.0011	.0008	.0029	.0021	.0033	.0034	.0047	.0002
#2	.0044	.0011	.0011	.0033	.0020	.0034	.0035	.0042	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value						.0020			.0010
Range						30.00%			-30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	F **.0138**	**.0036**	F **.0032**	**.0030**	**.0036**	**.0032**	**.1006**	**1.096**
Stddev	.0004	.0000	.0009	.0009	.0009	.0024	.0007	.0128	.005
%RSD	17.08	.3326	25.38	26.62	29.06	65.85	20.30	12.74	.4482
#1	.0019	.0138	.0043	.0038	.0024	.0019	.0028	.1096	1.099
#2	.0024	.0138	.0030	.0026	.0036	.0053	.0037	.0915	1.092
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.0100		.0020					
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	**.0081**	F **.0658**	**1.966**	**.9551**	**.0099**	**-.0001**	**.0003**	**.0015**	**.0002**
Stddev	.0051	.0443	.036	.0011	.0001	.0000	.0001	.0007	.0004
%RSD	63.62	67.32	1.810	.1184	1.405	42.48	30.32	48.52	169.7
#1	.0045	.0345	1.991	.9543	.0098	-.0000	.0002	.0021	.0005
#2	.0117	.0971	1.941	.9559	.0100	-.0001	.0004	.0010	-.0000
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		-30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 0:28:26 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	F **.0018**	F **.0002**	**.0043**	F **.0016**	F **.0009**
Stddev	.0000	.0002	.0007	.0002	.0017	.0011	.0005
%RSD	11.84	75.77	36.18	94.54	40.01	67.74	60.03
#1	.0001	-.0001	.0023	.0003	.0031	.0024	.0005
#2	.0001	-.0004	.0014	.0001	.0055	.0009	.0013
Check ?	None	None	Chk Fail	Chk Fail	Chk Pass	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	**69612.**	**7919.4**	**2517.9**	**3645.0**
Stddev	64.	4.8	2.2	3.9
%RSD	.09210	.06071	.08685	.10818
#1	69566.	7916.0	2516.4	3647.7
#2	69657.	7922.8	2519.5	3642.2

Sample Name: cria Acquired: 6/7/2014 0:34:33 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**-.0000**	**-.0000**	**.0017**	**.0001**	**.0001**	**-.0005**
Stddev	.0001	.0001	.0000	.0001	.0001	.0002	.0000	.0000	.0001
%RSD	56.45	1030.	43.80	606.7	1195.	14.07	1.533	10.54	11.45
#1	.0002	.0001	.0001	.0001	.0001	.0019	.0001	.0001	-.0005
#2	.0001	-.0001	.0000	-.0001	-.0001	.0015	.0001	.0001	-.0006
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0013**	**.0212**	**.0007**	**.0213**	**.0212**	**.0203**	**.5106**	**.0084**
Stddev	.0001	.0001	.0006	.0009	.0015	.0021	.0001	.0176	.0045
%RSD	55.88	5.276	3.037	132.7	7.097	10.13	.6449	3.452	53.22
#1	.0001	.0014	.0216	.0000	.0224	.0227	.0202	.4981	.0052
#2	.0003	.0013	.0207	.0013	.0203	.0197	.0204	.5230	.0116
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	**.5624**	**-.0263**	**-.0134**	**-.0254**	**.0001**	**.0002**	**.0012**	**.0011**	**.0005**
Stddev	.0088	.0034	.0454	.0105	.0002	.0001	.0003	.0005	.0007
%RSD	1.562	12.93	339.5	41.16	172.8	53.41	28.17	47.81	146.4
#1	.5686	-.0239	-.0455	-.0180	.0003	.0002	.0010	.0007	.0009
#2	.5562	-.0287	.0187	-.0328	-.0000	.0001	.0014	.0015	-.0000
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Sample Name: cria Acquired: 6/7/2014 0:34:33 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0015**	**.0001**	**.0023**	**.0015**	**.0006**
Stddev	.0001	.0003	.0013	.0001	.0001	.0008	.0005
%RSD	145.4	170.5	88.47	83.66	5.177	53.86	74.18
#1	.0001	-.0003	.0025	.0000	.0024	.0021	.0010
#2	-.0000	.0000	.0006	.0001	.0022	.0009	.0003
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68621.**	**7883.5**	**2506.3**	**3633.9**
Stddev	51.	24.9	31.2	41.5
%RSD	.07375	.31642	1.2432	1.1412
#1	68656.	7901.1	2484.3	3604.6
#2	68585.	7865.9	2528.3	3663.2

Sample Name: icsa Acquired: 6/7/2014 0:40:41 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0007**	**.0038**	**-.0008**	**.0002**	**-.0015**	**.0073**	**.0007**	**-.0004**
Stddev	.0001	.0002	.0001	.0001	.0005	.0008	.0001	.0003	.0001
%RSD	4.603	24.06	2.132	7.007	329.6	53.16	1.483	40.50	22.26
#1	-.0013	.0008	.0037	-.0008	-.0002	-.0009	.0073	.0005	-.0005
#2	-.0012	.0006	.0038	-.0009	.0005	-.0021	.0074	.0009	-.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	**.0037**	**.0029**	**.0010**	**-.0008**	**-.0015**	**.0041**	**.0020**	**520.8**	**398.4**
Stddev	.0005	.0004	.0001	.0016	.0001	.0001	.0010	.0	.6
%RSD	13.01	14.93	8.621	207.0	7.538	1.930	51.10	.0028	.1424
#1	.0033	.0032	.0010	.0003	-.0014	.0041	.0027	520.8	398.0
#2	.0040	.0026	.0011	-.0019	-.0016	.0040	.0013	520.8	398.8
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	**200.5**	**529.4**	**.0933**	**-.0140**	**-.0003**	**.0000**	**-.0152**	**-.0009**	**-.0030**
Stddev	.3	1.3	.0079	.0086	.0004	.0001	.0002	.0006	.0007
%RSD	.1404	.2386	8.439	61.54	153.3	3568.	1.006	69.89	24.83
#1	200.3	528.6	.0877	-.0201	-.0005	.0001	-.0154	-.0013	-.0025
#2	200.7	530.3	.0988	-.0079	.0000	-.0001	-.0151	-.0004	-.0035
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: 6/7/2014 0:40:41 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0020**	**-.0443**	**.0022**	**-.0170**	**.0331**	**.0052**
Stddev	.0001	.0003	.0013	.0001	.0013	.0001	.0008
%RSD	1.597	13.76	3.033	3.675	7.727	.2176	15.56
#1	-.0048	.0018	-.0434	.0021	-.0180	.0331	.0046
#2	-.0049	.0022	-.0453	.0022	-.0161	.0330	.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	**59752.**	**7317.8**	**2182.9**	**3020.4**
Stddev	213.	23.6	20.0	21.9
%RSD	.35713	.32220	.91523	.72490
#1	59903.	7334.4	2168.8	3004.9
#2	59601.	7301.1	2197.0	3035.9

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/7/2014 0:46:43 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5364**	**.5295**	**1.089**	**.5006**	**.5086**	**.5426**	**.5251**	**.9656**	**1.147**
Stddev	.0157	.0165	.004	.0023	.0402	.0497	.0386	.0037	.086
%RSD	2.934	3.116	.3264	.4652	7.912	9.168	7.357	.3850	7.518
#1	.5253	.5179	1.087	.4989	.4801	.5074	.4978	.9630	1.086
#2	.5475	.5412	1.092	.5022	.5371	.5777	.5524	.9683	1.208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4997**	**1.002**	**1.154**	**.9908**	**.9729**	**1.147**	**1.111**	**532.0**	**404.6**
Stddev	.0382	.002	.003	.0076	.0048	.010	.001	16.5	13.0
%RSD	7.646	.1897	.2290	.7673	.4965	.8665	.0518	3.107	3.210
#1	.4727	1.001	1.152	.9855	.9695	1.140	1.111	520.3	395.4
#2	.5267	1.003	1.156	.9962	.9763	1.154	1.110	543.6	413.8
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	**205.4**	**544.0**	**.0951**	**.0077**	**.0016**	**.5419**	F **.6312**	**-.0019**	**-.0024**
Stddev	6.5	17.2	.0089	.0085	.0008	.0019	.0555	.0028	.0004
%RSD	3.145	3.152	9.361	111.1	47.10	.3471	8.786	146.1	14.38
#1	200.9	531.9	.1014	.0016	.0021	.5406	.5920	.0001	-.0022
#2	210.0	556.2	.0888	.0137	.0011	.5432	.6704	-.0039	-.0027
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Fail	None	None
Value							.5000		
Range							20.00%		

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/7/2014 0:46:43 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0022**	**.5952**	F **.2435**	**.5248**	**.5943**	F **.6348**
Stddev	.0002	.0004	.0053	.0198	.0044	.0018	.0177
%RSD	4.572	18.13	.8971	8.128	.8308	.3040	2.791
#1	-.0048	.0019	.5990	.2295	.5217	.5930	.6222
#2	-.0051	.0025	.5915	.2575	.5279	.5956	.6473
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value				.5000			.5000
Range				-20.00%			20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60424.**	**7149.3**	**2158.2**	**2996.2**
Stddev	4170.	198.4	4.8	11.1
%RSD	6.9019	2.7747	.22060	.37110
#1	63373.	7289.5	2161.6	3004.0
#2	57475.	7009.0	2154.8	2988.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 0:52:36 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.067**	**2.081**	**2.072**	**2.163**	**2.092**	**2.126**	**2.047**	**.2642**
Stddev	.161	.160	.017	.016	.069	.095	.074	.015	.0064
%RSD	7.827	7.752	.8362	.7558	3.192	4.536	3.500	.7125	2.428
#1	2.172	2.181	2.069	2.061	2.114	2.025	2.073	2.037	.2597
#2	1.944	1.954	2.093	2.083	2.211	2.159	2.178	2.057	.2687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.128**	**2.091**	**2.049**	**2.085**	**2.031**	**2.060**	**2.077**	**40.50**	**41.44**
Stddev	.075	.014	.014	.013	.012	.016	.016	3.28	3.25
%RSD	3.507	.6724	.6746	.6315	.6128	.7536	.7663	8.106	7.847
#1	2.075	2.081	2.039	2.076	2.023	2.049	2.066	42.82	43.74
#2	2.180	2.101	2.059	2.095	2.040	2.071	2.088	38.18	39.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.84**	**40.99**	**38.22**	**37.40**	**2.081**	**2.146**	F **2.214**	**5.254**	**2.145**
Stddev	3.33	3.56	2.70	2.79	.021	.019	.102	.050	.015
%RSD	7.779	8.677	7.071	7.447	1.017	.8784	4.601	.9494	.7114
#1	45.20	43.50	40.13	39.37	2.066	2.133	2.142	5.219	2.134
#2	40.48	38.47	36.31	35.43	2.096	2.159	2.286	5.289	2.155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							10.00%		

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 0:52:36 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.111**	**2.081**	**1.994**	**2.106**	**2.071**	**2.057**	**2.132**
Stddev	.162	.077	.037	.077	.016	.017	.163
%RSD	7.659	3.703	1.837	3.638	.7927	.8339	7.655
#1	2.226	2.026	1.968	2.052	2.059	2.045	2.247
#2	1.997	2.135	2.020	2.160	2.083	2.070	2.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**65414.**	**7680.8**	**2413.9**	**3420.9**
Stddev	2115.	539.1	21.2	27.1
%RSD	3.2338	7.0190	.87947	.79134
#1	66910.	7299.5	2428.9	3440.1
#2	63918.	8062.0	2398.9	3401.8

Sample Name: ccb Acquired: 6/7/2014 0:58:26 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**.0018**	**.0002**	**.0004**	**-.0006**
Stddev	.0001	.0000	.0001	.0002	.0001	.0003	.0000	.0004	.0001
%RSD	79.82	5.967	111.4	62.16	131.1	15.18	.3031	125.7	20.93
#1	.0001	.0001	.0002	.0004	.0001	.0016	.0002	.0007	-.0007
#2	.0002	.0001	.0000	.0001	.0000	.0020	.0002	.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**.0006**	**.0012**	**.0000**	**-.0013**	**-.0005**	**-.0081**	**.0117**
Stddev	.0000	.0001	.0008	.0011	.0003	.0010	.0004	.0105	.0083
%RSD	2.209	85.70	129.8	90.23	3759.	79.93	76.92	129.7	71.17
#1	.0005	.0000	.0012	.0020	.0002	-.0020	-.0002	-.0155	.0176
#2	.0005	.0001	.0000	.0004	-.0002	-.0006	-.0008	-.0007	.0058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0123**	**-.0524**	**.0467**	**-.0262**	**.0010**	**.0009**	**-.0004**	**.0039**	**.0005**
Stddev	.0055	.0137	.0644	.0122	.0001	.0000	.0006	.0002	.0005
%RSD	45.03	26.07	137.8	46.39	9.323	.5913	168.1	4.198	109.1
#1	.0162	-.0621	.0922	-.0176	.0011	.0009	.0001	.0038	.0001
#2	.0084	-.0428	.0012	-.0348	.0010	.0009	-.0008	.0040	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: ccb Acquired: 6/7/2014 0:58:26 Type: QC
Method: Accutest1(v357) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0196**	**.0010**	**.0023**	**.0030**	**.0006**
Stddev	.0000	.0004	.0013	.0001	.0000	.0004	.0000
%RSD	2.212	398.3	6.742	7.456	.3839	14.59	2.051
#1	.0001	.0002	.0206	.0010	.0023	.0033	.0006
#2	.0001	-.0004	.0187	.0009	.0022	.0027	.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	**68388.**	**7917.7**	**2500.2**	**3631.1**
Stddev	272.	39.6	6.9	10.4
%RSD	.39778	.49986	.27752	.28635
#1	68195.	7945.7	2505.1	3638.5
#2	68580.	7889.8	2495.3	3623.8

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	0.001380	0.000000	No
Be 313.042 {108}	☒	13	V	0.000497	0.000000	No
			Mo	-0.000027	0.000000	No
			Ti	-0.000701	0.000000	No
			Mn	-0.000010	0.000000	No
			Ba	0.000038	0.000000	No
			Co	-0.000065	0.000000	No
			Ni	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	-0.000003	0.000000	No
			Cr	-0.000020	0.000000	No
			W	0.000000	0.000000	No
Cd 228.802 {448}	☒	14	As	0.010250	0.000000	No
			Ni	-0.000173	0.000000	No
			Fe	-0.000012	0.000000	No
			V	0.000091	0.000000	No
			Ba	-0.000047	0.000000	No
			Co	-0.001503	0.000000	No
			Sr	-0.000020	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000010	0.000000	No
			Cr	0.000025	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000026	0.000000	No
			W	0.000000	0.000000	No
			Al	-0.000002	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000032	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001939	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001812	0.000000	No
			Ba	-0.000371	0.000000	No
			W	-0.001840	0.000000	No
			Cd	-0.000510	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	0.000018	0.000000	No
			Fe	-0.000008	0.000000	No
			W	0.000253	0.000000	No
			Cd	-0.000050	0.000000	No
			Al	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mg	0.000003	0.000000	No
			Ti	0.000100	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	20	Cr	-0.000200	0.000000	No
			V	-0.000233	0.000000	No
			Mo	0.000556	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	-0.000082	0.000000	No
				Fe	-0.000075	0.000000	No
				Al	0.000006	0.000000	No
				Sn	-0.000097	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000427	0.000000	No
				Zr	-0.000330	0.000000	No
				Si	0.000080	0.000000	No
				Mn	-0.000080	0.000000	No
				Se	0.000050	0.000000	No
				Ba	-0.000000	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000300	0.000000	No
				Sb	0.000370	0.000000	No
				Mg	-0.000002	0.000000	No
				Ca	-0.000001	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	☒	7	Fe	-0.000095	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				As	0.000001	0.000000	No
				Ca	-0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Ni	0.000028	0.000000	No
	Ni 231.604 {446}	☒	17	Fe	0.000014	0.000000	No
				Zn	0.000079	0.000000	No
				Be	0.000213	0.000000	No
				Co	-0.000525	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000002	0.000000	No
				Mo	-0.000374	0.000000	No
				V	-0.000032	0.000000	No
				Cu	0.000050	0.000000	No
				Se	0.000100	0.000000	No
				Al	-0.000002	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	☒	15	Mn	0.000051	0.000000	No
				Mo	-0.000147	0.000000	No
				Ti	-0.001500	0.000000	No
				Fe	-0.000691	0.000000	No
				V	0.000028	0.000000	No
				Zn	0.000046	0.000000	No
				W	0.000000	0.000000	No
				Ca	-0.000015	0.000000	No
				Zr	0.007000	0.000000	No
				Al	-0.000002	0.000000	No
				Sr	-0.000200	0.000000	No
				Mg	-0.000008	0.000000	No
				Ba	-0.000056	0.000000	No
				Cr	0.000010	0.000000	No
				S	0.000000	0.000000	No
	V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.013500	0.000000	No
			Fe	-0.000004	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003049	0.000000	No
			Mn	-0.000900	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000710	0.000000	No
			Mo	-0.000300	0.000000	No
			Fe	-0.000010	0.000000	No
			Al	0.000005	0.000000	No
			Si	-0.000035	0.000000	No
			Mn	-0.000045	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000255	0.000000	No
			Cu	0.000056	0.000000	No
			As	0.000500	0.000000	No
			Be	0.000364	0.000000	No
			Pd	-0.000008	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
As 189.042 {478}	☒	24	Al	0.000016	0.000000	No
			Fe	-0.000026	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	-0.000105	0.000000	No
			Mo	0.003000	0.000000	No
			Cr	0.000700	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	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Na	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000405	0.000000	No
			Mo	-0.007750	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000086	0.000000	No
			V	-0.029200	0.000000	No
			Mn	0.001598	0.000000	No
			Si	-0.000069	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.001652	0.000000	No
			Mg	0.000000	0.000000	No
			Co	0.003209	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Sr	-0.000006	0.000000	No
				B	0.003650	0.000000	No
				Ba	-0.000056	0.000000	No
				Zn	0.001447	0.000000	No
				As	0.000077	0.000000	No
				W	0.000000	0.000000	No
				Ni	0.000064	0.000000	No
				Cu	0.000232	0.000000	No
				Zr	0.000067	0.000000	No
				Pd	0.000045	0.000000	No
				Pb	0.000000	0.000000	No
				S	0.000010	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Sn	-0.000083	0.000000	No
				Li	0.000100	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000126	0.000000	No
				Fe	0.000051	0.000000	No
				Ca	-0.000000	0.000000	No
				Mn	-0.000023	0.000000	No
				Zn	-0.000386	0.000000	No
				Mo	-0.000700	0.000000	No
				Cu	0.000110	0.000000	No
				V	-0.000338	0.000000	No
				Co	0.000111	0.000000	No
				Ti	-0.000016	0.000000	No
				Si	-0.000010	0.000000	No
				Ba	0.000020	0.000000	No
				Sb	-0.000200	0.000000	No
				K	0.000000	0.000000	No
				Sr	0.000117	0.000000	No
				W	0.000000	0.000000	No
				Mg	-0.000001	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000138	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000935	0.000000	No
				Ni	0.000300	0.000000	No
				S	-0.000015	0.000000	No
	Se 196.090 {472}	☒	26	Al	-0.000001	0.000000	No
				Ca	0.000005	0.000000	No
				Mn	0.000151	0.000000	No
				Mo	0.000081	0.000000	No
				Fe	-0.000110	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	0.050000	0.000000	No
				Si	-0.000353	0.000000	No
				Tl	0.000000	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000450	0.000000	No
				B	-0.000175	0.000000	No
				Pd	-0.000223	0.000000	No
				Ti	-0.000359	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	0.000000	0.000000	No
			Ba	0.004800	0.000000	No
			Mg	-0.000004	0.000000	No
			Pb	0.000154	0.000000	No
			Ni	-0.000250	0.000000	No
			Cr	0.000100	0.000000	No
			K	0.000000	0.000000	No
			Na	0.000000	0.000000	No
Sb 206.833 {463}	☒	17	Fe	0.000013	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	-0.000001	0.000000	No
			Ni	-0.000686	0.000000	No
			Cr	0.015510	0.000000	No
			V	-0.002400	0.000000	No
			Zn	-0.000215	0.000000	No
			Mo	0.000500	0.000000	No
			Ti	0.000300	0.000000	No
			Sn	-0.016050	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.001760	0.000000	No
			Sr	0.000031	0.000000	No
			Mn	-0.000075	0.000000	No
			S	0.000001	0.000000	No
			W	0.000000	0.000000	No
			B	0.000000	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.034000	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	0.000419	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.006667	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	0.003280	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	-0.001181	0.000000	No
			Tl	-0.002602	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	0.000000	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	0.000000	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.020250	0.000000	No
			W	-0.006578	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000140	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	-0.015570	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.000000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.024280	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.020000	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001428	0.000000	No
			V	0.000552	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	0.000038	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.017300	0.000000	No
			Co	-0.007036	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000177	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	12	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.023200	0.000000	No
			V	-0.001400	0.000000	No
			Ti	0.006970	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000044	0.000000	No
			Sn	0.005721	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.002000	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.003950	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000131	0.000000	No
			Pd	-0.000385	0.000000	No
Sr 407.771 { 83}	☒	3	Fe	0.000000	0.000000	No
			Ca	0.000043	0.000000	No
			Si	0.000033	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	0.000135	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000900	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.000015	0.000000	No
			Sn	0.001300	0.000000	No
			Zr	-0.002570	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.003000	0.000000	No
			Co	-0.001000	0.000000	No
			Ni	-0.003000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.001300	0.000000	No
			Ba	-0.001360	0.000000	No
			Tl	-0.002600	0.000000	No
Zr 339.198 { 99}	☒	6	Mo	0.000250	0.000000	No
			Ti	-0.000050	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000870	0.000000	No
			S	0.000039	0.000000	No
			Pd	0.000000	0.000000	No
S 182.034 {485}	☒	7	Ca	0.000063	0.000000	No
			Mo	0.000614	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	-0.000028	0.000000	No
			Mn	0.002300	0.000000	No
			W	-0.028686	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	6	Ti	-0.002693	0.000000	No
			V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	-0.000010	0.000000	No
			Mg	-0.000014	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	-0.003914	0.000000	No
	Li 670.784 { 50}	☒	None				

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	-0.000221	2.658717	0.000000	1.000000
	Be 313.042 {108}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000206	1.192209	0.000000	1.000000
	Cd 228.802 {448}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000432	0.933768	0.000000	1.000000
	Co 228.616 {448}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000122	0.609528	0.000000	1.000000
	Cr 267.716 {126}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	-0.000012	0.081649	0.000000	1.000000
	Cu 324.754 {104}2	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.002324	0.204757	0.000000	1.000000
	Mn 257.610 {131}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000019	0.559721	0.000000	1.000000
	Ni 231.604 {446}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	-0.000484	0.474396	0.000000	1.000000
	Ag 328.068 {103}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	-0.000211	0.114815	0.000000	1.000000
	V 292.402 {115}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	-0.000031	0.151134	0.000000	1.000000
	Zn 206.200 {464}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000264	1.047548	0.000000	1.000000
	As 189.042 {478}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000143	0.096186	0.000000	1.000000
	Tl 190.856 {477}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	-0.000139	0.069499	0.000000	1.000000
	Pb 220.353 {453}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000045	0.190163	0.000000	1.000000
	Se 196.090 {472}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000100	0.073107	0.000000	1.000000
	Sb 206.833 {463}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	-0.000076	0.155579	0.000000	1.000000
	Al 396.152 { 85}	6/9/2014 8:05:44	6/6/2014 18:11:37	Linear	1/Conc	0.000106	0.032291	0.000000	1.000000
	Ca 317.933 {106}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.003608	0.038855	0.000000	1.000000
	Fe 259.940 {130}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000155	0.020910	0.000000	1.000000
	Mg 279.079 {121}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000043	0.003367	0.000000	1.000000
	K 766.490 { 44}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000139	0.029563	0.000000	1.000000
	Na 589.592 { 57}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.002731	0.073729	0.000000	1.000000
	B 208.959 {462}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000282	0.240154	0.000000	1.000000
	Mo 202.030 {467}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000459	0.720010	0.000000	1.000000
	Pd 340.458 { 99}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	-0.000068	0.041972	0.000000	1.000000
	Si 212.412 {459}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.002291	0.208501	0.000000	1.000000
	Sn 189.989 {478}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000148	0.170181	0.000000	1.000000
	Sr 407.771 { 83}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	-0.000729	3.722073	0.000000	1.000000
	Ti 334.904 {101}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	-0.000069	0.135822	0.000000	1.000000
	Y 360.073 { 94}*	6/9/2014 8:05:44	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	6/9/2014 8:05:44	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	6/9/2014 8:05:44	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	6/9/2014 8:05:44	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.004406	0.272580	0.000000	1.000000
	Zr 339.198 { 99}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000072	0.355518	0.000000	1.000000
	S 182.034 {485}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.000108	0.046495	0.000000	1.000000
	Bi 223.061 {451}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	-0.000251	0.166047	0.000000	1.000000
	Li 670.784 { 50}	6/9/2014 8:05:44	6/6/2014 18:11:38	Linear	1/Conc	0.001333	1.560532	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	0.000270	0.000899	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000167	0.000556	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000189	0.000631	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000238	0.000792	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000526	0.001753	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000495	0.001649	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000072	0.000241	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000344	0.001148	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000757	0.002524	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000390	0.001301	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000149	0.000496	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001216	0.004053	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001418	0.004726	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001215	0.004049	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002163	0.007210	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001275	0.004250	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.015232	0.050774	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.006091	0.020303	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.005868	0.019559	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.046108	0.153692	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.048505	0.161682	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.018047	0.060155	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000609	0.002029	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000243	0.000809	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001973	0.006578	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000947	0.003158	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000718	0.002395	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000117	0.000391	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000585	0.001951	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	0.001235	0.004116	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000238	0.000793	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002687	0.008956	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001521	0.005071	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000935	0.003116	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/9/2014 9:13:43 Type: Cal
Method: Accutest1(v228) 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	**.0027**	**.0003**	**.0006**	**.0000**	**.0000**	**.0021**	**.0000**	**.0001**	**-.0002**
Stddev	.0001	.0000	.0001	.0000	.0000	.0000	.0000	.0000	.0000
%RSD	2.895	.4876	17.21	209.7	83.71	1.229	38.84	14.19	11.83
#1	.0026	.0003	.0007	-.0000	.0000	.0021	.0000	.0001	-.0002
#2	.0027	.0003	.0005	.0000	.0000	.0020	.0000	.0001	-.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**	**.0012**	**.0001**	**-.0000**	**.0001**	**.0002**	**-.0002**	**.0002**	**.0036**
Stddev	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0000	.0000
%RSD	168.5	3.479	27.07	14.08	83.13	46.31	55.11	17.65	.6235
#1	.0000	.0013	.0001	-.0000	.0000	.0002	-.0003	.0003	.0036
#2	-.0000	.0012	.0001	-.0000	.0002	.0003	-.0001	.0002	.0036

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**	**.0002**	**.0060**	**.0008**	**-.0000**	**-.0002**	**.0046**	**.0001**
Stddev	.0000	.0000	.0000	.0003	.0000	.0001	.0000	.0018	.0001
%RSD	164.3	104.2	7.696	4.251	3.662	307.0	1.016	38.67	45.24
#1	-.0000	-.0000	.0002	.0058	.0008	.0000	-.0002	.0034	.0001
#2	.0001	-.0001	.0002	.0062	.0008	-.0001	-.0002	.0059	.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**	**.0002**	**-.0001**	**.0018**	**-.0003**	**-.0005**
Stddev	.0001	.0000	.0000	.0000	.0000	.0001	.0003
%RSD	19.33	41.55	14.42	22.30	2.483	22.89	59.07
#1	-.0008	-.0001	.0002	-.0002	.0018	-.0002	-.0007
#2	-.0006	-.0001	.0002	-.0001	.0018	-.0003	-.0003

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/9/2014 9:13:43 Type: Cal
Method: Accutest1(v228) 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	**59944.**	**14196.**	**1992.7**	**4213.4**
Stddev	25.	33.	9.9	24.6
%RSD	.04233	.23373	.49572	.58268
#1	59926.	14173.	1985.7	4196.0
#2	59962.	14220.	1999.7	4230.7

Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/9/2014 9:19:51 Type: Cal
Method: Accutest1(v228) 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	**9.478**	**9.398**	**4.247**	**2.156**	**.3310**	**.8899**	**1.846**	**1.543**	**.0528**
Stddev	.006	.008	.058	.027	.0012	.0024	.005	.018	.0003
%RSD	.0633	.0894	1.367	1.234	.3726	.2703	.2779	1.152	.5140
#1	9.474	9.404	4.288	2.175	.3318	.8882	1.850	1.555	.0530
#2	9.482	9.392	4.206	2.138	.3301	.8916	1.843	1.530	.0526

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	**.4263**	**3.796**	**.4366**	**.2134**	**.6176**	**.3303**	**.8152**	**3.443**	**4.163**
Stddev	.0006	.048	.0061	.0030	.0075	.0043	.0107	.002	.002
%RSD	.1399	1.275	1.393	1.404	1.209	1.311	1.317	.0647	.0404
#1	.4268	3.830	.4409	.2155	.6228	.3333	.8228	3.441	4.164
#2	.4259	3.761	.4323	.2113	.6123	.3272	.8076	3.444	4.162

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.824**	**.4512**	**4.174**	**14.61**	**1.049**	**3.553**	**.1686**	**2.779**	**.6540**
Stddev	.001	.0011	.000	.01	.016	.051	.0002	.041	.0080
%RSD	.0189	.2440	.0038	.0656	1.520	1.435	.0934	1.489	1.223
#1	3.824	.4519	4.174	14.61	1.060	3.589	.1685	2.808	.6596
#2	3.823	.4504	4.174	14.62	1.038	3.517	.1687	2.749	.6483

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18.75**	**.4752**	**1.568**	**1.106**	**.2030**	**1.045**	**5.443**
Stddev	.05	.0005	.022	.001	.0027	.017	.003
%RSD	.2774	.0977	1.418	.0698	1.347	1.579	.0627
#1	18.79	.4756	1.584	1.106	.2049	1.057	5.441
#2	18.72	.4749	1.552	1.107	.2011	1.034	5.446

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/9/2014 9:19:51 Type: Cal
Method: Accutest1(v228) 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	**54506.**	**13775.**	**1826.3**	**3545.7**
Stddev	13.	28.	23.8	39.8
%RSD	.02465	.20086	1.3017	1.1231
#1	54515.	13756.	1809.4	3517.5
#2	54496.	13795.	1843.1	3573.8

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/9/2014 9:25:50 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**2.044**	**2.021**	**2.021**	**2.053**	**1.965**	**2.056**	**2.052**	**.2460**
Stddev	.005	.003	.016	.013	.006	.007	.001	.013	.0011
%RSD	.2320	.1564	.7965	.6581	.2938	.3394	.0703	.6294	.4666
#1	2.021	2.042	2.033	2.030	2.057	1.961	2.057	2.062	.2468
#2	2.014	2.047	2.010	2.011	2.049	1.970	2.055	2.043	.2452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.065**	**2.008**	**2.107**	**2.067**	**2.014**	**2.014**	**39.55**	**40.23**
Stddev	.000	.016	.017	.007	.010	.020	.021	.00	.08
%RSD	.0053	.7619	.8364	.3514	.4671	.9966	1.023	.0047	.2044
#1	1.996	2.076	2.020	2.113	2.074	2.029	2.029	39.56	40.17
#2	1.996	2.054	1.996	2.102	2.060	2.000	2.000	39.55	40.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.50**	**39.79**	**39.15**	**39.68**	**2.056**	**2.058**	**1.994**	**5.013**	**2.076**
Stddev	.07	.14	.06	.04	.017	.016	.003	.039	.019
%RSD	.1713	.3555	.1539	.0893	.8222	.7800	.1518	.7812	.9152
#1	40.45	39.69	39.19	39.71	2.068	2.070	1.992	5.041	2.089
#2	40.55	39.89	39.11	39.66	2.044	2.047	1.996	4.986	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/9/2014 9:25:50 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.053**	**2.028**	**2.023**	**2.016**	**1.998**	**2.022**	**1.958**
Stddev	.002	.008	.014	.001	.016	.017	.004
%RSD	.0964	.4080	.6745	.0372	.7921	.8451	.2208
#1	2.055	2.034	2.032	2.017	2.009	2.034	1.961
#2	2.052	2.022	2.013	2.015	1.987	2.010	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	**56362.**	**13901.**	**1881.8**	**3704.0**
Stddev	39.	13.	12.7	17.8
%RSD	.06930	.09317	.67407	.47946
#1	56334.	13892.	1872.8	3691.5
#2	56389.	13910.	1890.7	3716.6

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/9/2014 9:31:44 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0005**	**.0001**	**-.0002**	**.0004**
Stddev	.0001	.0001	.0000	.0000	.0000	.0003	.0000	.0002	.0001
%RSD	92.13	34.37	22.27	14.62	11.78	64.18	33.47	87.38	20.15
#1	.0002	.0002	.0002	.0001	.0002	.0007	.0001	-.0004	.0004
#2	.0000	.0001	.0001	.0001	.0002	.0003	.0002	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0003**	**-.0003**	**.0010**	**.0007**	**-.0001**	**-.0006**	**.0106**	**-.0088**
Stddev	.0004	.0000	.0011	.0010	.0002	.0021	.0004	.0023	.0031
%RSD	114.8	12.41	409.1	105.0	24.55	3100.	72.38	21.77	35.46
#1	.0001	-.0003	.0005	.0017	.0006	.0014	-.0003	.0122	-.0110
#2	.0007	-.0004	-.0010	.0002	.0009	-.0016	-.0009	.0089	-.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	**.0035**	**.0212**	**.0355**	**.0118**	**.0011**	**.0003**	**-.0006**	**-.0032**	**.0002**
Stddev	.0011	.0097	.0024	.0000	.0007	.0000	.0004	.0003	.0001
%RSD	32.41	45.66	6.735	.3594	62.25	10.30	74.52	8.788	39.61
#1	.0042	.0281	.0338	.0118	.0016	.0003	-.0009	-.0030	.0002
#2	.0027	.0144	.0372	.0118	.0006	.0003	-.0003	-.0034	.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: 6/9/2014 9:31:44 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**.0021**	**.0001**	**.0021**	**-.0003**	**-.0003**
Stddev	.0000	.0004	.0000	.0001	.0012	.0003	.0006
%RSD	9.075	122.9	.2974	84.48	57.23	108.5	231.3
#1	.0002	.0006	.0021	.0002	.0030	-.0005	-.0007
#2	.0001	.0000	.0021	.0000	.0013	-.0001	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59886.**	**14193.**	**1980.1**	**4192.2**
Stddev	80.	21.	10.4	18.5
%RSD	.13309	.14529	.52597	.44047
#1	59942.	14179.	1972.8	4179.2
#2	59830.	14208.	1987.5	4205.3

Zoom In Zoom Out

Sample Name: icv Acquired: 6/9/2014 9:39:08 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**2.064**	**2.045**	**2.025**	**2.083**	**1.980**	**2.080**	**2.077**	**.2502**
Stddev	.002	.009	.008	.004	.002	.002	.003	.005	.0008
%RSD	.0856	.4597	.3703	.2083	.0803	.0940	.1245	.2607	.3282
#1	2.051	2.074	2.052	2.029	2.083	1.980	2.077	2.082	.2492
#2	2.048	2.063	2.046	2.026	2.085	1.978	2.082	2.079	.2507
#3	2.048	2.055	2.037	2.021	2.081	1.982	2.082	2.071	.2506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.975**	**2.098**	**2.067**	F **2.120**	**2.082**	**2.037**	**2.028**	**40.05**	**40.63**
Stddev	.004	.009	.005	.007	.003	.006	.007	.06	.26
%RSD	.1832	.4333	.2322	.3284	.1231	.3021	.3681	.1393	.6356
#1	1.972	2.106	2.072	2.123	2.085	2.043	2.034	40.11	40.85
#2	1.979	2.100	2.066	2.125	2.082	2.036	2.029	40.05	40.69
#3	1.973	2.088	2.062	2.112	2.080	2.031	2.019	40.00	40.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				5.000%					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.58**	**41.22**	**40.63**	**40.60**	**2.095**	**2.013**	F **2.258**	**5.195**	**2.075**
Stddev	.21	.25	.10	.06	.008	.007	.002	.020	.006
%RSD	.5103	.6030	.2403	.1528	.3697	.3440	.0860	.3790	.2781
#1	41.79	41.44	40.68	40.67	2.101	2.019	2.257	5.212	2.081
#2	41.59	41.27	40.70	40.58	2.097	2.015	2.256	5.200	2.075
#3	41.36	40.95	40.52	40.56	2.086	2.005	2.260	5.173	2.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Zoom In Zoom Out

Sample Name: icv Acquired: 6/9/2014 9:39:08 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.082**	F **2.177**	F **2.119**	**2.037**	F **2.116**	F **2.247**
Stddev	.002	.002	.008	.003	.013	.010	.004
%RSD	.0977	.0849	.3721	.1238	.6364	.4527	.1931
#1	2.060	2.082	2.185	2.118	2.052	2.125	2.246
#2	2.057	2.080	2.176	2.117	2.032	2.119	2.243
#3	2.057	2.084	2.169	2.122	2.028	2.106	2.252
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value			2.000	2.000		2.000	2.000
Range			5.000%	5.000%		5.000%	5.000%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56163.**	**13954.**	**1873.4**	**3684.5**
Stddev	79.	106.	5.2	6.4
%RSD	.14024	.76100	.27871	.17315
#1	56240.	13866.	1869.2	3679.3
#2	56166.	13925.	1871.8	3682.5
#3	56083.	14072.	1879.3	3691.6

Zoom In Zoom Out

Sample Name: icv Acquired: 6/9/2014 9:45:56 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.044**	**2.039**	**2.041**	**2.062**	**1.969**	**2.060**	**2.071**	**.2469**
Stddev	.001	.006	.002	.003	.004	.005	.004	.002	.0008
%RSD	.0499	.2903	.1195	.1224	.1948	.2672	.2100	.0899	.3186
#1	2.023	2.047	2.041	2.044	2.059	1.971	2.056	2.073	.2474
#2	2.022	2.048	2.038	2.041	2.062	1.974	2.065	2.070	.2474
#3	2.021	2.037	2.037	2.039	2.067	1.964	2.059	2.070	.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	**2.004**	**2.083**	**2.021**	F **2.123**	**2.083**	**1.997**	**2.030**	**39.64**	**40.50**
Stddev	.002	.006	.004	.007	.005	.002	.001	.05	.13
%RSD	.0939	.2711	.1724	.3393	.2352	.0817	.0620	.1220	.3182
#1	2.003	2.090	2.019	2.131	2.085	1.997	2.031	39.68	40.56
#2	2.006	2.081	2.025	2.122	2.077	1.995	2.031	39.64	40.58
#3	2.003	2.079	2.020	2.117	2.086	1.998	2.029	39.59	40.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				5.000%					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.58**	**39.98**	**39.13**	**39.74**	**2.075**	**2.076**	**2.005**	**5.053**	**2.094**
Stddev	.08	.13	.04	.06	.002	.003	.006	.000	.003
%RSD	.1925	.3272	.0962	.1576	.0909	.1506	.2800	.0032	.1269
#1	40.59	40.04	39.17	39.80	2.075	2.079	2.010	5.054	2.096
#2	40.65	40.06	39.13	39.74	2.076	2.077	2.006	5.053	2.094
#3	40.49	39.83	39.09	39.68	2.072	2.073	1.999	5.053	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: icv Acquired: 6/9/2014 9:45:56 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**2.040**	**2.042**	**2.020**	**2.016**	**2.040**	**1.964**
Stddev	.002	.006	.003	.001	.004	.003	.004
%RSD	.1007	.2931	.1619	.0516	.1967	.1549	.2029
#1	2.060	2.047	2.044	2.019	2.015	2.041	1.966
#2	2.060	2.036	2.043	2.021	2.013	2.042	1.959
#3	2.056	2.037	2.038	2.020	2.020	2.036	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	**56211.**	**13869.**	**1869.9**	**3678.8**
Stddev	61.	19.	1.2	1.5
%RSD	.10868	.13596	.06541	.04117
#1	56234.	13866.	1870.7	3680.1
#2	56141.	13851.	1868.5	3679.3
#3	56257.	13889.	1870.5	3677.1

Zoom In Zoom Out

Sample Name: icb Acquired: 6/9/2014 10:04:48 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**-.0001**	**-.0002**	**-.0001**	**-.0001**	**-.0001**	**-.0000**	**-.0001**
Stddev	.0001	.0000	.0002	.0001	.0002	.0001	.0000	.0000	.0000
%RSD	80.44	2373.	172.3	73.55	175.3	249.6	48.47	136.7	21.09
#1	-.0001	-.0000	.0000	-.0001	-.0003	-.0002	-.0001	-.0000	-.0001
#2	-.0000	.0000	-.0003	-.0003	.0000	.0000	-.0001	-.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0004**	**-.0006**	**-.0006**	**.0003**	**.0020**	**-.0011**	**-.0001**	**-.0080**
Stddev	.0003	.0000	.0006	.0006	.0009	.0011	.0004	.0056	.0037
%RSD	371.4	5.994	107.9	105.3	281.1	57.49	39.72	3994.	45.64
#1	-.0003	-.0004	-.0001	-.0001	.0010	.0028	-.0008	.0038	-.0106
#2	.0001	-.0004	-.0010	-.0010	-.0003	.0012	-.0014	-.0041	-.0054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**.0003**	**.0226**	**-.0050**	**.0002**	**.0001**	**-.0002**	**-.0030**	**.0004**
Stddev	.0002	.0096	.0145	.0029	.0006	.0001	.0007	.0010	.0000
%RSD	9.352	2821.	64.27	58.66	338.2	66.10	336.2	32.34	.7759
#1	.0027	-.0065	.0328	-.0029	.0006	.0001	-.0007	-.0023	.0004
#2	.0024	.0071	.0123	-.0071	-.0003	.0002	.0003	-.0037	.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: icb Acquired: 6/9/2014 10:04:48 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0005**	**.0001**	**.0020**	**-.0000**	**.0006**
Stddev	.0000	.0002	.0001	.0000	.0001	.0015	.0007
%RSD	726.2	17460.	17.76	11.67	6.390	3050.	116.4
#1	.0000	-.0002	.0004	.0001	.0020	.0010	.0001
#2	-.0000	.0002	.0005	.0001	.0019	-.0011	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59736.**	**14157.**	**1964.9**	**4161.8**
Stddev	95.	62.	.0	2.3
%RSD	.15880	.43825	.00161	.05486
#1	59669.	14113.	1964.8	4163.4
#2	59803.	14201.	1964.9	4160.2

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/9/2014 10:09:51 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**2.029**	**2.035**	**2.033**	**2.045**	**1.967**	**2.044**	**2.055**	**.2456**
Stddev	.001	.003	.004	.003	.006	.003	.005	.002	.0007
%RSD	.0287	.1445	.1714	.1525	.3102	.1320	.2506	.1070	.2953
#1	2.018	2.027	2.039	2.037	2.045	1.967	2.040	2.057	.2461
#2	2.017	2.027	2.033	2.033	2.048	1.968	2.049	2.056	.2464
#3	2.018	2.031	2.031	2.030	2.036	1.970	2.039	2.052	.2452
#4	2.017	2.033	2.036	2.032	2.051	1.964	2.047	2.054	.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	**1.998**	**2.077**	**2.021**	F **2.117**	**2.064**	**1.993**	**2.028**	**39.40**	**40.12**
Stddev	.004	.002	.002	.002	.002	.007	.004	.02	.10
%RSD	.2057	.0908	.1075	.0843	.0993	.3490	.1740	.0501	.2372
#1	1.993	2.079	2.022	2.118	2.063	2.002	2.032	39.40	40.02
#2	2.003	2.076	2.020	2.114	2.061	1.994	2.024	39.38	40.07
#3	1.997	2.075	2.018	2.118	2.066	1.992	2.026	39.41	40.24
#4	2.000	2.076	2.023	2.117	2.064	1.985	2.030	39.42	40.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				5.000%					

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/9/2014 10:09:51 Type: QC
Method: Accutest1(v228) 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	**40.25**	**39.34**	**38.99**	**39.67**	**2.075**	**2.082**	**2.000**	**5.055**	**2.086**
Stddev	.07	.11	.03	.02	.003	.004	.006	.007	.001
%RSD	.1742	.2719	.0895	.0389	.1261	.1923	.3128	.1327	.0670
#1	40.17	39.24	38.99	39.66	2.078	2.087	2.007	5.064	2.088
#2	40.23	39.30	38.95	39.69	2.075	2.082	2.001	5.051	2.086
#3	40.33	39.49	39.03	39.66	2.072	2.078	1.999	5.048	2.085
#4	40.28	39.34	39.00	39.69	2.076	2.082	1.992	5.055	2.085
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	**2.058**	**2.028**	**2.040**	**2.012**	**2.021**	**2.048**	**1.958**
Stddev	.001	.003	.006	.002	.009	.005	.002
%RSD	.0661	.1623	.3126	.1177	.4638	.2275	.1110
#1	2.060	2.029	2.043	2.009	2.035	2.052	1.960
#2	2.058	2.031	2.043	2.014	2.014	2.044	1.957
#3	2.057	2.023	2.030	2.013	2.016	2.043	1.955
#4	2.057	2.029	2.043	2.010	2.020	2.051	1.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/9/2014 10:09:51 Type: QC
Method: Accutest1(v228) 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	**56208.**	**13979.**	**1859.4**	**3673.2**
Stddev	41.	35.	2.1	4.5
%RSD	.07227	.24823	.11507	.12191
#1	56214.	14008.	1857.3	3668.4
#2	56182.	13996.	1858.7	3671.3
#3	56174.	13929.	1862.4	3679.0
#4	56264.	13982.	1859.2	3674.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 10:27:00 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0000**	**-.0001**	**-.0001**	**-.0001**	**.0004**	**-.0001**	**-.0001**	**.0003**
Stddev	.0001	.0000	.0002	.0000	.0004	.0003	.0001	.0001	.0001
%RSD	257.1	283.9	118.6	19.43	382.3	79.57	130.5	193.0	45.01
#1	.0000	.0000	-.0000	-.0001	.0002	.0002	-.0001	.0000	.0003
#2	-.0001	-.0000	-.0003	-.0002	-.0004	.0006	-.0000	-.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0004**	**.0012**	**.0001**	**.0005**	**.0009**	**.0001**	**.0022**	**-.0035**
Stddev	.0001	.0001	.0007	.0012	.0016	.0007	.0009	.0030	.0043
%RSD	1090.	25.28	59.51	1005.	291.2	76.90	621.7	137.2	123.9
#1	.0001	-.0004	.0017	.0010	.0016	.0004	.0007	.0001	-.0066
#2	-.0001	-.0003	.0007	-.0007	-.0006	.0014	-.0005	.0043	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**-.0068**	**.0248**	**-.0070**	**.0001**	**.0003**	**.0003**	**-.0036**	**-.0002**
Stddev	.0014	.0092	.0126	.0020	.0006	.0002	.0001	.0001	.0006
%RSD	52.07	136.1	50.62	29.11	540.9	66.50	24.25	1.734	269.4
#1	.0017	-.0003	.0337	-.0084	-.0003	.0004	.0003	-.0036	-.0006
#2	.0037	-.0133	.0159	-.0055	.0005	.0002	.0004	-.0037	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 10:27:00 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0007**	**-.0001**	**-.0003**	**-.0004**	**.0002**
Stddev	.0000	.0002	.0003	.0001	.0037	.0002	.0001
%RSD	51.32	540.8	41.58	180.3	1344.	40.22	34.67
#1	-.0000	.0001	.0009	.0000	.0024	-.0005	.0002
#2	-.0001	-.0002	.0005	-.0001	-.0029	-.0003	.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	**60120.**	**14331.**	**1955.9**	**4157.6**
Stddev	34.	8.	1.9	.6
%RSD	.05651	.05428	.09622	.01441
#1	60096.	14336.	1954.6	4157.2
#2	60144.	14325.	1957.2	4158.0

Zoom In Zoom Out

Sample Name: cri Acquired: 6/9/2014 10:32:30 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2068**	**.0021**	**.0034**	**.0518**	**.0111**	**.0109**	**.0162**	**.0106**	**.0056**
Stddev	.0004	.0000	.0000	.0006	.0003	.0003	.0001	.0002	.0003
%RSD	.1878	.5970	1.123	1.238	2.955	2.563	.5098	2.295	6.183
#1	.2065	.0021	.0034	.0522	.0114	.0111	.0162	.0107	.0054
#2	.2070	.0021	.0033	.0513	.0109	.0107	.0163	.0104	.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	**.0533**	**.0228**	**.0098**	**.0115**	**.0030**	**.0116**	**.0064**	**.2026**	**5.148**
Stddev	.0002	.0002	.0006	.0005	.0005	.0003	.0008	.0024	.017
%RSD	.3955	.9880	6.035	4.684	17.52	2.620	11.85	1.175	.3246
#1	.0534	.0230	.0094	.0111	.0027	.0113	.0069	.2009	5.160
#2	.0531	.0226	.0102	.0118	.0034	.0118	.0059	.2043	5.136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1106**	**4.995**	**4.860**	**4.883**	**.1087**	**.0223**	**.0568**	**.2126**	**.0108**
Stddev	.0024	.032	.011	.003	.0005	.0002	.0010	.0022	.0002
%RSD	2.127	.6367	.2165	.0698	.4583	1.032	1.847	1.049	1.806
#1	.1122	5.018	4.868	4.880	.1091	.0225	.0576	.2142	.0106
#2	.1089	4.973	4.853	4.885	.1084	.0222	.0561	.2111	.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: 6/9/2014 10:32:30 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0109**	**.0496**	**.0106**	**.0509**	**.0219**	**.0204**
Stddev	.0001	.0002	.0007	.0001	.0013	.0010	.0000
%RSD	.5059	2.001	1.382	1.135	2.463	4.442	.1205
#1	.0109	.0108	.0501	.0107	.0518	.0212	.0204
#2	.0110	.0111	.0491	.0106	.0501	.0226	.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	**58683.**	**14241.**	**1932.0**	**4041.7**
Stddev	22.	120.	9.3	21.8
%RSD	.03802	.84421	.48137	.53950
#1	58698.	14156.	1925.4	4026.3
#2	58667.	14326.	1938.6	4057.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/9/2014 10:38:38 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0011**	**.0010**	**.0032**	**.0018**	**.0025**	**.0033**	**.0041**
Stddev	.0000	.0000	.0001	.0003	.0006	.0002	.0000	.0001
%RSD	.9215	1.136	7.401	9.085	35.48	8.222	.2831	1.872
#1	.0041	.0011	.0011	.0034	.0014	.0023	.0033	.0040
#2	.0040	.0011	.0010	.0030	.0023	.0026	.0033	.0041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0025**	**.0117**	**.0029**	F **.0026**	**.0028**	F **.0067**	F **.0019**
Stddev	.0002	.0002	.0002	.0002	.0003	.0009	.0002	.0006
%RSD	22.54	6.752	2.109	5.876	12.41	32.25	3.324	33.04
#1	.0008	.0024	.0116	.0028	.0024	.0022	.0068	.0023
#2	.0006	.0026	.0119	.0030	.0029	.0035	.0065	.0015
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	.0010				.0020		.0050	.0030
Range	-30.00%				30.00%		30.00%	-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1071**	**1.055**	**.0032**	**.1120**	**1.962**	**1.005**	**.0107**	**.0002**
Stddev	.0007	.002	.0016	.0155	.014	.001	.0002	.0001
%RSD	.6795	.1866	48.33	13.82	.6903	.1053	1.954	46.08
#1	.1076	1.054	.0044	.1229	1.953	1.004	.0106	.0001
#2	.1066	1.056	.0021	.1011	1.972	1.006	.0108	.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: 6/9/2014 10:38:38 Type: QC
Method: Accutest1(v228) 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**	**.0048**	**-.0002**	**.0000**	**.0003**	F **.0007**	F **-.0002**	F **-.0005**
Stddev	.0008	.0132	.0006	.0000	.0003	.0005	.0002	.0020
%RSD	104.5	273.2	245.2	6612.	94.45	74.29	87.07	376.2
#1	-.0014	-.0045	-.0006	.0000	.0001	.0003	-.0003	.0009
#2	-.0002	.0142	.0002	-.0000	.0005	.0010	-.0001	-.0020
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 **.0009**
Stddev	.0003	.0002
%RSD	108.1	27.91
#1	-.0005	.0007
#2	-.0001	.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	**59573.**	**14206.**	**1950.4**	**4120.3**
Stddev	35.	30.	2.2	2.6
%RSD	.05933	.21279	.11422	.06391
#1	59548.	14228.	1948.8	4118.5
#2	59598.	14185.	1951.9	4122.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 10:44:48 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**-.0001**	**-.0001**	**.0002**	**.0006**	**-.0001**	**-.0001**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0002	.0000	.0000	.0000	.0005
%RSD	40.87	88.51	93.80	125.5	89.86	1.345	52.46	.5161	217.7
#1	-.0002	.0000	-.0002	-.0002	.0004	.0006	-.0001	-.0001	-.0001
#2	-.0001	.0001	-.0000	-.0000	.0001	.0006	-.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	**.0002**	**-.0005**	**.0207**	**.0006**	**.0220**	**.0231**	**.0195**	**.4936**	**-.0067**
Stddev	.0002	.0001	.0000	.0005	.0010	.0021	.0010	.0013	.0022
%RSD	81.96	13.59	.0854	81.13	4.711	8.939	4.997	.2717	33.02
#1	.0001	-.0005	.0207	.0009	.0227	.0246	.0202	.4926	-.0052
#2	.0004	-.0006	.0207	.0003	.0213	.0217	.0188	.4945	-.0083
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	**.5300**	**-.0078**	**-.0091**	**-.0060**	**-.0004**	**.0003**	**-.0013**	**-.0041**	**.0000**
Stddev	.0010	.0142	.0135	.0031	.0008	.0001	.0004	.0003	.0003
%RSD	.1965	182.8	148.4	52.10	219.2	32.57	35.15	7.778	2206.
#1	.5292	-.0178	.0005	-.0083	-.0009	.0004	-.0016	-.0039	-.0002
#2	.5307	.0023	-.0186	-.0038	.0002	.0002	-.0009	-.0044	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 10:44:48 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0001**	**-.0001**	**.0001**	**.0002**	**.0002**
Stddev	.0000	.0002	.0000	.0000	.0003	.0007	.0005
%RSD	10.55	325.2	53.52	48.08	185.3	299.4	316.2
#1	-.0000	-.0001	-.0001	-.0001	.0003	.0008	-.0002
#2	-.0000	.0002	-.0001	-.0001	-.0000	-.0003	.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	**60337.**	**14318.**	**1960.1**	**4156.0**
Stddev	115.	5.	20.2	38.1
%RSD	.19032	.03430	1.0294	.91767
#1	60419.	14315.	1945.9	4129.0
#2	60256.	14322.	1974.4	4183.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/9/2014 10:50:58 Type: QC
Method: Accutest1(v228) 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**	**.0011**	**.0034**	**.0018**	F **.0028**	**.0033**	**.0041**
Stddev	.0000	.0000	.0001	.0000	.0002	.0000	.0001	.0002
%RSD	.4686	4.589	8.616	1.142	9.592	1.355	3.392	3.850
#1	.0044	.0011	.0010	.0035	.0017	.0028	.0034	.0042
#2	.0043	.0010	.0011	.0034	.0020	.0029	.0032	.0040
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**	**.0024**	**.0122**	**.0024**	**.0023**	**.0030**	**.0058**	**.0024**
Stddev	.0001	.0002	.0002	.0000	.0003	.0013	.0010	.0005
%RSD	8.445	7.810	1.705	1.706	15.07	42.19	17.16	21.77
#1	.0017	.0025	.0121	.0024	.0020	.0021	.0051	.0027
#2	.0015	.0022	.0123	.0024	.0025	.0039	.0065	.0020
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0010							
Range	30.00%							

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1043**	**1.081**	**.0050**	**.1156**	**1.998**	**1.019**	**.0112**	**.0001**
Stddev	.0108	.003	.0007	.0117	.022	.006	.0002	.0000
%RSD	10.38	.2729	13.35	10.13	1.121	.5487	1.873	35.84
#1	.0966	1.083	.0045	.1073	1.982	1.015	.0113	.0001
#2	.1120	1.079	.0055	.1238	2.013	1.023	.0110	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/9/2014 10:50:58 Type: QC
Method: Accutest1(v228) 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**	**-.0038**	**.0004**	**-.0000**	**.0001**	F **.0004**	F **-.0001**	F **.0006**
Stddev	.0005	.0001	.0002	.0000	.0006	.0004	.0000	.0029
%RSD	85.13	3.535	36.17	180.5	380.1	115.4	55.81	469.4
#1	-.0002	-.0039	.0005	-.0000	-.0002	.0001	-.0000	.0027
#2	-.0010	-.0038	.0003	.0000	.0005	.0007	-.0001	-.0014
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 **-.0001**
Stddev	.0004	.0005
%RSD	153.8	413.8
#1	-.0000	.0003
#2	.0006	-.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	**58409.**	**13959.**	**1915.6**	**4049.9**
Stddev	138.	5.	11.2	15.4
%RSD	.23661	.03273	.58365	.37950
#1	58311.	13963.	1907.7	4039.0
#2	58507.	13956.	1923.5	4060.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/9/2014 10:57:07 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0000**	**.0007**	**.0009**	**.0016**	**.0039**	**.0145**	**-.0019**	**.0093**
Stddev	.0001	.0000	.0001	.0003	.0010	.0006	.0002	.0000	.0018
%RSD	7.485	46.77	7.564	31.46	62.77	15.83	1.285	.0753	19.22
#1	-.0014	.0000	.0007	.0011	.0024	.0043	.0144	-.0019	.0080
#2	-.0012	.0000	.0007	.0007	.0009	.0035	.0146	-.0019	.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0001**	**-.0008**	**-.0036**	**.0029**	**.0063**	**.0081**	**502.3**	**388.8**
Stddev	.0006	.0000	.0031	.0042	.0023	.0010	.0014	.4	.2
%RSD	63.13	82.68	403.4	116.9	80.40	15.94	16.83	.0709	.0431
#1	.0014	-.0000	.0014	-.0066	.0012	.0056	.0091	502.0	388.9
#2	.0005	-.0001	-.0029	-.0006	.0045	.0071	.0072	502.5	388.7
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	**191.2**	**527.0**	**.2572**	**.0307**	**-.0012**	**-.0009**	**.0014**	**-.0060**	**-.0024**
Stddev	.1	.0	.0081	.0019	.0006	.0000	.0013	.0005	.0002
%RSD	.0467	.0075	3.163	6.272	54.80	2.339	95.64	7.607	9.502
#1	191.1	527.0	.2515	.0294	-.0016	-.0010	.0023	-.0057	-.0026
#2	191.3	527.0	.2630	.0321	-.0007	-.0009	.0004	-.0064	-.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/9/2014 10:57:07 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0010**	**.0053**	**.0015**	**-.0322**	**-.0125**	**.0044**
Stddev	.0001	.0004	.0010	.0001	.0015	.0011	.0008
%RSD	1.867	36.06	18.18	7.574	4.533	8.982	17.39
#1	-.0049	.0012	.0047	.0015	-.0311	-.0117	.0049
#2	-.0048	.0007	.0060	.0014	-.0332	-.0133	.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	**50757.**	**13176.**	**1686.6**	**3175.8**
Stddev	55.	13.	17.1	27.0
%RSD	.10832	.09545	1.0124	.84939
#1	50718.	13185.	1674.5	3156.8
#2	50796.	13168.	1698.7	3194.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/9/2014 11:03:20 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5147**	**.5002**	**1.028**	**.4865**	**.4757**	**.5272**	**.4991**	**.9709**	**1.016**
Stddev	.0004	.0002	.008	.0034	.0024	.0001	.0007	.0076	.003
%RSD	.0743	.0406	.7964	.6902	.5028	.0148	.1441	.7778	.2477
#1	.5144	.5000	1.033	.4888	.4774	.5271	.4996	.9763	1.018
#2	.5150	.5003	1.022	.4841	.4740	.5272	.4986	.9656	1.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4681**	**.9600**	**1.073**	**.9767**	**.9651**	**1.054**	**1.055**	**507.6**	**387.8**
Stddev	.0007	.0071	.005	.0019	.0028	.009	.006	1.2	.2
%RSD	.1484	.7419	.4491	.1976	.2874	.8481	.5508	.2287	.0614
#1	.4686	.9650	1.076	.9781	.9632	1.060	1.059	506.8	387.6
#2	.4676	.9549	1.070	.9753	.9671	1.047	1.051	508.4	387.9
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	**193.6**	**524.7**	**.2317**	**.0283**	**.0021**	**.4987**	**.5487**	**-.0021**	**-.0022**
Stddev	.1	.6	.0077	.0024	.0009	.0028	.0014	.0015	.0003
%RSD	.0469	.1137	3.321	8.367	44.36	.5551	.2559	69.56	15.80
#1	193.5	524.3	.2262	.0300	.0028	.5007	.5497	-.0011	-.0019
#2	193.6	525.1	.2371	.0266	.0015	.4967	.5477	-.0032	-.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: 6/9/2014 11:03:20 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**.5378**	F **.0018**	**.4555**	**.5103**	**.5465**
Stddev	.0000	.0005	.0078	.0001	.0065	.0062	.0007
%RSD	.1092	59.96	1.456	7.761	1.424	1.207	.1366
#1	-.0049	.0012	.5433	.0017	.4601	.5146	.5470
#2	-.0049	.0005	.5322	.0019	.4509	.5059	.5460
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.5000			
Range				-20.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**50922.**	**13120.**	**1691.1**	**3185.6**
Stddev	12.	24.	10.3	20.5
%RSD	.02444	.18030	.60829	.64241
#1	50913.	13136.	1683.8	3171.2
#2	50930.	13103.	1698.3	3200.1

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/9/2014 11:09:23 Type: Unk
Method: Accutest1(v228) Mode: CONC 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**	**-.0008**	**.0023**	**.0106**	**.0142**	**.0001**	**.0089**
Stddev	.0001	.0001	.0000	.0002	.0005	.0001	.0001	.0000	.0006
%RSD	82.56	544.0	4.306	23.82	21.28	1.399	.3549	58.00	6.934
#1	.0000	.0001	-.0004	-.0009	.0026	.0107	.0141	.0000	.0093
#2	.0002	-.0000	-.0003	-.0006	.0020	.0104	.0142	.0001	.0084

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**-.0006**	**-.0000**	**-.0030**	**.0014**	**-.0015**	**.0038**	**-.0038**	**-.0309**
Stddev	.0000	.0001	.0014	.0001	.0003	.0004	.0003	.0064	.0021
%RSD	3.016	17.80	2810.	3.039	19.77	27.52	6.831	169.5	6.782
#1	.0014	-.0007	.0009	-.0029	.0016	-.0012	.0036	-.0083	-.0294
#2	.0014	-.0006	-.0010	-.0030	.0012	-.0018	.0039	.0007	-.0324

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**209.5**	**-.0067**	**.0869**	**-.0049**	**-.0031**	**.0008**	**.0054**	**-.0030**	**-.0019**
Stddev	.2	.0075	.0056	.0003	.0005	.0001	.0011	.0009	.0003
%RSD	.1066	112.8	6.446	6.398	16.54	8.971	19.68	30.92	18.18
#1	209.3	-.0014	.0909	-.0047	-.0028	.0008	.0047	-.0024	-.0022
#2	209.6	-.0120	.0830	-.0052	-.0035	.0007	.0062	-.0037	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**.0029**	**.0020**	**-.0069**	**.0020**	**-.0005**
Stddev	.0000	.0001	.0002	.0001	.0005	.0002	.0001
%RSD	140.6	59.99	5.778	2.779	6.802	7.450	15.22
#1	.0000	-.0002	.0027	.0021	-.0066	.0021	-.0005
#2	.0000	-.0001	.0030	.0020	-.0073	.0019	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57726.**	**14052.**	**1899.8**	**4042.8**
Stddev	184.	40.	13.5	27.4
%RSD	.31888	.28255	.71166	.67770
#1	57596.	14080.	1890.2	4023.5
#2	57856.	14024.	1909.3	4062.2

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/9/2014 11:15:34 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0000**	**-.0001**	**-.0005**	**10.61**	**.0001**	**.0002**	**.0001**	**.0011**
Stddev	.0001	.0000	.0001	.0000	.01	.0004	.0001	.0002	.0000
%RSD	26.59	46.14	129.5	5.064	.1310	318.2	27.11	277.3	1.001
#1	.0005	.0000	-.0000	-.0005	10.60	.0004	.0003	.0002	.0011
#2	.0004	.0001	-.0002	-.0005	10.62	-.0001	.0002	-.0001	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0044**	**-.0035**	**.0142**	**-.0006**	**.0015**	**.0042**	**-.0201**	**.0051**	**-.0050**
Stddev	.0002	.0000	.0013	.0006	.0004	.0004	.0003	.0095	.0013
%RSD	5.095	.1096	9.087	97.65	25.20	10.59	1.581	185.7	26.12
#1	.0046	-.0035	.0152	-.0002	.0018	.0045	-.0203	.0119	-.0059
#2	.0043	-.0035	.0133	-.0010	.0013	.0039	-.0199	-.0016	-.0041

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0164**	**-.0038**	**.0219**	**-.0080**	**-.0007**	**.0009**	**-.0017**	**.0018**	**-.0005**
Stddev	.0013	.0034	.0009	.0060	.0007	.0001	.0004	.0000	.0001
%RSD	8.135	90.39	4.048	74.10	114.4	12.61	24.82	1.994	26.27
#1	.0154	-.0062	.0225	-.0123	-.0012	.0008	-.0014	.0018	-.0004
#2	.0173	-.0014	.0213	-.0038	-.0001	.0010	-.0021	.0018	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**.0033**	**-.0020**	**.0030**	**-.0033**	**-.0000**
Stddev	.0000	.0001	.0009	.0000	.0018	.0011	.0005
%RSD	26.44	51.41	29.05	.5656	59.79	32.32	1039.
#1	.0000	.0001	.0026	-.0020	.0043	-.0026	-.0004
#2	.0000	.0003	.0039	-.0020	.0017	-.0041	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	59545.	14116.	1924.8	4146.7
Stddev	45.	104.	15.1	29.9
%RSD	.07477	.73744	.78422	.72075
#1	59577.	14042.	1914.1	4125.6
#2	59514.	14189.	1935.4	4167.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 11:21:45 Type: QC
Method: Accutest1(v228) 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	**2.037**	**2.042**	**2.051**	**2.049**	**2.074**	**1.980**	**2.062**	**2.071**	**.2463**
Stddev	.001	.003	.015	.012	.007	.003	.007	.009	.0006
%RSD	.0484	.1435	.7285	.5894	.3363	.1545	.3184	.4265	.2442
#1	2.037	2.044	2.062	2.058	2.069	1.978	2.057	2.077	.2467
#2	2.038	2.040	2.041	2.041	2.079	1.982	2.066	2.065	.2459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**2.096**	**2.028**	**2.136**	**2.079**	**2.008**	**2.039**	**39.77**	**40.58**
Stddev	.004	.013	.016	.017	.014	.017	.018	.03	.11
%RSD	.2243	.6333	.7921	.8010	.6574	.8615	.8707	.0795	.2802
#1	2.015	2.106	2.040	2.148	2.089	2.020	2.051	39.79	40.66
#2	2.021	2.087	2.017	2.124	2.069	1.995	2.026	39.75	40.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.56**	**39.70**	**39.42**	**40.20**	**2.088**	**2.100**	**2.009**	**5.091**	**2.094**
Stddev	.06	.24	.07	.05	.015	.016	.003	.038	.014
%RSD	.1464	.5978	.1835	.1227	.7147	.7590	.1499	.7381	.6765
#1	40.60	39.87	39.47	40.16	2.098	2.112	2.007	5.117	2.104
#2	40.52	39.53	39.37	40.23	2.077	2.089	2.011	5.064	2.084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 11:21:45 Type: QC
Method: Accutest1(v228) 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	**2.080**	**2.050**	**2.057**	**2.024**	**2.044**	**2.059**	**1.975**
Stddev	.003	.003	.014	.002	.018	.016	.002
%RSD	.1506	.1601	.6686	.1022	.9062	.7634	.1167
#1	2.077	2.048	2.066	2.023	2.057	2.070	1.973
#2	2.082	2.053	2.047	2.026	2.031	2.048	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	55807.	13735.	1848.5	3651.7
Stddev	11.	62.	12.6	18.5
%RSD	.01917	.44944	.67933	.50531
#1	55800.	13692.	1839.7	3638.6
#2	55815.	13779.	1857.4	3664.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 11:27:38 Type: QC
Method: Accutest1(v228) 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**	**-.0000**	**-.0000**	**-.0000**	**.0000**	**.0001**	**-.0001**	**-.0002**	**.0001**
Stddev	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0001
%RSD	41.70	16.98	131.5	125.8	34.40	61.64	95.79	129.8	173.9
#1	-.0001	-.0000	-.0001	-.0000	.0000	.0001	-.0000	-.0000	-.0000
#2	-.0000	-.0000	-.0000	-.0001	.0001	.0000	-.0001	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0004**	**-.0001**	**.0003**	**-.0001**	**.0020**	**-.0002**	**-.0019**	**-.0077**
Stddev	.0000	.0001	.0002	.0018	.0003	.0014	.0003	.0001	.0020
%RSD	3.617	29.14	180.9	591.6	548.2	71.22	192.7	2.926	26.37
#1	.0002	-.0005	-.0002	.0015	.0002	.0010	-.0004	-.0019	-.0063
#2	.0003	-.0003	.0000	-.0009	-.0003	.0030	.0001	-.0020	-.0091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0003**	**.0159**	**-.0031**	**-.0003**	**.0002**	**-.0013**	**-.0031**	**-.0003**
Stddev	.0001	.0023	.0135	.0008	.0007	.0001	.0003	.0005	.0000
%RSD	21.26	716.6	84.75	26.69	214.0	32.96	22.60	17.31	6.973
#1	.0006	-.0013	.0255	-.0025	.0002	.0001	-.0016	-.0028	-.0004
#2	.0008	.0019	.0064	-.0036	-.0008	.0002	-.0011	-.0035	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 11:27:38 Type: QC
Method: Accutest1(v228) 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**	**-.0001**	**.0010**	**-.0001**	**-.0000**	**-.0006**	**-.0001**
Stddev	.0000	.0000	.0004	.0001	.0022	.0012	.0003
%RSD	149.3	54.47	39.36	88.79	68480.	196.7	571.6
#1	.0000	-.0001	.0013	-.0000	.0016	.0002	-.0003
#2	-.0000	-.0001	.0007	-.0001	-.0016	-.0015	.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	**59527.**	**14028.**	**1956.8**	**4144.1**
Stddev	79.	16.	9.5	23.3
%RSD	.13340	.11433	.48726	.56230
#1	59471.	14017.	1950.0	4127.6
#2	59583.	14040.	1963.5	4160.6

Zoom In Zoom Out

Sample Name: mp79847-mb1conf Acquired: 6/9/2014 11:33:50 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: EPA Mn Custom ID2: Custom ID3:
Comment: Rerun from SB (847)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0001**	**-.0002**	**.0002**	**.0002**	**.0006**	**.0001**	**.0002**	**.0003**
Stddev	.0000	.0001	.0001	.0001	.0002	.0000	.0000	.0005	.0000
%RSD	6.280	62.70	58.91	61.84	119.3	5.318	13.82	213.5	8.394
#1	.0001	.0002	-.0003	.0001	.0004	.0006	.0001	.0005	.0003
#2	.0001	.0001	-.0001	.0003	.0000	.0006	.0001	-.0001	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0056**	**-.0003**	**.0004**	**.0004**	**.0017**	**-.0001**	**.0063**	**.0001**
Stddev	.0001	.0002	.0000	.0005	.0007	.0008	.0005	.0021	.0003
%RSD	19.50	3.259	4.472	128.5	199.1	49.02	955.9	32.63	260.1
#1	.0006	.0057	-.0003	.0000	.0009	.0011	-.0004	.0078	-.0001
#2	.0004	.0055	-.0003	.0007	-.0002	.0023	.0003	.0049	.0003

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0102**	**.0054**	**-.0121**	**-.0027**	**-.0010**	**-.0001**	**-.0004**	**.0114**	**-.0004**
Stddev	.0008	.0057	.0086	.0016	.0002	.0000	.0006	.0000	.0005
%RSD	8.098	105.2	71.04	60.56	21.46	4.640	154.2	.1530	121.5
#1	.0108	.0014	-.0060	-.0038	-.0009	-.0001	.0000	.0114	-.0001
#2	.0096	.0094	-.0182	-.0015	-.0012	-.0001	-.0008	.0113	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**.0003**	**-.0000**	**.0049**	**.0005**	**-.0011**
Stddev	.0000	.0001	.0010	.0000	.0004	.0007	.0010
%RSD	42.61	49.71	303.1	225.4	8.439	125.2	83.02
#1	.0001	.0004	.0011	-.0000	.0046	.0001	-.0005
#2	.0000	.0002	-.0004	.0000	.0052	.0010	-.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58274.**	**13857.**	**1900.5**	**4089.6**
Stddev	33.	26.	15.6	24.6
%RSD	.05611	.18596	.82056	.60226
#1	58250.	13876.	1911.6	4107.0
#2	58297.	13839.	1889.5	4072.2

Zoom In Zoom Out

Sample Name: jb68203-1 1 Acquired: 6/9/2014 11:47:38 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: EPA Mn Custom ID2: Custom ID3:
Comment: Rerun from SB (847)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0081**	**-.0000**	**.0002**	**.0130**	**-.0002**	**.0028**	**8.032**	**.0088**	**.0019**
Stddev	.0001	.0000	.0001	.0001	.0004	.0003	.030	.0003	.0003
%RSD	.6963	44.28	68.82	.7645	164.0	10.40	.3731	3.888	17.50
#1	.0081	-.0000	.0001	.0129	-.0005	.0030	8.011	.0090	.0017
#2	.0080	-.0000	.0003	.0131	.0000	.0026	8.053	.0085	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0103**	**.0008**	**.0038**	**.0054**	**.0018**	**-.0007**	**.2768**	**73.72**
Stddev	.0003	.0001	.0001	.0017	.0010	.0011	.0004	.0062	.03
%RSD	42.49	.7145	14.55	44.65	18.29	62.18	54.93	2.246	.0398
#1	.0005	.0102	.0009	.0026	.0047	.0010	-.0010	.2812	73.70
#2	.0008	.0103	.0008	.0050	.0061	.0026	-.0004	.2724	73.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.429**	**20.81**	**.9437**	**80.63**	**.0041**	**-.0000**	**.0020**	**1.572**	**-.0002**
Stddev	.001	.05	.0004	.02	.0002	.0002	.0003	.015	.0005
%RSD	.1002	.2374	.0414	.0303	5.861	649.5	17.32	.9419	279.2
#1	1.430	20.85	.9440	80.64	.0039	.0001	.0017	1.583	.0002
#2	1.428	20.78	.9434	80.61	.0043	-.0002	.0022	1.562	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1817**	**.0061**	**.0029**	**.0003**	**121.9**	**-.0003**	**.0042**
Stddev	.0003	.0003	.0003	.0001	.9	.0011	.0012
%RSD	.1454	4.505	10.89	23.86	.7237	401.4	28.82
#1	.1819	.0063	.0027	.0002	122.5	.0005	.0050
#2	.1815	.0059	.0031	.0003	121.3	-.0010	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54736.**	**13721.**	**1805.1**	**3641.6**
Stddev	29.	8.	13.8	20.2
%RSD	.05249	.05914	.76390	.55358
#1	54756.	13726.	1795.4	3627.4
#2	54716.	13715.	1814.9	3655.9

Zoom In Zoom Out

Sample Name: mp79848-mb1conf Acquired: 6/9/2014 11:53:43 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0003**	**.0001**	**.0003**	**.0007**	**.0001**	**.0005**	**.0003**
Stddev	.0002	.0001	.0001	.0000	.0000	.0004	.0000	.0002	.0001
%RSD	200.7	247.3	37.61	13.53	10.60	54.69	39.76	33.81	29.51
#1	.0002	.0001	-.0002	.0002	.0003	.0004	.0001	.0006	.0004
#2	-.0000	-.0000	-.0003	.0001	.0003	.0009	.0001	.0004	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0011**	**.0016**	**.0015**	**.0008**	**.0008**	**-.0012**	**.0071**	**.0036**
Stddev	.0002	.0000	.0001	.0002	.0004	.0007	.0005	.0034	.0028
%RSD	93.86	2.561	6.397	12.31	53.16	87.59	44.65	48.27	79.72
#1	.0001	.0011	.0015	.0017	.0005	.0003	-.0015	.0095	.0056
#2	.0004	.0012	.0016	.0014	.0010	.0012	-.0008	.0047	.0016

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0069**	**.0038**	**.0086**	**-.0042**	**-.0013**	**.0003**	**-.0009**	**.0372**	**.0080**
Stddev	.0004	.0097	.0080	.0053	.0006	.0000	.0011	.0001	.0006
%RSD	6.225	257.3	93.82	126.2	41.21	13.74	123.2	.2769	7.476
#1	.0066	.0107	.0142	-.0079	-.0017	.0003	-.0001	.0371	.0084
#2	.0072	-.0031	.0029	-.0005	-.0009	.0003	-.0016	.0373	.0075

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0005**	**.0002**	**.0059**	**.0007**	**-.0004**
Stddev	.0001	.0000	.0002	.0001	.0015	.0001	.0004
%RSD	484.7	4.954	45.69	58.36	24.54	14.81	84.08
#1	.0001	.0003	-.0003	.0002	.0049	.0006	-.0007
#2	-.0000	.0004	-.0006	.0001	.0070	.0007	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58451.**	**13959.**	**1908.3**	**4090.4**
Stddev	46.	43.	.0	2.4
%RSD	.07937	.30627	.00050	.05774
#1	58419.	13990.	1908.3	4092.0
#2	58484.	13929.	1908.3	4088.7

Zoom In Zoom Out

Sample Name: jb67981-4conf Acquired: 6/9/2014 11:59:52 Type: Unk
Method: Accutest1(v228) 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	**.7270**	**.0110**	**.0084**	**.1670**	**.3160**	**2.489**	**4.431**	**.2185**	**.0329**
Stddev	.0007	.0001	.0006	.0022	.0010	.001	.004	.0020	.0001
%RSD	.0903	.6914	7.097	1.299	.3132	.0475	.0967	.9264	.3739
#1	.7265	.0110	.0088	.1685	.3167	2.490	4.434	.2199	.0328
#2	.7275	.0111	.0080	.1655	.3153	2.489	4.428	.2170	.0329

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3081**	**2.928**	**.1731**	**-.0065**	**1.040**	**.0098**	**.2175**	**52.79**	**15.85**
Stddev	.0003	.023	.0001	.0046	.006	.0074	.0038	.07	.07
%RSD	.1042	.7809	.0416	71.13	.6185	75.79	1.767	.1366	.4274
#1	.3079	2.944	.1732	-.0098	1.045	.0046	.2202	52.74	15.89
#2	.3084	2.912	.1731	-.0032	1.036	.0151	.2148	52.85	15.80

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**429.9**	**16.79**	**7.601**	**1.596**	**.1227**	**.0230**	**.0134**	**6.186**	**.2981**
Stddev	.7	.06	.012	.018	.0012	.0001	.0006	.062	.0016
%RSD	.1743	.3682	.1602	1.112	.9712	.3107	4.616	.9958	.5330
#1	430.4	16.84	7.610	1.584	.1235	.0230	.0139	6.230	.2992
#2	429.3	16.75	7.593	1.609	.1218	.0231	.0130	6.143	.2969

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1316**	**2.296**	**.0192**	**.0492**	**4.454**	**.0007**	**.0662**
Stddev	.0000	.001	.0021	.0001	.042	.0004	.0004
%RSD	.0028	.0342	11.05	.1954	.9491	57.95	.5900
#1	.1316	2.295	.0177	.0492	4.484	.0004	.0665
#2	.1316	2.297	.0207	.0491	4.424	.0010	.0659

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58419.**	**14139.**	**1937.3**	**3938.8**
Stddev	67.	87.	17.8	29.1
%RSD	.11447	.61196	.91650	.73760
#1	58466.	14078.	1924.7	3918.3
#2	58372.	14200.	1949.9	3959.4

Zoom In Zoom Out

Sample Name: jb67981-10conf Acquired: 6/9/2014 12:05:51 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.832**	**.0003**	**.0057**	**.6140**	**.4220**	**5.582**	**1.665**	**.3235**	**.0732**
Stddev	.011	.0000	.0008	.0072	.0045	.004	.010	.0035	.0029
%RSD	.6170	11.93	14.43	1.179	1.055	.0651	.5991	1.090	3.978
#1	1.840	.0003	.0063	.6191	.4189	5.579	1.658	.3260	.0752
#2	1.824	.0003	.0051	.6089	.4251	5.584	1.672	.3210	.0711

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3386**	**20.91**	**.2311**	**-.0030**	**3.196**	**.0275**	**.5092**	**51.71**	**32.76**
Stddev	.0012	.27	.0045	.0004	.040	.0026	.0071	.31	.36
%RSD	.3446	1.285	1.966	12.96	1.250	9.492	1.401	.6027	1.108
#1	.3378	21.10	.2343	-.0033	3.224	.0293	.5143	51.93	33.02
#2	.3395	20.72	.2279	-.0028	3.167	.0256	.5042	51.49	32.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**428.7**	**15.74**	**6.482**	**3.908**	**.9006**	**.1786**	**.0218**	**11.56**	**3.635**
Stddev	4.3	.11	.045	.030	.0162	.0027	.0016	.15	.057
%RSD	.9945	.7230	.6997	.7785	1.795	1.519	7.395	1.281	1.569
#1	431.7	15.82	6.514	3.929	.9120	.1806	.0207	11.67	3.676
#2	425.6	15.66	6.450	3.886	.8891	.1767	.0229	11.46	3.595

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3478**	**3.644**	**.0711**	**.1381**	**7.386**	**.0044**	**.0393**
Stddev	.0026	.009	.0009	.0001	.090	.0018	.0007
%RSD	.7339	.2460	1.315	.0616	1.223	42.10	1.755
#1	.3496	3.638	.0705	.1380	7.449	.0057	.0388
#2	.3460	3.650	.0718	.1381	7.322	.0031	.0397

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57902.**	**14023.**	**1938.9**	**3961.0**
Stddev	153.	154.	23.5	42.1
%RSD	.26360	1.0967	1.2109	1.0618
#1	58010.	13914.	1922.3	3931.3
#2	57794.	14132.	1955.5	3990.8

Zoom In Zoom Out

Sample Name: jb67981-11 2 Acquired: 6/9/2014 12:11:49 Type: Unk
Method: Accutest1(v228) 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	**6.824**	**.0003**	**.0100**	**1.764**	**1.288**	**15.91**	**3.493**	**.8571**	**.2072**
Stddev	.002	.0001	.0003	.022	.004	.03	.008	.0107	.0051
%RSD	.0323	38.64	3.000	1.269	.3161	.2168	.2356	1.245	2.443
#1	6.822	.0003	.0102	1.779	1.291	15.93	3.499	.8646	.2036
#2	6.825	.0002	.0098	1.748	1.285	15.88	3.487	.8495	.2108

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3500**	**67.25**	**.5678**	**-.0155**	**10.64**	**.0442**	**1.133**	**123.8**	**101.5**
Stddev	.0001	1.02	.0048	.0025	.15	.0082	.016	.1	.1
%RSD	.0345	1.524	.8472	16.17	1.374	18.48	1.385	.0449	.1327
#1	.3501	67.97	.5712	-.0173	10.74	.0385	1.144	123.7	101.6
#2	.3499	66.52	.5644	-.0137	10.54	.0500	1.122	123.8	101.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**994.5**	**46.14**	**18.27**	**10.63**	**3.406**	**.6572**	**.0477**	**20.01**	**11.75**
Stddev	.8	.16	.08	.02	.055	.0095	.0006	.30	.18
%RSD	.0835	.3516	.4633	.1804	1.623	1.446	1.356	1.504	1.493
#1	995.1	46.25	18.21	10.62	3.445	.6640	.0472	20.22	11.88
#2	993.9	46.02	18.33	10.65	3.367	.6505	.0481	19.80	11.63

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7777**	**7.499**	**.2651**	**.2615**	**21.01**	**.0284**	**.0950**
Stddev	.0002	.006	.0098	.0008	.35	.0004	.0002
%RSD	.0232	.0796	3.677	.2978	1.646	1.264	.2194
#1	.7775	7.503	.2720	.2621	21.25	.0286	.0948
#2	.7778	7.495	.2582	.2610	20.76	.0281	.0951

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56978.**	**13793.**	**1894.3**	**3886.4**
Stddev	179.	1.	24.7	43.1
%RSD	.31393	.00537	1.3029	1.1102
#1	56852.	13793.	1876.9	3855.9
#2	57105.	13792.	1911.8	3916.9

Zoom In Zoom Out

Sample Name: jb67981-12 Acquired: 6/9/2014 12:17:46 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.401**	**.0031**	**.0083**	**1.442**	**.7463**	**11.17**	**5.647**	**.4338**	**.1423**
Stddev	.005	.0000	.0008	.010	.0046	.03	.010	.0011	.0033
%RSD	.2105	1.616	9.893	.6725	.6196	.2785	.1722	.2559	2.304
#1	2.404	.0031	.0077	1.435	.7430	11.19	5.640	.4330	.1400
#2	2.397	.0030	.0089	1.448	.7495	11.15	5.653	.4346	.1446

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3336**	**50.23**	**.6930**	**-.0074**	**11.85**	**.0145**	**1.367**	**128.1**	**52.11**
Stddev	.0014	.29	.0038	.0030	.05	.0033	.001	.1	.17
%RSD	.4150	.5803	.5532	40.57	.4556	23.04	.0399	.0786	.3344
#1	.3326	50.02	.6957	-.0053	11.82	.0169	1.366	128.2	52.23
#2	.3346	50.43	.6903	-.0095	11.89	.0122	1.367	128.1	51.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**780.5**	**48.38**	**16.73**	**10.38**	**1.057**	**.2902**	**.0269**	**7.768**	**11.56**
Stddev	2.7	.00	.07	.02	.006	.0004	.0052	.002	.03
%RSD	.3421	.0092	.3977	.2096	.5991	.1539	19.19	.0274	.2753
#1	782.4	48.38	16.78	10.39	1.052	.2898	.0233	7.769	11.54
#2	778.6	48.38	16.68	10.36	1.061	.2905	.0306	7.766	11.59

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5520**	**4.939**	**.1678**	**.1509**	**16.97**	**.0103**	**.2229**
Stddev	.0009	.004	.0017	.0004	.06	.0004	.0018
%RSD	.1649	.0869	1.034	.2734	.3387	4.035	.8181
#1	.5526	4.936	.1690	.1512	16.93	.0106	.2216
#2	.5513	4.942	.1666	.1506	17.01	.0100	.2242

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57497.**	**13797.**	**1906.1**	**3879.3**
Stddev	11.	53.	.8	9.3
%RSD	.01913	.38580	.04242	.23959
#1	57505.	13759.	1906.7	3885.9
#2	57489.	13834.	1905.6	3872.8

Zoom In Zoom Out

Sample Name: jb67981-13a Acquired: 6/9/2014 12:23:43 Type: Unk
Method: Accutest1(v228) 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	**6.917**	**.0010**	**.0189**	**3.698**	**2.144**	**24.01**	**6.017**	**.8337**	**.2299**
Stddev	.003	.0002	.0005	.023	.003	.01	.012	.0039	.0027
%RSD	.0474	17.51	2.815	.6099	.1510	.0502	.2025	.4660	1.188
#1	6.919	.0009	.0185	3.682	2.147	24.02	6.025	.8310	.2319
#2	6.915	.0011	.0193	3.714	2.142	24.01	6.008	.8365	.2280

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5097**	**73.00**	**.5704**	**-.0242**	**18.80**	**.0247**	**6.325**	**202.3**	**110.7**
Stddev	.0015	.49	.0089	.0011	.13	.0213	.067	.0	.2
%RSD	.2899	.6706	1.558	4.408	.6976	86.47	1.062	.0176	.1540
#1	.5107	72.66	.5641	-.0249	18.70	.0096	6.277	202.4	110.6
#2	.5086	73.35	.5766	-.0234	18.89	.0398	6.372	202.3	110.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1641.**	**86.92**	**29.70**	**30.45**	**3.498**	**.8036**	**.1249**	**72.29**	**13.17**
Stddev	1.	.61	.06	.01	.020	.0051	.0008	.75	.09
%RSD	.0719	.7026	.1981	.0203	.5572	.6321	.6334	1.035	.6914
#1	1640.	86.49	29.66	30.45	3.484	.8000	.1243	71.76	13.11
#2	1642.	87.36	29.74	30.44	3.512	.8072	.1254	72.82	13.24

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.254**	**10.02**	**.3136**	**.3435**	**27.13**	**.0106**	**.1960**
Stddev	.001	.03	.0066	.0011	.20	.0023	.0005
%RSD	.0566	.2698	2.108	.3169	.7450	22.01	.2664
#1	1.254	10.04	.3089	.3428	26.98	.0123	.1957
#2	1.253	10.00	.3183	.3443	27.27	.0090	.1964

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56384.**	**13580.**	**1868.3**	**3833.3**
Stddev	51.	31.	11.1	23.2
%RSD	.08972	.22869	.59268	.60532
#1	56348.	13602.	1876.2	3849.7
#2	56420.	13558.	1860.5	3816.8

Zoom In Zoom Out

Sample Name: jb67981-13a Acquired: 6/9/2014 12:29:40 Type: Unk
Method: Accutest1(v228) 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	**7.269**	**.0008**	**.0220**	**3.588**	**2.140**	**25.59**	**5.976**	**.7991**	**.1004**
Stddev	.059	.0000	.0002	.025	.003	.29	.026	.0056	.0284
%RSD	.8108	4.407	.9826	.7057	.1497	1.125	.4435	.7056	28.31
#1	7.311	.0008	.0218	3.606	2.138	25.39	5.958	.8031	.1205
#2	7.228	.0007	.0221	3.570	2.143	25.79	5.995	.7951	.0803

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5226**	**67.57**	**.5908**	**-.0424**	**17.96**	**-.0039**	**6.572**	**214.2**	**112.5**
Stddev	.0066	.46	.0073	.0021	.10	.0070	.053	2.1	1.4
%RSD	1.255	.6864	1.233	4.972	.5622	181.8	.8018	.9882	1.275
#1	.5180	67.89	.5959	-.0409	18.03	.0011	6.610	215.7	113.6
#2	.5273	67.24	.5856	-.0439	17.89	-.0088	6.535	212.7	111.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1501.**	**89.69**	**31.97**	**32.75**	**3.549**	**.8189**	**.1112**	**74.21**	**12.84**
Stddev	22.	1.08	.30	.36	.023	.0062	.0070	.46	.07
%RSD	1.438	1.207	.9304	1.105	.6357	.7566	6.314	.6139	.5223
#1	1516.	90.46	32.18	33.00	3.565	.8233	.1162	74.53	12.89
#2	1486.	88.93	31.76	32.49	3.533	.8145	.1062	73.89	12.79

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.313**	**10.22**	**.3954**	**.3379**	**27.71**	**.0207**	**.2146**
Stddev	.010	.08	.0036	.0007	.18	.0012	.0038
%RSD	.7449	.7950	.9174	.2153	.6624	5.918	1.790
#1	1.320	10.17	.3980	.3374	27.84	.0198	.2173
#2	1.307	10.28	.3928	.3385	27.58	.0215	.2118

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54940.**	**13431.**	**1793.1**	**3785.8**
Stddev	347.	155.	12.2	22.7
%RSD	.63159	1.1556	.67814	.60083
#1	55185.	13321.	1784.5	3769.7
#2	54695.	13541.	1801.7	3801.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 12:35:43 Type: QC
Method: Accutest1(v228) 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**	**2.068**	**2.100**	**2.108**	**2.130**	**2.011**	**2.129**	**2.140**	**.2518**
Stddev	.001	.005	.008	.009	.003	.000	.001	.006	.0014
%RSD	.0230	.2551	.3844	.4395	.1282	.0093	.0574	.3007	.5427
#1	2.083	2.065	2.095	2.101	2.132	2.011	2.130	2.136	.2528
#2	2.083	2.072	2.106	2.114	2.129	2.011	2.128	2.145	.2508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.063**	**2.163**	**2.084**	**2.183**	**2.151**	**2.053**	**2.082**	**40.58**	**41.22**
Stddev	.000	.009	.005	.014	.005	.007	.009	.08	.12
%RSD	.0165	.4043	.2610	.6541	.2513	.3273	.4549	.1878	.2819
#1	2.063	2.157	2.080	2.172	2.147	2.049	2.075	40.53	41.14
#2	2.064	2.169	2.088	2.193	2.155	2.058	2.089	40.64	41.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.95**	**40.47**	**40.58**	**40.99**	**2.129**	**2.137**	**2.041**	**5.201**	**2.161**
Stddev	.10	.22	.02	.01	.009	.007	.002	.020	.008
%RSD	.2442	.5557	.0605	.0339	.4132	.3425	.0919	.3876	.3624
#1	40.88	40.31	40.56	40.98	2.123	2.132	2.042	5.187	2.156
#2	41.02	40.63	40.60	41.00	2.135	2.143	2.039	5.215	2.167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 12:35:43 Type: QC
Method: Accutest1(v228) 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	**2.121**	**2.096**	**2.098**	**2.074**	**2.082**	**2.088**	**2.016**
Stddev	.000	.001	.007	.001	.001	.007	.001
%RSD	.0058	.0263	.3472	.0444	.0341	.3170	.0368
#1	2.121	2.096	2.092	2.073	2.083	2.083	2.017
#2	2.121	2.095	2.103	2.074	2.082	2.092	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54985.**	**13359.**	**1836.4**	**3608.6**
Stddev	64.	52.	5.4	13.8
%RSD	.11709	.38744	.29335	.38178
#1	54940.	13396.	1840.3	3618.3
#2	55031.	13322.	1832.6	3598.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 12:41:39 Type: QC
Method: Accutest1(v228) 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**	**.0000**	**-.0001**	**.0001**	**.0001**	**.0002**	**.0000**	**-.0002**	**.0002**
Stddev	.0001	.0001	.0001	.0002	.0005	.0000	.0001	.0001	.0001
%RSD	53.72	167.8	72.96	166.2	678.8	6.541	219.0	89.82	62.50
#1	.0001	-.0000	-.0000	-.0000	-.0003	.0002	.0001	-.0001	.0003
#2	.0001	.0001	-.0001	.0003	.0004	.0002	-.0000	-.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**	**-.0002**	**-.0006**	**-.0000**	**.0003**	**.0025**	**-.0004**	**.0040**	**-.0037**
Stddev	.0001	.0000	.0000	.0001	.0001	.0004	.0003	.0000	.0005
%RSD	17.78	10.33	4.150	610.2	43.50	18.03	78.54	.1145	12.58
#1	.0003	-.0002	-.0006	-.0001	.0002	.0022	-.0007	.0040	-.0040
#2	.0004	-.0002	-.0005	.0001	.0004	.0028	-.0002	.0040	-.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	**.0029**	**.0069**	**.0206**	**-.0133**	**-.0005**	**.0003**	**-.0008**	**.0004**	**.0005**
Stddev	.0001	.0038	.0036	.0038	.0000	.0001	.0011	.0011	.0001
%RSD	3.715	55.25	17.35	28.77	7.733	25.72	135.4	261.5	17.52
#1	.0028	.0042	.0231	-.0160	-.0005	.0004	-.0000	-.0004	.0005
#2	.0030	.0097	.0181	-.0106	-.0005	.0003	-.0015	.0012	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 12:41:39 Type: QC
Method: Accutest1(v228) 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**	**.0006**	**-.0001**	**-.0027**	**.0000**	**.0002**
Stddev	.0001	.0006	.0003	.0001	.0019	.0004	.0001
%RSD	428.1	1817.	56.68	173.0	70.43	841.2	53.43
#1	.0001	-.0004	.0004	.0000	-.0041	-.0002	.0001
#2	-.0000	.0005	.0008	-.0002	-.0014	.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	**59955.**	**13923.**	**1998.1**	**4203.0**
Stddev	41.	101.	6.6	18.3
%RSD	.06805	.72534	.33003	.43567
#1	59926.	13851.	1993.5	4190.1
#2	59984.	13994.	2002.8	4216.0

Zoom In Zoom Out

Sample Name: jb68032-4fundconf Acquired: 6/9/2014 12:47:50 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: NEED 6/9???? Custom ID2: Custom ID3:
Comment: UNdigested MP79831

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0601**	**.0023**	**.0013**	**.0176**	**.0001**	**.0016**	**.2032**	**.0161**	**.0008**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.0003	.0001	.0001
%RSD	.1142	.5381	7.892	.0209	54.67	6.928	.1619	.7363	12.50
#1	.0601	.0023	.0014	.0175	.0002	.0017	.2030	.0160	.0007
#2	.0602	.0023	.0012	.0176	.0001	.0015	.2034	.0162	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0492**	**.0030**	**.0027**	**.0021**	**.0087**	**-.0019**	**2.505**	**17.81**
Stddev	.0001	.0000	.0006	.0003	.0011	.0004	.0007	.012	.03
%RSD	931.5	.0401	19.81	11.55	53.26	4.070	36.81	.4914	.1759
#1	.0001	.0492	.0034	.0025	.0013	.0089	-.0024	2.496	17.79
#2	-.0001	.0492	.0026	.0029	.0029	.0084	-.0014	2.514	17.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1360**	**7.944**	**4.311**	**249.2**	**.0477**	**.0001**	**.0017**	**3.088**	**-.0008**
Stddev	.0014	.071	.028	1.9	.0001	.0001	.0009	.011	.0008
%RSD	1.050	.8947	.6413	.7647	.2653	87.29	55.95	.3590	96.94
#1	.1370	7.893	4.291	250.5	.0478	.0002	.0023	3.095	-.0003
#2	.1350	7.994	4.330	247.8	.0476	.0000	.0010	3.080	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1155**	**.0001**	**.0028**	**-.0002**	**20.14**	**.0010**	**.0045**
Stddev	.0002	.0002	.0001	.0001	.07	.0006	.0002
%RSD	.1888	263.7	3.523	29.03	.3593	59.66	4.082
#1	.1154	.0003	.0027	-.0002	20.19	.0006	.0046
#2	.1157	-.0001	.0028	-.0001	20.09	.0014	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53080.**	**13327.**	**1806.7**	**3474.6**
Stddev	59.	17.	1.8	.5
%RSD	.11119	.12381	.09768	.01525
#1	53122.	13316.	1805.5	3474.2
#2	53038.	13339.	1808.0	3475.0

Zoom In Zoom Out

Sample Name: jb68160-3a Acquired: 6/9/2014 12:54:00 Type: Unk
Method: Accutest1(v228) 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	**9.117**	**.0002**	**.0100**	**1.279**	**.6401**	**11.05**	**3.904**	**.4452**	**.1186**
Stddev	.027	.0000	.0002	.004	.0052	.09	.030	.0021	.0023
%RSD	.2955	18.44	2.398	.2982	.8197	.8362	.7598	.4823	1.969
#1	9.136	.0002	.0098	1.281	.6438	11.11	3.925	.4467	.1170
#2	9.098	.0002	.0102	1.276	.6364	10.98	3.883	.4437	.1203

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3293**	**30.90**	**.2174**	**-.0070**	**9.280**	**.0410**	**1.639**	**91.30**	**40.63**
Stddev	.0029	.11	.0053	.0018	.031	.0010	.012	.21	.00
%RSD	.8884	.3560	2.429	26.02	.3311	2.351	.7460	.2345	.0005
#1	.3313	30.97	.2211	-.0057	9.301	.0417	1.648	91.45	40.63
#2	.3272	30.82	.2137	-.0083	9.258	.0403	1.631	91.15	40.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**738.5**	**31.79**	**15.51**	**11.13**	**.7173**	**.2296**	**.0436**	**24.51**	**4.999**
Stddev	.1	.01	.01	.05	.0047	.0024	.0027	.12	.025
%RSD	.0142	.0448	.0919	.4424	.6538	1.050	6.292	.4828	.4981
#1	738.4	31.78	15.52	11.17	.7206	.2313	.0417	24.60	5.017
#2	738.5	31.80	15.50	11.10	.7139	.2279	.0455	24.43	4.982

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5405**	**5.548**	**.1386**	**.1740**	**15.67**	**.0087**	**.1094**
Stddev	.0020	.032	.0011	.0012	.14	.0011	.0003
%RSD	.3695	.5729	.7981	.7110	.8680	12.43	.2383
#1	.5419	5.571	.1394	.1749	15.77	.0079	.1096
#2	.5391	5.526	.1378	.1731	15.58	.0094	.1092

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56557.**	**13564.**	**1898.5**	**3887.3**
Stddev	352.	6.	16.7	28.7
%RSD	.62276	.04094	.88188	.73776
#1	56308.	13560.	1886.7	3867.0
#2	56806.	13568.	1910.3	3907.6

Zoom In Zoom Out

Sample Name: jb68032-9f 2 Acquired: 6/9/2014 12:59:58 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**.0000**	**.0002**	**-.0001**	**.0004**	**.0048**	**.1426**	**.0115**	**.0003**
Stddev	.0001	.0000	.0001	.0002	.0004	.0004	.0001	.0001	.0002
%RSD	10.57	732.5	28.32	410.8	94.71	8.850	.0457	.9745	65.66
#1	.0010	-.0000	.0001	-.0002	.0001	.0045	.1425	.0116	.0005
#2	.0012	.0000	.0002	.0001	.0006	.0050	.1426	.0115	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0254**	**.0058**	**-.0020**	**.0039**	**.0073**	**-.0004**	**.1667**	**.8629**
Stddev	.0005	.0001	.0030	.0015	.0004	.0001	.0007	.0028	.0004
%RSD	1081.	.4635	51.15	75.95	11.05	1.930	187.4	1.687	.0441
#1	.0003	.0254	.0079	-.0009	.0042	.0072	-.0009	.1647	.8626
#2	-.0004	.0253	.0037	-.0031	.0036	.0074	.0001	.1686	.8631

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.206**	**.5838**	**.2560**	**205.4**	**.0779**	**.0016**	**.0226**	**22.63**	**-.0011**
Stddev	.006	.0073	.0073	2.3	.0005	.0001	.0019	.21	.0006
%RSD	.5333	1.251	2.841	1.142	.6977	4.120	8.224	.9476	56.60
#1	1.201	.5786	.2509	207.0	.0783	.0015	.0239	22.78	-.0006
#2	1.210	.5890	.2611	203.7	.0775	.0016	.0213	22.47	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0054**	**-.0004**	**.0208**	**.0002**	**21.01**	**-.0023**	**.0096**
Stddev	.0000	.0006	.0008	.0000	.19	.0006	.0004
%RSD	.0906	142.5	4.049	4.466	.9007	26.69	4.537
#1	.0054	-.0009	.0214	.0001	21.15	-.0019	.0099
#2	.0054	.0000	.0202	.0002	20.88	-.0027	.0093

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54385.**	**13567.**	**1850.2**	**3630.1**
Stddev	73.	24.	16.6	29.1
%RSD	.13469	.17906	.89605	.80247
#1	54333.	13550.	1838.5	3609.5
#2	54437.	13585.	1862.0	3650.7

Zoom In Zoom Out

Sample Name: jb68032-10f Acquired: 6/9/2014 13:06:11 Type: Unk
Method: Accutest1(v228) Mode: CONC 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**	**-.0000**	**.0002**	**.0038**	**.0000**	**.0004**	**.5900**	**.0068**	**.0008**
Stddev	.0000	.0000	.0000	.0001	.0005	.0003	.0022	.0000	.0000
%RSD	.7011	1434.	12.66	3.724	981.0	68.92	.3795	.4923	5.964
#1	.0061	-.0000	.0002	.0037	.0004	.0006	.5915	.0067	.0008
#2	.0061	.0000	.0002	.0039	-.0003	.0002	.5884	.0068	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0200**	**.0116**	**-.0019**	**.0034**	**.0108**	**-.0009**	**.0814**	**2.902**
Stddev	.0002	.0001	.0013	.0020	.0009	.0031	.0009	.0018	.009
%RSD	209.8	.3616	10.92	105.7	25.26	28.49	104.1	2.270	.2927
#1	-.0003	.0200	.0125	-.0034	.0028	.0130	-.0015	.0801	2.908
#2	.0001	.0199	.0107	-.0005	.0040	.0086	-.0002	.0827	2.896

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.046**	**2.278**	**1.631**	**243.6**	**.0429**	**.0007**	**.0252**	**23.54**	**-.0019**
Stddev	.000	.020	.000	1.4	.0001	.0001	.0002	.34	.0006
%RSD	.0037	.8692	.0042	.5884	.2879	10.58	.9808	1.445	31.17
#1	9.046	2.264	1.631	242.6	.0430	.0007	.0253	23.78	-.0023
#2	9.046	2.292	1.631	244.6	.0428	.0008	.0250	23.30	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0167**	**-.0004**	**.0218**	**.0005**	**54.78**	**-.0010**	**.0117**
Stddev	.0000	.0004	.0008	.0001	.80	.0003	.0004
%RSD	.1167	80.77	3.810	21.43	1.459	29.74	3.055
#1	.0167	-.0007	.0224	.0005	55.34	-.0012	.0119
#2	.0167	-.0002	.0212	.0004	54.21	-.0008	.0114

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53189.**	**13471.**	**1825.6**	**3573.8**
Stddev	74.	28.	25.9	41.9
%RSD	.13831	.21092	1.4194	1.1733
#1	53137.	13450.	1807.3	3544.1
#2	53241.	13491.	1843.9	3603.4

Zoom In Zoom Out

Sample Name: jb68032-11f Acquired: 6/9/2014 13:12:23 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0507**	**-.0000**	**.0004**	**-.0005**	**-.0002**	**.0004**	**.4075**	**.0023**	**.0005**
Stddev	.0003	.0000	.0000	.0000	.0000	.0001	.0019	.0002	.0007
%RSD	.5316	114.2	.1484	7.771	19.93	15.39	.4740	10.90	155.2
#1	.0506	-.0000	.0004	-.0006	-.0002	.0004	.4089	.0025	-.0000
#2	.0509	-.0000	.0004	-.0005	-.0003	.0005	.4061	.0021	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0033**	**.0101**	**-.0025**	**.0040**	**.0108**	**-.0008**	**.1127**	**35.76**
Stddev	.0001	.0001	.0009	.0022	.0017	.0000	.0008	.0004	.01
%RSD	32.85	2.757	8.566	88.16	41.75	.4192	96.73	.3108	.0268
#1	-.0003	.0034	.0107	-.0009	.0028	.0107	-.0013	.1125	35.77
#2	-.0005	.0032	.0095	-.0040	.0052	.0108	-.0002	.1130	35.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.329**	**13.96**	**3.444**	**1172.**	**.0426**	**.0033**	**.0336**	**34.04**	**-.0042**
Stddev	.010	.07	.065	10.	.0000	.0001	.0010	.17	.0010
%RSD	.3087	.4660	1.875	.8342	.1019	2.500	3.029	.5125	22.67
#1	3.322	13.91	3.398	1178.	.0426	.0033	.0328	34.16	-.0049
#2	3.337	14.01	3.489	1165.	.0426	.0032	.0343	33.91	-.0035

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2574**	**-.0015**	**.0314**	**-.0017**	**32.92**	**-.0006**	**.0558**
Stddev	.0000	.0001	.0003	.0001	.18	.0001	.0004
%RSD	.0110	7.053	1.010	6.934	.5525	15.45	.6490
#1	.2574	-.0014	.0312	-.0016	33.05	-.0006	.0555
#2	.2574	-.0015	.0316	-.0018	32.79	-.0005	.0560

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**47114.**	**13055.**	**1646.9**	**3032.5**
Stddev	54.	12.	8.0	11.2
%RSD	.11396	.09061	.48654	.36815
#1	47076.	13047.	1641.3	3024.6
#2	47152.	13064.	1652.6	3040.4

Zoom In Zoom Out

Sample Name: mp79902-mb1conf Acquired: 6/9/2014 13:18:33 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun (902)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**-.0000**	**-.0001**	**.0001**	**.0006**	**.0007**	**.0006**	**.0010**	**.0004**
Stddev	.0001	.0000	.0000	.0001	.0002	.0004	.0000	.0002	.0001
%RSD	12.59	131.3	36.70	52.52	24.94	59.24	2.458	21.27	13.81
#1	.0011	-.0000	-.0001	.0001	.0007	.0010	.0006	.0008	.0005
#2	.0009	-.0000	-.0000	.0002	.0005	.0004	.0006	.0011	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0063**	**-.0011**	**-.0009**	**.0001**	**.0013**	**-.0003**	**.0193**	**.1634**
Stddev	.0004	.0000	.0005	.0006	.0015	.0001	.0014	.0066	.0019
%RSD	87.68	.6231	41.47	67.34	1573.	11.50	526.0	34.21	1.181
#1	.0002	.0063	-.0014	-.0005	.0012	.0014	.0007	.0240	.1648
#2	.0007	.0062	-.0008	-.0013	-.0010	.0012	-.0012	.0147	.1620

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0480**	**.0560**	**.1707**	**.4188**	**-.0005**	**.0003**	**-.0015**	**.0381**	**.0253**
Stddev	.0004	.0163	.0077	.0081	.0003	.0001	.0012	.0000	.0004
%RSD	.8518	29.15	4.536	1.937	61.15	29.55	78.12	.0100	1.433
#1	.0477	.0445	.1762	.4245	-.0007	.0003	-.0024	.0381	.0255
#2	.0483	.0676	.1653	.4130	-.0003	.0002	-.0007	.0381	.0250

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0006**	**.0003**	**.0002**	**.0001**	**.0093**	**-.0003**	**.0035**
Stddev	.0000	.0003	.0006	.0002	.0008	.0002	.0001
%RSD	1.819	89.88	297.6	183.2	9.090	75.35	3.180
#1	.0006	.0006	-.0002	.0003	.0087	-.0001	.0035
#2	.0006	.0001	.0007	-.0000	.0099	-.0004	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60616.**	**13644.**	**1982.6**	**4153.4**
Stddev	595.	8.	9.3	15.4
%RSD	.98088	.06122	.47032	.37191
#1	60195.	13650.	1976.0	4142.5
#2	61036.	13638.	1989.2	4164.4

Zoom In Zoom Out

Sample Name: jb68318-8 2 Acquired: 6/9/2014 13:24:40 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun (902)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1023**	**.0005**	**.0005**	**.0137**	**.0575**	**.0363**	**.3861**	**.0713**	**.0027**
Stddev	.0005	.0000	.0001	.0004	.0001	.0004	.0002	.0000	.0004
%RSD	.4469	8.116	21.44	2.801	.2553	1.019	.0526	.0581	13.94
#1	.1026	.0005	.0006	.0135	.0574	.0366	.3862	.0713	.0024
#2	.1020	.0004	.0005	.0140	.0576	.0360	.3859	.0712	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1017**	**.0849**	**.0184**	**-.0006**	**.3548**	**.0055**	**.0009**	**25.52**	**10.88**
Stddev	.0010	.0004	.0002	.0005	.0001	.0013	.0008	.03	.04
%RSD	.9378	.4626	1.209	69.50	.0275	23.98	89.73	.1255	.3971
#1	.1024	.0852	.0186	-.0010	.3548	.0046	.0014	25.55	10.85
#2	.1011	.0846	.0183	-.0003	.3549	.0065	.0003	25.50	10.91

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**34.89**	**8.336**	**6.046**	**8.113**	**.0876**	**.0439**	**.0031**	**2.369**	**.0250**
Stddev	.03	.041	.003	.009	.0013	.0001	.0014	.016	.0001
%RSD	.0819	.4969	.0551	.1076	1.444	.1809	44.85	.6825	.2856
#1	34.87	8.307	6.048	8.106	.0885	.0439	.0040	2.381	.0251
#2	34.91	8.366	6.044	8.119	.0867	.0440	.0021	2.358	.0250

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1183**	**.7339**	**.0037**	**.0147**	**55.05**	**-.0004**	**.0507**
Stddev	.0003	.0007	.0004	.0002	.27	.0003	.0000
%RSD	.2573	.0980	11.76	1.079	.4843	63.41	.0093
#1	.1185	.7345	.0033	.0148	55.23	-.0002	.0507
#2	.1181	.7334	.0040	.0146	54.86	-.0006	.0507

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58894.**	**13822.**	**1938.1**	**3894.7**
Stddev	33.	37.	5.3	6.8
%RSD	.05549	.26704	.27502	.17566
#1	58918.	13848.	1934.3	3889.9
#2	58871.	13796.	1941.9	3899.6

Zoom In Zoom Out

Sample Name: jb68594-28a Acquired: 6/9/2014 13:30:41 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun (902)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1512**	**.0011**	**.0003**	**.0294**	**.0600**	**.0719**	**.9970**	**.0850**	**.0057**
Stddev	.0006	.0000	.0001	.0002	.0003	.0002	.0072	.0012	.0000
%RSD	.3719	4.260	28.63	.8465	.4295	.2452	.7214	1.448	.8126
#1	.1516	.0011	.0004	.0296	.0598	.0720	.9919	.0858	.0057
#2	.1508	.0011	.0003	.0292	.0602	.0717	1.002	.0841	.0058

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1216**	**.2399**	**.0161**	**-.0022**	**.0368**	**.0007**	**.0016**	**44.37**	**14.94**
Stddev	.0005	.0030	.0006	.0005	.0001	.0011	.0002	.04	.07
%RSD	.4282	1.270	3.812	21.19	.2150	149.6	14.47	.0995	.4935
#1	.1212	.2421	.0166	-.0018	.0368	-.0000	.0015	44.34	14.88
#2	.1219	.2378	.0157	-.0025	.0369	.0015	.0018	44.40	14.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.62**	**16.67**	**6.189**	**1.258**	**.0216**	**.0066**	**-.0016**	**1.552**	**.0175**
Stddev	.26	.16	.003	.005	.0007	.0000	.0005	.026	.0004
%RSD	.2836	.9860	.0498	.3938	3.164	.5423	30.87	1.665	2.330
#1	90.44	16.55	6.191	1.261	.0221	.0067	-.0020	1.570	.0178
#2	90.80	16.78	6.187	1.254	.0211	.0066	-.0013	1.534	.0172

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0515**	**1.570**	**.0033**	**.0347**	**.6063**	**-.0006**	**.0553**
Stddev	.0001	.002	.0010	.0002	.0100	.0001	.0002
%RSD	.2568	.1191	30.64	.6077	1.655	16.11	.3910
#1	.0516	1.571	.0040	.0346	.6134	-.0007	.0552
#2	.0514	1.569	.0026	.0348	.5992	-.0005	.0555

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59299.**	**14153.**	**1982.0**	**3930.7**
Stddev	135.	107.	27.2	44.7
%RSD	.22731	.75709	1.3735	1.1382
#1	59394.	14228.	1962.8	3899.1
#2	59204.	14077.	2001.3	3962.3

Zoom In Zoom Out

Sample Name: mp79889-mb1conf Acquired: 6/9/2014 13:36:42 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun (889)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0001**	**-.0000**	**.0001**	**.0006**	**.0000**	**-.0002**	**.0000**
Stddev	.0001	.0000	.0001	.0002	.0002	.0002	.0000	.0004	.0003
%RSD	51.97	6.976	133.9	746.5	259.7	30.83	224.7	224.3	1059.
#1	.0001	.0000	.0002	-.0002	-.0001	.0005	-.0000	-.0005	.0002
#2	.0001	.0000	.0000	.0001	.0002	.0007	.0000	.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0003**	**-.0010**	**-.0008**	**.0007**	**.0011**	**-.0005**	**.0055**	**-.0026**
Stddev	.0001	.0001	.0024	.0009	.0002	.0010	.0002	.0010	.0005
%RSD	37.19	35.54	245.6	114.7	23.04	89.73	48.04	18.36	19.30
#1	.0002	.0004	-.0027	-.0014	.0008	.0004	-.0003	.0048	-.0029
#2	.0003	.0002	.0007	-.0002	.0006	.0018	-.0006	.0062	-.0022

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0059**	**.0001**	**.0381**	**.0597**	**-.0005**	**.0001**	**-.0007**	**.0057**	**.0003**
Stddev	.0001	.0030	.0107	.0019	.0003	.0000	.0000	.0014	.0008
%RSD	1.858	5133.	27.99	3.233	59.89	28.40	1.873	25.23	260.5
#1	.0058	-.0021	.0306	.0610	-.0008	.0002	-.0007	.0047	-.0003
#2	.0060	.0022	.0457	.0583	-.0003	.0001	-.0008	.0068	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0002**	**-.0000**	**.0002**	**.0027**	**-.0011**	**.0006**
Stddev	.0000	.0001	.0000	.0000	.0006	.0014	.0001
%RSD	26.18	74.85	5.318	1.329	22.64	137.6	9.515
#1	.0001	-.0001	-.0000	.0002	.0031	-.0021	.0007
#2	.0001	-.0003	-.0000	.0002	.0022	-.0000	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59813.**	**13824.**	**1983.9**	**4179.6**
Stddev	188.	20.	18.5	30.9
%RSD	.31395	.14403	.93377	.74010
#1	59680.	13810.	1970.8	4157.7
#2	59946.	13838.	1997.0	4201.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 13:42:52 Type: QC
Method: Accutest1(v228) 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	**2.053**	**2.034**	**2.065**	**2.084**	**2.108**	**1.983**	**2.103**	**2.114**	**.2488**
Stddev	.003	.001	.006	.008	.009	.002	.001	.005	.0000
%RSD	.1294	.0604	.2963	.3691	.4367	.0775	.0335	.2619	.0013
#1	2.051	2.033	2.069	2.090	2.101	1.984	2.102	2.118	.2488
#2	2.054	2.035	2.060	2.079	2.114	1.982	2.103	2.110	.2488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.141**	**2.049**	**2.160**	**2.127**	**2.018**	**2.046**	**40.04**	**40.77**
Stddev	.000	.006	.002	.000	.014	.003	.007	.11	.25
%RSD	.0138	.2732	.1012	.0033	.6761	.1375	.3269	.2757	.6149
#1	2.039	2.145	2.050	2.160	2.137	2.020	2.051	40.12	40.94
#2	2.039	2.137	2.047	2.160	2.117	2.016	2.041	39.96	40.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.28**	**39.99**	**40.15**	**40.26**	**2.096**	**2.101**	**2.020**	**5.099**	**2.131**
Stddev	.12	.34	.06	.00	.001	.006	.001	.001	.012
%RSD	.2895	.8442	.1522	.0069	.0569	.2829	.0393	.0103	.5815
#1	40.36	40.22	40.20	40.26	2.097	2.105	2.020	5.099	2.140
#2	40.20	39.75	40.11	40.25	2.095	2.096	2.019	5.098	2.123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 13:42:52 Type: QC
Method: Accutest1(v228) 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**	**2.076**	**2.068**	**2.047**	**2.064**	**2.047**	**1.988**
Stddev	.002	.000	.001	.000	.002	.001	.001
%RSD	.0984	.0049	.0620	.0028	.1068	.0672	.0494
#1	2.090	2.076	2.069	2.047	2.066	2.048	1.988
#2	2.093	2.076	2.067	2.047	2.062	2.046	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	**55682.**	**13437.**	**1873.7**	**3670.1**
Stddev	28.	81.	1.3	4.9
%RSD	.05084	.60444	.07012	.13373
#1	55702.	13379.	1872.8	3666.6
#2	55662.	13494.	1874.6	3673.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 13:48:46 Type: QC
Method: Accutest1(v228) 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**	**.0002**	**-.0000**	**-.0000**	**.0000**	**.0002**	**.0000**	**.0001**	**.0006**
Stddev	.0002	.0000	.0000	.0001	.0000	.0003	.0000	.0000	.0005
%RSD	51.56	10.40	85.14	567.1	197.7	144.5	168.9	25.81	89.24
#1	.0005	.0002	-.0001	-.0001	-.0000	.0004	.0000	.0001	.0002
#2	.0002	.0002	-.0000	.0000	.0001	-.0000	-.0000	.0001	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0005**	**.0002**	**.0001**	**.0008**	**.0021**	**.0001**	**.0112**	**-.0060**
Stddev	.0003	.0000	.0014	.0004	.0001	.0014	.0001	.0018	.0002
%RSD	314.7	.4778	943.1	407.9	15.14	68.62	93.31	16.39	2.981
#1	.0003	-.0005	-.0009	.0004	.0008	.0011	.0001	.0125	-.0061
#2	-.0001	-.0005	.0012	-.0002	.0009	.0031	.0000	.0099	-.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0079**	**.0175**	**.0369**	**.0519**	**-.0005**	**.0001**	**-.0002**	**.0012**	**.0005**
Stddev	.0008	.0067	.0170	.0014	.0002	.0002	.0007	.0020	.0006
%RSD	10.38	38.25	46.14	2.730	32.78	191.0	285.5	162.3	125.7
#1	.0073	.0222	.0490	.0509	-.0004	-.0000	-.0007	-.0002	.0009
#2	.0085	.0127	.0249	.0529	-.0006	.0003	.0002	.0026	.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: 6/9/2014 13:48:46 Type: QC
Method: Accutest1(v228) 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**	**-.0000**	**.0001**	**.0003**	**-.0002**	**.0008**
Stddev	.0001	.0002	.0002	.0001	.0002	.0007	.0005
%RSD	27.40	432.2	605.4	89.26	87.26	360.6	64.00
#1	.0002	.0001	.0001	.0000	.0004	.0003	.0004
#2	.0002	-.0002	-.0002	.0002	.0001	-.0006	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59635.**	**13631.**	**1992.9**	**4172.6**
Stddev	8.	21.	5.9	15.9
%RSD	.01385	.15126	.29624	.38216
#1	59640.	13617.	1988.7	4161.4
#2	59629.	13646.	1997.1	4183.9

Zoom In Zoom Out

Sample Name: jb68091-1a 2 Acquired: 6/9/2014 13:54:55 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun (889)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0713**	**-.0019**	**-.0008**	**.0008**	**287.4**	**.0345**	**.2668**	**.0331**	**.0214**
Stddev	.0001	.0001	.0009	.0003	.3	.0012	.0003	.0027	.0028
%RSD	.1313	5.219	111.1	36.22	.0962	3.358	.0991	8.233	12.88
#1	.0714	-.0018	-.0014	.0010	287.6	.0337	.2670	.0350	.0195
#2	.0712	-.0020	-.0002	.0006	287.2	.0353	.2666	.0312	.0234

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1142**	**-.1208**	**.3775**	**.0029**	**.0376**	**.0933**	**-.3856**	**.2376**	**95.66**
Stddev	.0008	.0014	.0037	.0110	.0063	.0371	.0177	.0627	.28
%RSD	.6939	1.132	.9766	380.4	16.75	39.82	4.590	26.39	.2883
#1	.1136	-.1199	.3749	.0107	.0420	.0670	-.3731	.2820	95.86
#2	.1147	-.1218	.3801	-.0049	.0331	.1195	-.3981	.1933	95.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3039**	**36.72**	**15.44**	**537.0**	**.4911**	**.0434**	**-.0073**	**9.220**	**-.0187**
Stddev	.0045	.13	.04	4.6	.0007	.0027	.0051	.053	.0010
%RSD	1.482	.3490	.2807	.8525	.1482	6.175	69.58	.5775	5.247
#1	.3071	36.81	15.47	540.3	.4916	.0415	-.0037	9.258	-.0194
#2	.3007	36.63	15.41	533.8	.4906	.0453	-.0108	9.182	-.0180

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7214**	**.0084**	**.1134**	**-.0564**	**135.0**	**-.0748**	**.0374**
Stddev	.0079	.0006	.0083	.0022	1.0	.0040	.0019
%RSD	1.093	7.397	7.284	3.953	.7457	5.389	5.016
#1	.7269	.0088	.1076	-.0580	135.7	-.0776	.0387
#2	.7158	.0079	.1193	-.0548	134.2	-.0719	.0361

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57251.**	**13559.**	**1827.3**	**3864.1**
Stddev	20.	12.	13.0	23.9
%RSD	.03447	.09102	.70912	.61950
#1	57264.	13550.	1818.2	3847.1
#2	57237.	13568.	1836.5	3881.0

Zoom In Zoom Out

Sample Name: jb68091-1af Acquired: 6/9/2014 14:01:00 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun (889)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0737**	**-.0025**	**-.0014**	**.0029**	**305.2**	**.0446**	**.2819**	**.0337**	**.0223**
Stddev	.0006	.0001	.0003	.0003	.0	.0016	.0006	.0014	.0002
%RSD	.8668	4.961	20.99	11.45	.0026	3.694	.2129	4.178	.7749
#1	.0742	-.0024	-.0012	.0027	305.2	.0435	.2815	.0346	.0224
#2	.0733	-.0026	-.0016	.0031	305.2	.0458	.2823	.0327	.0222

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1203**	**-.1144**	**.3961**	**-.0078**	**.0300**	**.1222**	**-.4345**	**.0657**	**101.0**
Stddev	.0037	.0047	.0195	.0136	.0032	.0122	.0299	.0444	.1
%RSD	3.116	4.110	4.922	173.9	10.73	9.976	6.879	67.49	.1139
#1	.1230	-.1177	.4099	-.0174	.0277	.1136	-.4134	.0343	101.1
#2	.1177	-.1111	.3823	.0018	.0323	.1308	-.4557	.0971	100.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2403**	**38.64**	**16.26**	**563.5**	**.5201**	**.0461**	**-.0049**	**9.423**	**-.0239**
Stddev	.0114	.54	.00	1.4	.0031	.0005	.0006	.107	.0047
%RSD	4.763	1.390	.0294	.2556	.6035	1.176	12.08	1.131	19.59
#1	.2484	38.26	16.26	564.5	.5223	.0465	-.0053	9.498	-.0272
#2	.2322	39.02	16.27	562.5	.5178	.0457	-.0045	9.348	-.0206

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7570**	**.0065**	**.1127**	**-.0596**	**142.4**	**-.0829**	**.0436**
Stddev	.0017	.0017	.0078	.0004	1.4	.0121	.0005
%RSD	.2216	26.17	6.924	.7367	1.004	14.60	1.145
#1	.7582	.0053	.1072	-.0599	143.4	-.0743	.0439
#2	.7558	.0077	.1182	-.0593	141.4	-.0914	.0432

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56223.**	**13445.**	**1799.7**	**3814.7**
Stddev	16.	64.	15.1	30.0
%RSD	.02875	.47387	.83760	.78697
#1	56234.	13400.	1789.1	3793.5
#2	56211.	13490.	1810.4	3836.0

Zoom In Zoom Out

Sample Name: mp79911-mb1 2 Acquired: 6/9/2014 14:07:03 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: SPECTRA Custom ID2: Custom ID3:
Comment: SPECTRA

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**-.0000**	**.0004**	**.0006**	**-.0000**	**-.0001**	**.0001**
Stddev	.0001	.0001	.0000	.0002	.0001	.0000	.0000	.0003	.0000
%RSD	71.31	161.6	24.99	1034.	38.43	4.433	100.4	371.3	40.41
#1	.0001	-.0000	.0000	-.0001	.0003	.0007	-.0000	-.0003	.0001
#2	.0003	.0001	.0000	.0001	.0004	.0006	-.0001	.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0001**	**-.0019**	**-.0001**	**-.0000**	**.0008**	**.0002**	**.0029**	**-.0069**
Stddev	.0003	.0001	.0006	.0004	.0000	.0004	.0007	.0119	.0001
%RSD	121.4	163.4	29.94	295.2	273.9	49.98	268.6	414.1	1.281
#1	.0005	.0002	-.0023	-.0004	-.0001	.0011	-.0002	.0113	-.0069
#2	.0000	-.0000	-.0015	.0001	.0000	.0005	.0007	-.0055	-.0068

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0132**	**.0040**	**.0468**	**.0374**	**-.0005**	**.0003**	**-.0000**	**.0065**	**.0007**
Stddev	.0009	.0225	.0019	.0029	.0002	.0001	.0005	.0002	.0003
%RSD	6.684	558.5	4.069	7.671	38.32	22.27	2060.	2.797	39.74
#1	.0138	-.0119	.0454	.0394	-.0004	.0004	-.0004	.0064	.0009
#2	.0126	.0200	.0481	.0354	-.0006	.0003	.0004	.0067	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0003**	**.0005**	**.0005**	**.0073**	**-.0008**	**.0007**
Stddev	.0000	.0001	.0008	.0001	.0037	.0003	.0003
%RSD	614.4	19.08	179.2	19.14	50.69	40.64	34.45
#1	-.0000	.0003	-.0001	.0006	.0099	-.0010	.0009
#2	.0000	.0002	.0011	.0004	.0047	-.0006	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59129.**	**13700.**	**1947.8**	**4105.3**
Stddev	18.	4.	2.3	6.1
%RSD	.03033	.02581	.11943	.14924
#1	59141.	13697.	1946.1	4101.0
#2	59116.	13702.	1949.4	4109.6

Zoom In Zoom Out

Sample Name: mp79911-lc1 Acquired: 6/9/2014 14:13:12 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5044**	**.4669**	**.4654**	**.4612**	**.4889**	**.4503**	**.4861**	**.4775**	**.1829**
Stddev	.0011	.0018	.0031	.0019	.0019	.0017	.0009	.0010	.0004
%RSD	.2232	.3846	.6762	.4044	.3893	.3816	.1897	.2074	.2208
#1	.5052	.4656	.4676	.4625	.4903	.4515	.4867	.4782	.1826
#2	.5036	.4681	.4632	.4599	.4876	.4491	.4854	.4768	.1832

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4609**	**.4944**	**.4594**	**.5082**	**.4931**	**.4796**	**.4581**	**4.916**	**5.530**
Stddev	.0010	.0015	.0031	.0010	.0013	.0020	.0025	.011	.019
%RSD	.2120	.3005	.6838	.1913	.2702	.4258	.5486	.2226	.3450
#1	.4603	.4954	.4616	.5075	.4940	.4811	.4599	4.924	5.517
#2	.4616	.4933	.4572	.5089	.4921	.4782	.4563	4.908	5.544

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.527**	**5.317**	**9.520**	**9.748**	**.0062**	**.4759**	**.0014**	**.0290**	**.0016**
Stddev	.004	.007	.005	.006	.0001	.0027	.0025	.0014	.0009
%RSD	.0793	.1354	.0530	.0602	1.768	.5692	187.1	4.789	52.97
#1	5.524	5.312	9.523	9.744	.0063	.4778	-.0004	.0300	.0010
#2	5.530	5.323	9.516	9.753	.0061	.4740	.0031	.0280	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4906**	**.0059**	**.0003**	**.0015**	**-.0007**	**.0009**
Stddev	.0000	.0016	.0002	.0001	.0008	.0002	.0000
%RSD	3.346	.3172	4.115	43.67	56.79	22.75	1.147
#1	-.0002	.4917	.0060	.0004	.0021	-.0006	.0009
#2	-.0002	.4895	.0057	.0002	.0009	-.0008	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58660.**	**13746.**	**1961.6**	**4013.9**
Stddev	240.	69.	17.6	22.3
%RSD	.40842	.49870	.89660	.55462
#1	58491.	13795.	1949.2	3998.1
#2	58830.	13698.	1974.0	4029.6

Zoom In Zoom Out

Sample Name: mp79911-s1 Acquired: 6/9/2014 14:19:13 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.049**	**.0478**	**.0510**	**.4961**	**.2420**	**.2617**	**1.238**	**.5144**	**.0112**
Stddev	.008	.0000	.0007	.0038	.0009	.0006	.002	.0045	.0002
%RSD	.4040	.0081	1.320	.7629	.3744	.2113	.1263	.8844	2.105
#1	2.044	.0478	.0515	.4987	.2426	.2613	1.239	.5176	.0114
#2	2.055	.0478	.0505	.4934	.2413	.2621	1.237	.5112	.0111

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4837**	**.8039**	**2.067**	**2.017**	**.5443**	**2.116**	**.5037**	**2.117**	**85.78**
Stddev	.0001	.0070	.023	.023	.0027	.029	.0062	.017	.26
%RSD	.0113	.8748	1.121	1.158	.5049	1.346	1.238	.7887	.3073
#1	.4837	.8089	2.083	2.034	.5463	2.136	.5081	2.105	85.59
#2	.4836	.7989	2.051	2.001	.5424	2.095	.4993	2.129	85.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.444**	**34.96**	**103.3**	**173.1**	**.9082**	**.0056**	**.0101**	**10.88**	**.0002**
Stddev	.037	.07	.6	.5	.0123	.0002	.0000	.13	.0003
%RSD	.3895	.1979	.5327	.2635	1.354	2.797	.4655	1.231	194.9
#1	9.418	34.92	102.9	173.4	.9169	.0057	.0101	10.97	.0004
#2	9.470	35.01	103.7	172.8	.8995	.0055	.0101	10.78	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2042**	**.0055**	**.0242**	**.0011**	**18.84**	**-.0021**	**.0316**
Stddev	.0006	.0006	.0005	.0001	.25	.0006	.0002
%RSD	.2870	10.19	2.174	4.629	1.342	27.69	.5155
#1	.2038	.0051	.0238	.0011	19.01	-.0017	.0317
#2	.2046	.0059	.0246	.0011	18.66	-.0025	.0315

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52557.**	**13272.**	**1761.3**	**3441.6**
Stddev	11.	67.	18.4	29.2
%RSD	.02146	.50764	1.0420	.84931
#1	52565.	13320.	1748.4	3420.9
#2	52549.	13225.	1774.3	3462.3

Zoom In Zoom Out

Sample Name: mp79911-s2 Acquired: 6/9/2014 14:25:17 Type: Unk
Method: Accutest1(v228) Mode: CONC 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**	**.0470**	**.0501**	**.4877**	**.2392**	**.2590**	**1.212**	**.5073**	**.0115**
Stddev	.001	.0002	.0005	.0030	.0011	.0006	.002	.0027	.0005
%RSD	.0463	.3286	.9196	.6126	.4408	.2254	.1278	.5270	4.689
#1	2.020	.0469	.0504	.4898	.2385	.2586	1.213	.5092	.0118
#2	2.021	.0472	.0497	.4856	.2399	.2594	1.211	.5054	.0111

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4755**	**.8241**	**2.046**	**1.995**	**.5369**	**2.096**	**.4993**	**2.131**	**83.50**
Stddev	.0001	.0036	.016	.015	.0017	.015	.0065	.005	.05
%RSD	.0171	.4372	.7982	.7335	.3115	.7063	1.299	.2491	.0639
#1	.4754	.8266	2.058	2.005	.5381	2.107	.5039	2.134	83.54
#2	.4755	.8215	2.035	1.984	.5357	2.086	.4947	2.127	83.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.173**	**34.35**	**100.4**	**166.1**	**.8878**	**.0054**	**.0093**	**10.62**	**-.0003**
Stddev	.011	.07	.0	.1	.0074	.0002	.0004	.09	.0014
%RSD	.1156	.2086	.0449	.0880	.8385	3.498	3.787	.8854	501.8
#1	9.166	34.40	100.4	166.2	.8931	.0053	.0091	10.69	-.0013
#2	9.181	34.30	100.5	166.0	.8826	.0055	.0096	10.56	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1984**	**.0052**	**.0258**	**.0006**	**18.36**	**-.0019**	**.0313**
Stddev	.0001	.0001	.0002	.0001	.14	.0011	.0000
%RSD	.0453	2.774	.7688	11.25	.7533	60.17	.0707
#1	.1983	.0053	.0256	.0007	18.46	-.0011	.0313
#2	.1984	.0051	.0259	.0006	18.27	-.0027	.0313

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52057.**	**13171.**	**1741.5**	**3410.4**
Stddev	17.	14.	16.2	29.0
%RSD	.03292	.10811	.93109	.84965
#1	52045.	13161.	1730.0	3389.9
#2	52070.	13181.	1752.9	3430.9

Zoom In Zoom Out

Sample Name: jb67939-2 Acquired: 6/9/2014 14:31:19 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment: QC (911)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1024**	**.0000**	**.0006**	**.0040**	**.0388**	**.0243**	**.6868**	**.0115**	**.0012**
Stddev	.0006	.0000	.0000	.0003	.0002	.0002	.0001	.0006	.0000
%RSD	.5405	123.9	6.488	7.175	.4096	.6573	.0200	5.571	4.017
#1	.1028	.0000	.0006	.0042	.0389	.0244	.6867	.0119	.0012
#2	.1020	.0001	.0006	.0038	.0387	.0242	.6869	.0110	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.2738**	**.0047**	**.0009**	**.0330**	**.0060**	**.0009**	**.1705**	**56.86**
Stddev	.0004	.0034	.0009	.0007	.0001	.0010	.0003	.0004	.14
%RSD	12.49	1.229	19.67	73.50	.2553	16.70	33.72	.2121	.2530
#1	.0031	.2762	.0040	.0014	.0331	.0053	.0007	.1703	56.96
#2	.0037	.2715	.0053	.0004	.0330	.0067	.0011	.1708	56.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.847**	**9.799**	**71.70**	**136.9**	**.8370**	**.0044**	**.0093**	**9.940**	**-.0001**
Stddev	.030	.012	.20	1.1	.0140	.0001	.0009	.184	.0003
%RSD	.3787	.1247	.2755	.7997	1.672	3.031	10.24	1.853	363.3
#1	7.826	9.790	71.84	136.1	.8469	.0043	.0099	10.07	.0002
#2	7.868	9.808	71.56	137.7	.8271	.0045	.0086	9.810	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1885**	**.0031**	**.0116**	**.0007**	**17.27**	**-.0008**	**.0281**
Stddev	.0007	.0003	.0005	.0001	.29	.0006	.0003
%RSD	.3564	8.891	4.200	17.01	1.674	82.80	.9348
#1	.1890	.0033	.0119	.0008	17.47	-.0003	.0279
#2	.1880	.0029	.0112	.0006	17.06	-.0012	.0283

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**53892.**	**13459.**	**1810.4**	**3580.5**
Stddev	79.	29.	31.7	53.8
%RSD	.14640	.21504	1.7499	1.5013
#1	53836.	13438.	1788.0	3542.5
#2	53948.	13479.	1832.8	3618.5

Zoom In Zoom Out

Sample Name: mp79911-sd1 Acquired: 6/9/2014 14:37:29 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment: Dil 939-2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0985**	**.0001**	**-.0002**	**.0036**	**.0380**	**.0272**	**.6952**	**.0105**	**.0013**
Stddev	.0034	.0001	.0003	.0005	.0004	.0011	.0013	.0001	.0022
%RSD	3.451	53.45	140.6	14.99	1.098	3.893	.1873	.5879	174.2
#1	.1010	.0001	-.0004	.0032	.0383	.0279	.6961	.0105	-.0003
#2	.0961	.0002	-.0000	.0040	.0377	.0264	.6942	.0106	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**.2794**	**.0013**	**-.0028**	**.0383**	**-.0009**	**-.0008**	**.1887**	**54.86**
Stddev	.0021	.0026	.0018	.0012	.0029	.0016	.0015	.0283	2.17
%RSD	96.77	.9200	137.0	45.03	7.624	180.0	193.4	14.99	3.950
#1	.0036	.2812	.0000	-.0019	.0362	.0002	-.0019	.1687	56.39
#2	.0007	.2776	.0026	-.0036	.0404	-.0020	.0003	.2087	53.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.579**	**9.399**	**67.20**	**134.8**	**.8498**	**.0050**	**.0162**	**10.14**	**.0023**
Stddev	.308	.236	2.28	4.8	.0014	.0007	.0017	.08	.0002
%RSD	4.068	2.515	3.388	3.578	.1659	14.25	10.46	.8210	7.084
#1	7.797	9.566	68.81	138.2	.8508	.0045	.0174	10.20	.0022
#2	7.361	9.232	65.59	131.4	.8488	.0055	.0150	10.08	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1838**	**.0042**	**.0120**	**.0017**	**16.98**	**-.0000**	**.0283**
Stddev	.0060	.0008	.0012	.0005	.04	.0024	.0001
%RSD	3.241	18.91	10.28	30.70	.2348	8399.	.3046
#1	.1880	.0048	.0128	.0013	17.00	-.0018	.0284
#2	.1796	.0036	.0111	.0021	16.95	.0017	.0283

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56500.**	**14067.**	**1865.2**	**3837.4**
Stddev	37.	556.	11.0	17.4
%RSD	.06552	3.9527	.59096	.45241
#1	56474.	13674.	1857.4	3825.1
#2	56527.	14460.	1873.0	3849.7

Zoom In Zoom Out

Sample Name: jb67879-4 Acquired: 6/9/2014 14:43:34 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2749**	**-.0001**	**.0044**	**.0031**	**.0108**	**.0228**	**.2174**	**.0117**	**.0017**
Stddev	.0000	.0001	.0000	.0000	.0002	.0000	.0008	.0000	.0001
%RSD	.0068	48.66	.9714	.5484	1.570	.0185	.3591	.0692	7.175
#1	.2749	-.0002	.0044	.0031	.0110	.0228	.2169	.0117	.0017
#2	.2749	-.0001	.0045	.0031	.0107	.0228	.2180	.0117	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0212**	**.0806**	**.0030**	**-.0012**	**.0217**	**.0045**	**.0012**	**4.172**	**80.42**
Stddev	.0003	.0000	.0009	.0005	.0009	.0011	.0000	.008	.58
%RSD	1.508	.0346	30.69	43.75	4.336	24.01	2.854	.1883	.7245
#1	.0214	.0807	.0024	-.0008	.0224	.0052	.0012	4.178	80.83
#2	.0210	.0806	.0037	-.0015	.0211	.0037	.0013	4.166	80.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.535**	**12.40**	**1.459**	**18.08**	**.0931**	**.0010**	**.0151**	**16.26**	**-.0014**
Stddev	.037	.06	.013	.03	.0009	.0001	.0002	.08	.0001
%RSD	.4976	.5123	.8603	.1582	.9701	7.336	1.144	.4996	4.130
#1	7.562	12.45	1.468	18.10	.0937	.0011	.0153	16.32	-.0014
#2	7.509	12.36	1.450	18.06	.0924	.0010	.0150	16.21	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1269**	**.3378**	**.0156**	**.0032**	**6.728**	**-.0011**	**.0278**
Stddev	.0002	.0002	.0002	.0000	.028	.0005	.0001
%RSD	.1645	.0467	1.571	.7543	.4103	44.71	.2725
#1	.1270	.3377	.0155	.0032	6.748	-.0007	.0279
#2	.1267	.3379	.0158	.0032	6.709	-.0014	.0278

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55716.**	**13347.**	**1849.8**	**3718.9**
Stddev	68.	90.	8.3	16.2
%RSD	.12245	.67626	.45080	.43551
#1	55764.	13283.	1843.9	3707.4
#2	55667.	13411.	1855.7	3730.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 14:49:38 Type: QC
Method: Accutest1(v228) 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	**2.041**	**2.020**	**2.016**	**2.029**	**2.068**	**1.963**	**2.073**	**2.062**	**.2455**
Stddev	.002	.006	.021	.020	.002	.003	.007	.019	.0006
%RSD	.0735	.3117	1.061	.9827	.0772	.1257	.3163	.9122	.2263
#1	2.042	2.024	2.031	2.043	2.066	1.965	2.069	2.075	.2459
#2	2.040	2.016	2.001	2.015	2.069	1.962	2.078	2.049	.2451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**2.087**	**2.006**	**2.106**	**2.068**	**1.989**	**2.004**	**39.61**	**39.98**
Stddev	.006	.022	.020	.017	.019	.020	.020	.02	.17
%RSD	.3176	1.050	.9807	.8077	.9364	1.012	1.004	.0614	.4163
#1	2.004	2.102	2.020	2.118	2.081	2.003	2.018	39.63	40.09
#2	2.013	2.071	1.993	2.094	2.054	1.975	1.990	39.60	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	**39.60**	**39.14**	**39.83**	**39.89**	**2.050**	**2.053**	**1.990**	**4.994**	**2.082**
Stddev	.16	.08	.04	.01	.019	.021	.008	.050	.022
%RSD	.4077	.1953	.1074	.0176	.9361	1.035	.4000	.9972	1.041
#1	39.72	39.20	39.86	39.88	2.064	2.068	1.995	5.030	2.098
#2	39.49	39.09	39.80	39.89	2.037	2.038	1.984	4.959	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 14:49:38 Type: QC
Method: Accutest1(v228) 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	**2.080**	**2.036**	**2.012**	**2.018**	**2.015**	**2.002**	**1.971**
Stddev	.006	.005	.018	.001	.024	.018	.005
%RSD	.2723	.2541	.8718	.0671	1.188	.9096	.2693
#1	2.084	2.039	2.025	2.018	2.032	2.014	1.968
#2	2.076	2.032	2.000	2.019	1.998	1.989	1.975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56412.**	**13653.**	**1903.9**	**3734.4**
Stddev	29.	17.	17.6	31.4
%RSD	.05067	.12523	.92232	.84075
#1	56433.	13641.	1891.4	3712.2
#2	56392.	13665.	1916.3	3756.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 14:55:32 Type: QC
Method: Accutest1(v228) 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**	**.0001**	**-.0001**	**-.0001**	**.0004**	**.0004**	**.0001**	**-.0001**	**.0002**
Stddev	.0003	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0003
%RSD	151.1	41.69	121.3	57.95	29.19	33.18	96.22	77.10	117.7
#1	-.0000	.0001	-.0002	-.0001	.0003	.0005	.0001	-.0002	.0004
#2	.0004	.0000	-.0000	-.0002	.0005	.0003	.0000	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0007**	**.0010**	**.0010**	**.0003**	**.0027**	**-.0005**	**.0032**	**-.0094**
Stddev	.0000	.0000	.0000	.0003	.0007	.0004	.0005	.0002	.0017
%RSD	3.705	4.974	1.526	30.14	278.7	13.12	98.87	6.764	18.38
#1	.0001	-.0007	.0010	.0008	.0008	.0024	-.0002	.0034	-.0107
#2	.0001	-.0008	.0010	.0013	-.0003	.0029	-.0009	.0031	-.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0087**	**.0479**	**.0365**	**-.0005**	**.0003**	**-.0008**	**-.0019**	**.0005**
Stddev	.0025	.0056	.0032	.0031	.0002	.0000	.0006	.0002	.0002
%RSD	142.4	64.08	6.755	8.366	31.52	13.64	74.99	10.45	47.23
#1	-.0000	.0126	.0456	.0343	-.0006	.0002	-.0012	-.0018	.0007
#2	.0035	.0048	.0502	.0386	-.0004	.0003	-.0004	-.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 14:55:32 Type: QC
Method: Accutest1(v228) 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**	**.0011**	**.0001**	**-.0006**	**-.0001**	**.0007**
Stddev	.0000	.0004	.0005	.0003	.0014	.0011	.0008
%RSD	29.13	323.6	44.70	365.5	253.0	1159.	115.0
#1	.0001	-.0004	.0014	-.0001	.0004	.0007	.0013
#2	.0001	.0002	.0007	.0003	-.0016	-.0009	.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	**60314.**	**13891.**	**2003.0**	**4207.5**
Stddev	203.	122.	12.1	20.9
%RSD	.33671	.88056	.60638	.49579
#1	60170.	13978.	1994.4	4192.7
#2	60457.	13805.	2011.6	4222.2

Zoom In Zoom Out

Sample Name: jb67879-5 Acquired: 6/9/2014 15:01:43 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2188**	**-.0002**	**.0001**	**.0030**	**.0022**	**.0022**	**8.130**	**.0041**	**.0024**
Stddev	.0000	.0000	.0000	.0001	.0002	.0000	.012	.0000	.0004
%RSD	.0202	21.43	9.334	2.439	6.974	1.962	.1427	.5066	17.08
#1	.2188	-.0002	.0001	.0029	.0023	.0023	8.122	.0041	.0021
#2	.2187	-.0001	.0002	.0030	.0020	.0022	8.139	.0041	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0010**	**.0072**	**.0026**	**.0024**	**.0032**	**.0008**	**.1905**	**25.40**
Stddev	.0003	.0001	.0004	.0016	.0008	.0008	.0003	.0042	.08
%RSD	18.71	10.21	4.912	60.30	32.22	24.56	33.14	2.218	.3188
#1	.0018	.0011	.0070	.0037	.0018	.0026	.0006	.1935	25.34
#2	.0014	.0010	.0075	.0015	.0029	.0037	.0010	.1875	25.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.34**	**11.73**	**1.233**	**50.49**	**.1118**	**.0012**	**.0083**	**9.368**	**-.0005**
Stddev	.03	.02	.004	.04	.0010	.0001	.0006	.080	.0001
%RSD	.2552	.1685	.3341	.0818	.8764	11.63	6.790	.8532	16.84
#1	10.32	11.71	1.230	50.51	.1125	.0013	.0087	9.424	-.0006
#2	10.36	11.74	1.236	50.46	.1111	.0011	.0079	9.311	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0823**	**.0073**	**.0104**	**.0005**	**2.169**	**-.0016**	**.0090**
Stddev	.0001	.0001	.0004	.0000	.007	.0003	.0003
%RSD	.1257	1.464	3.548	3.408	.3342	18.93	2.969
#1	.0822	.0073	.0102	.0004	2.174	-.0014	.0088
#2	.0824	.0074	.0107	.0005	2.164	-.0019	.0092

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56275.**	**13672.**	**1864.8**	**3774.1**
Stddev	66.	58.	14.3	23.9
%RSD	.11645	.42279	.76924	.63204
#1	56321.	13713.	1854.6	3757.2
#2	56229.	13632.	1874.9	3790.9

Zoom In Zoom Out

Sample Name: jb67879-6 Acquired: 6/9/2014 15:07:52 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6228**	**-.0001**	**.0041**	**.0011**	**.0034**	**.0080**	**7.632**	**.0039**	**.0042**
Stddev	.0002	.0000	.0002	.0001	.0004	.0000	.010	.0002	.0005
%RSD	.0337	26.87	3.773	10.06	10.29	.4822	.1355	5.556	11.61
#1	.6227	-.0002	.0042	.0011	.0032	.0079	7.625	.0040	.0038
#2	.6230	-.0001	.0040	.0010	.0036	.0080	7.640	.0037	.0045

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0044**	**.0199**	**.0039**	**-.0011**	**.0095**	**.0008**	**.0009**	**1.176**	**72.87**
Stddev	.0004	.0003	.0013	.0005	.0007	.0005	.0002	.000	.32
%RSD	8.497	1.427	32.73	47.04	7.611	57.89	20.97	.0005	.4328
#1	.0041	.0201	.0030	-.0008	.0100	.0005	.0010	1.176	72.65
#2	.0046	.0197	.0047	-.0015	.0090	.0011	.0008	1.176	73.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**32.25**	**19.91**	**1.773**	**24.59**	**.0355**	**.0006**	**.0069**	**8.826**	**-.0019**
Stddev	.07	.01	.019	.08	.0003	.0002	.0008	.051	.0003
%RSD	.2276	.0672	1.076	.3259	.9331	43.80	11.31	.5782	16.26
#1	32.20	19.90	1.760	24.53	.0358	.0004	.0063	8.862	-.0021
#2	32.30	19.92	1.787	24.65	.0353	.0007	.0074	8.790	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1688**	**.0561**	**.0102**	**.0007**	**.5410**	**-.0004**	**.0292**
Stddev	.0002	.0005	.0004	.0003	.0012	.0001	.0005
%RSD	.1010	.8127	3.499	39.46	.2309	25.81	1.790
#1	.1686	.0557	.0104	.0009	.5419	-.0005	.0289
#2	.1689	.0564	.0099	.0005	.5401	-.0003	.0296

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55784.**	**13510.**	**1851.1**	**3749.7**
Stddev	76.	62.	9.1	16.3
%RSD	.13612	.45999	.49320	.43577
#1	55730.	13554.	1844.7	3738.1
#2	55837.	13466.	1857.6	3761.2

Zoom In Zoom Out

Sample Name: jb67879-12 Acquired: 6/9/2014 15:13:57 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6831**	**-.0001**	**.0022**	**.0064**	**.0205**	**.0301**	**.6177**	**.0190**	**.0048**
Stddev	.0011	.0000	.0001	.0002	.0003	.0005	.0018	.0001	.0001
%RSD	.1580	9.468	2.333	2.953	1.338	1.541	.2994	.6591	2.436
#1	.6823	-.0001	.0022	.0065	.0203	.0304	.6164	.0191	.0049
#2	.6838	-.0001	.0022	.0062	.0207	.0298	.6190	.0189	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0363**	**.2291**	**.0038**	**-.0016**	**.0310**	**.0051**	**.0013**	**7.358**	**67.03**
Stddev	.0001	.0024	.0014	.0006	.0006	.0001	.0002	.012	.21
%RSD	.3260	1.054	36.79	38.66	1.952	1.677	19.20	.1657	.3064
#1	.0362	.2308	.0028	-.0020	.0314	.0051	.0011	7.349	66.88
#2	.0364	.2274	.0048	-.0011	.0305	.0052	.0014	7.367	67.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**52.04**	**16.59**	**3.349**	**31.91**	**.0867**	**.0023**	**.0241**	**22.34**	**-.0016**
Stddev	.17	.13	.014	.07	.0014	.0003	.0012	.27	.0006
%RSD	.3175	.7539	.4098	.2341	1.563	12.29	5.097	1.217	36.72
#1	51.93	16.50	3.339	31.85	.0876	.0025	.0232	22.53	-.0020
#2	52.16	16.68	3.358	31.96	.0857	.0021	.0250	22.14	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1342**	**.5416**	**.0227**	**.0051**	**6.571**	**-.0014**	**.0445**
Stddev	.0002	.0018	.0000	.0003	.070	.0010	.0006
%RSD	.1853	.3366	.1255	6.288	1.062	74.14	1.352
#1	.1340	.5429	.0227	.0053	6.621	-.0021	.0440
#2	.1344	.5403	.0227	.0049	6.522	-.0007	.0449

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55702.**	**13538.**	**1848.1**	**3718.5**
Stddev	3.	38.	21.0	34.6
%RSD	.00616	.27979	1.1342	.92919
#1	55704.	13565.	1833.3	3694.1
#2	55699.	13511.	1862.9	3742.9

Zoom In Zoom Out

Sample Name: jb68424-7 Acquired: 6/9/2014 15:19:59 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0306**	**.0000**	**.0002**	**.0021**	**.0008**	**.0021**	**.0452**	**.0005**	**.0008**
Stddev	.0002	.0000	.0001	.0001	.0002	.0006	.0002	.0005	.0005
%RSD	.7632	143.0	74.61	2.535	27.76	27.30	.3805	98.82	61.93
#1	.0308	.0000	.0001	.0021	.0009	.0017	.0453	.0008	.0011
#2	.0304	-.0000	.0003	.0022	.0006	.0026	.0450	.0001	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0084**	**-.0000**	**-.0001**	**.0006**	**.0029**	**-.0014**	**.3926**	**4.771**
Stddev	.0001	.0000	.0008	.0001	.0002	.0002	.0008	.0026	.009
%RSD	8.569	.0785	1812.	126.7	33.41	5.694	56.07	.6658	.1910
#1	.0012	.0084	-.0006	-.0000	.0007	.0030	-.0019	.3944	4.765
#2	.0014	.0084	.0005	-.0002	.0005	.0028	-.0008	.3907	4.778

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5882**	**.8231**	**2.071**	**9.697**	**.0181**	**.0005**	**.0018**	**2.123**	**-.0002**
Stddev	.0027	.0080	.030	.021	.0008	.0000	.0000	.009	.0003
%RSD	.4603	.9712	1.471	.2150	4.279	4.910	2.057	.4219	141.6
#1	.5863	.8175	2.093	9.712	.0175	.0005	.0018	2.129	-.0004
#2	.5902	.8288	2.050	9.683	.0186	.0005	.0019	2.116	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0213**	**.0036**	**.0028**	**.0009**	**7.390**	**-.0009**	**.0006**
Stddev	.0001	.0002	.0008	.0001	.036	.0001	.0005
%RSD	.6415	6.280	28.03	12.72	.4917	7.307	79.56
#1	.0214	.0038	.0022	.0010	7.415	-.0010	.0009
#2	.0212	.0035	.0033	.0008	7.364	-.0009	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58313.**	**13704.**	**1928.0**	**4017.7**
Stddev	61.	48.	11.5	22.9
%RSD	.10479	.35375	.59550	.56943
#1	58270.	13739.	1919.9	4001.5
#2	58356.	13670.	1936.1	4033.9

Zoom In Zoom Out

Sample Name: jb68424-9 Acquired: 6/9/2014 15:26:05 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0780**	**.0001**	**.0004**	**.0082**	**.0002**	**.0037**	**.1441**	**.0032**	**.0004**
Stddev	.0003	.0000	.0000	.0000	.0004	.0004	.0003	.0003	.0001
%RSD	.4298	5.983	.5188	.4585	182.3	11.87	.2232	7.990	17.46
#1	.0777	.0001	.0004	.0082	-.0001	.0041	.1444	.0034	.0004
#2	.0782	.0001	.0004	.0081	.0005	.0034	.1439	.0030	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0225**	**.0002**	**.0003**	**.0007**	**.0058**	**-.0003**	**.3368**	**18.98**
Stddev	.0004	.0002	.0010	.0007	.0009	.0035	.0002	.0025	.13
%RSD	139.7	.8052	507.9	245.7	123.7	60.19	76.18	.7414	.6742
#1	.0000	.0226	.0009	-.0002	.0014	.0083	-.0005	.3386	18.89
#2	.0006	.0224	-.0005	.0008	.0001	.0034	-.0001	.3351	19.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4843**	**4.520**	**6.833**	**42.93**	**.0400**	**.0003**	**.0011**	**2.338**	**-.0001**
Stddev	.0013	.017	.041	.27	.0002	.0003	.0001	.011	.0002
%RSD	.2710	.3828	.5953	.6355	.6031	118.1	12.83	.4755	172.2
#1	.4833	4.508	6.805	42.74	.0402	.0005	.0012	2.346	.0000
#2	.4852	4.532	6.862	43.13	.0399	.0000	.0010	2.330	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0831**	**.0010**	**.0030**	**.0003**	**10.38**	**-.0009**	**.0021**
Stddev	.0007	.0004	.0007	.0000	.07	.0010	.0004
%RSD	.8194	41.08	24.30	11.26	.7111	108.6	19.37
#1	.0826	.0007	.0025	.0003	10.44	-.0016	.0018
#2	.0836	.0013	.0035	.0004	10.33	-.0002	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56708.**	**13716.**	**1891.8**	**3838.1**
Stddev	99.	72.	11.2	20.1
%RSD	.17516	.52632	.59452	.52387
#1	56778.	13767.	1883.8	3823.9
#2	56638.	13665.	1899.8	3852.3

Zoom In Zoom Out

Sample Name: jb68424-10 Acquired: 6/9/2014 15:32:12 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0342**	**.0003**	**.0010**	**.0013**	**.0285**	**.0296**	**.0758**	**.0087**	**.0019**
Stddev	.0002	.0000	.0000	.0001	.0001	.0001	.0001	.0006	.0007
%RSD	.7112	15.71	3.086	10.57	.4028	.4001	.1338	7.208	38.72
#1	.0340	.0003	.0011	.0014	.0285	.0295	.0757	.0091	.0024
#2	.0344	.0002	.0010	.0012	.0284	.0297	.0758	.0083	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0279**	**.1972**	**.0094**	**-.0008**	**.0340**	**.0063**	**.0008**	**12.07**	**5.607**
Stddev	.0003	.0010	.0005	.0004	.0010	.0003	.0010	.03	.002
%RSD	1.025	.4849	5.639	43.14	2.857	4.254	119.7	.2341	.0318
#1	.0281	.1979	.0098	-.0011	.0333	.0061	.0001	12.05	5.608
#2	.0277	.1965	.0090	-.0006	.0347	.0065	.0015	12.09	5.605

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.67**	**2.628**	**3.454**	**195.9**	**.0541**	**.0064**	**.0277**	**27.29**	**-.0004**
Stddev	.01	.005	.007	1.5	.0003	.0003	.0002	.19	.0000
%RSD	.0338	.1944	.1960	.7668	.5661	5.053	.7452	.6908	.3272
#1	19.67	2.632	3.449	197.0	.0543	.0066	.0276	27.43	-.0004
#2	19.68	2.625	3.459	194.8	.0539	.0062	.0279	27.16	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0466**	**.1345**	**.0263**	**.0121**	**10.72**	**-.0016**	**.0080**
Stddev	.0002	.0008	.0005	.0001	.06	.0002	.0009
%RSD	.3958	.5922	1.985	.8536	.5578	14.87	11.29
#1	.0465	.1340	.0267	.0120	10.76	-.0018	.0087
#2	.0467	.1351	.0259	.0121	10.67	-.0015	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55166.**	**13483.**	**1867.7**	**3623.6**
Stddev	47.	6.	11.0	18.0
%RSD	.08534	.04702	.58679	.49757
#1	55199.	13479.	1860.0	3610.8
#2	55132.	13488.	1875.5	3636.3

Zoom In Zoom Out

Sample Name: jb68424-11 Acquired: 6/9/2014 15:38:21 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0177**	**.0001**	**.0003**	**-.0002**	**.0066**	**.0072**	**.0062**	**.0030**	**.0003**
Stddev	.0000	.0001	.0001	.0003	.0002	.0003	.0001	.0000	.0002
%RSD	.1157	114.9	47.33	179.2	3.293	3.547	1.523	1.118	68.07
#1	.0177	.0000	.0004	-.0004	.0068	.0073	.0061	.0030	.0004
#2	.0176	.0001	.0002	.0000	.0065	.0070	.0063	.0031	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0111**	**.0163**	**.0042**	**-.0012**	**.0040**	**.0059**	**-.0012**	**2.575**	**12.89**
Stddev	.0005	.0001	.0001	.0000	.0006	.0010	.0004	.011	.02
%RSD	4.447	.7473	2.995	1.653	13.93	16.60	32.78	.4280	.1723
#1	.0108	.0163	.0043	-.0013	.0036	.0066	-.0015	2.583	12.88
#2	.0115	.0164	.0041	-.0012	.0044	.0052	-.0009	2.567	12.91

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.904**	**8.255**	**4.719**	**315.9**	**.0278**	**.0026**	**.0123**	**12.60**	**-.0016**
Stddev	.014	.036	.009	1.7	.0008	.0000	.0002	.11	.0003
%RSD	.4824	.4342	.1795	.5418	2.977	.1867	1.339	.8777	19.59
#1	2.894	8.229	4.725	317.1	.0284	.0026	.0124	12.68	-.0014
#2	2.914	8.280	4.713	314.7	.0272	.0026	.0122	12.52	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0812**	**.0230**	**.0121**	**.0040**	**7.912**	**-.0019**	**.0090**
Stddev	.0001	.0001	.0008	.0002	.050	.0004	.0005
%RSD	.1768	.4965	6.527	5.779	.6319	23.28	5.386
#1	.0811	.0230	.0127	.0042	7.948	-.0022	.0087
#2	.0813	.0229	.0115	.0038	7.877	-.0016	.0093

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52878.**	**13329.**	**1800.1**	**3463.2**
Stddev	31.	11.	15.3	24.8
%RSD	.05854	.08053	.84732	.71526
#1	52900.	13337.	1789.3	3445.7
#2	52856.	13322.	1810.8	3480.8

Zoom In Zoom Out

Sample Name: jb68485-1 Acquired: 6/9/2014 15:44:31 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1385**	**.0000**	**.0004**	**.0008**	**.0006**	**.0007**	**.0008**	**.0022**	**.0016**
Stddev	.0008	.0000	.0002	.0002	.0002	.0003	.0001	.0001	.0001
%RSD	.5449	123.5	49.46	26.42	43.10	37.89	8.370	5.744	4.087
#1	.1379	.0000	.0002	.0007	.0004	.0005	.0008	.0021	.0016
#2	.1390	.0000	.0005	.0010	.0007	.0009	.0008	.0023	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0036**	**.0062**	**-.0003**	**.0012**	**.0007**	**.0008**	**.0557**	**179.5**
Stddev	.0003	.0001	.0031	.0020	.0006	.0025	.0002	.0086	.2
%RSD	145.4	3.689	50.61	633.6	53.85	348.8	23.71	15.49	.1231
#1	-.0000	.0035	.0040	-.0017	.0007	-.0010	.0009	.0496	179.7
#2	.0004	.0036	.0084	.0011	.0016	.0024	.0006	.0618	179.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0129**	**121.2**	**60.96**	**1020.**	**1.389**	**.0079**	**.0080**	**9.494**	**-.0002**
Stddev	.0024	.1	.05	9.	.009	.0001	.0015	.055	.0001
%RSD	18.47	.0907	.0888	.8750	.6657	1.456	18.34	.5770	73.78
#1	.0112	121.3	60.93	1026.	1.395	.0078	.0091	9.533	-.0001
#2	.0146	121.1	61.00	1014.	1.382	.0080	.0070	9.455	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.743**	**-.0004**	**.0130**	**-.0009**	**97.21**	**-.0027**	**.0677**
Stddev	.003	.0003	.0011	.0002	.49	.0011	.0003
%RSD	.1955	69.19	8.808	25.23	.4997	41.68	.3993
#1	1.740	-.0002	.0138	-.0008	97.55	-.0035	.0679
#2	1.745	-.0006	.0122	-.0011	96.86	-.0019	.0675

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**45944.**	**12686.**	**1562.3**	**2907.2**
Stddev	42.	19.	8.0	15.9
%RSD	.09087	.14602	.51149	.54596
#1	45915.	12673.	1556.7	2896.0
#2	45974.	12699.	1568.0	2918.5

Zoom In Zoom Out

Sample Name: jb68485-2 Acquired: 6/9/2014 15:50:43 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1442**	**-.0000**	**.0002**	**.0005**	**.0010**	**-.0006**	**.0008**	**.0019**	**.0016**
Stddev	.0002	.0000	.0001	.0003	.0001	.0000	.0001	.0001	.0001
%RSD	.1189	95.50	29.64	55.74	14.64	6.341	12.84	5.159	5.027
#1	.1443	-.0000	.0002	.0008	.0009	-.0006	.0007	.0020	.0016
#2	.1441	-.0000	.0002	.0003	.0011	-.0005	.0009	.0019	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0038**	**.0048**	**-.0010**	**.0021**	**.0052**	**-.0014**	**.0666**	**187.7**
Stddev	.0004	.0000	.0015	.0006	.0012	.0002	.0005	.0026	.8
%RSD	170.5	.0141	31.65	57.08	56.21	3.949	37.25	3.974	.4230
#1	-.0005	.0038	.0059	-.0014	.0030	.0053	-.0018	.0685	187.1
#2	.0000	.0038	.0038	-.0006	.0013	.0050	-.0011	.0648	188.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0089**	**126.7**	**61.75**	**969.6**	**1.349**	**.0079**	**.0061**	**9.388**	**-.0016**
Stddev	.0004	.8	.01	3.4	.010	.0005	.0001	.077	.0004
%RSD	4.444	.6281	.0093	.3482	.7624	5.718	2.166	.8162	28.29
#1	.0086	126.2	61.74	967.2	1.356	.0082	.0060	9.442	-.0019
#2	.0092	127.3	61.75	972.0	1.342	.0076	.0062	9.334	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.826**	**.0003**	**.0126**	**-.0013**	**95.98**	**-.0020**	**.0633**
Stddev	.004	.0000	.0013	.0001	.66	.0004	.0006
%RSD	.1991	8.768	10.44	9.020	.6860	17.79	.9031
#1	1.828	.0003	.0135	-.0012	96.45	-.0018	.0629
#2	1.823	.0003	.0116	-.0014	95.51	-.0023	.0637

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**45988.**	**12674.**	**1573.4**	**2926.6**
Stddev	3.	66.	11.8	20.2
%RSD	.00737	.52454	.74688	.68874
#1	45990.	12721.	1565.1	2912.3
#2	45985.	12627.	1581.8	2940.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 15:56:55 Type: QC
Method: Accutest1(v228) 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	**2.106**	**2.085**	**2.092**	**2.100**	**2.142**	**2.023**	**2.139**	**2.137**	**.2523**
Stddev	.000	.007	.011	.015	.002	.003	.002	.010	.0012
%RSD	.0182	.3189	.5270	.7008	.0904	.1522	.1143	.4659	.4737
#1	2.107	2.089	2.100	2.111	2.143	2.025	2.141	2.145	.2532
#2	2.106	2.080	2.084	2.090	2.141	2.021	2.137	2.130	.2515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.160**	**2.084**	**2.168**	**2.154**	**2.055**	**2.079**	**41.01**	**41.36**
Stddev	.000	.012	.008	.009	.011	.007	.009	.02	.13
%RSD	.0057	.5699	.3638	.4000	.4871	.3560	.4271	.0577	.3260
#1	2.069	2.169	2.090	2.174	2.161	2.060	2.085	41.03	41.45
#2	2.069	2.152	2.079	2.162	2.147	2.050	2.072	41.00	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	**40.78**	**40.57**	**41.13**	**40.18**	**2.131**	**2.124**	**2.053**	**5.180**	**2.161**
Stddev	.14	.20	.12	.05	.006	.012	.002	.020	.010
%RSD	.3441	.5001	.2799	.1200	.3028	.5714	.0904	.3923	.4831
#1	40.88	40.72	41.22	40.21	2.136	2.133	2.055	5.194	2.169
#2	40.68	40.43	41.05	40.14	2.127	2.116	2.052	5.165	2.154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 15:56:55 Type: QC
Method: Accutest1(v228) 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	**2.145**	**2.106**	**2.087**	**2.081**	**2.091**	**2.075**	**2.041**
Stddev	.002	.004	.009	.003	.008	.005	.002
%RSD	.1110	.1996	.4067	.1353	.3856	.2475	.0788
#1	2.143	2.109	2.093	2.083	2.097	2.079	2.042
#2	2.147	2.103	2.081	2.079	2.085	2.071	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54872.**	**13130.**	**1844.0**	**3625.0**
Stddev	144.	53.	5.6	11.9
%RSD	.26235	.40614	.30327	.32937
#1	54770.	13092.	1840.1	3616.6
#2	54974.	13168.	1848.0	3633.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 16:02:50 Type: QC
Method: Accutest1(v228) 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**	**.0001**	**.0001**	**.0003**	**.0003**	**.0004**	**.0001**	**.0000**	**-.0000**
Stddev	.0000	.0000	.0000	.0000	.0002	.0003	.0000	.0002	.0004
%RSD	7.809	12.71	45.78	11.41	56.39	90.63	.6706	415.0	1669.
#1	.0002	.0001	.0001	.0003	.0004	.0006	.0001	-.0001	-.0003
#2	.0003	.0002	.0001	.0003	.0002	.0001	.0001	.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**-.0005**	**.0000**	**.0008**	**.0011**	**.0022**	**.0002**	**.0054**	**-.0050**
Stddev	.0002	.0000	.0003	.0004	.0010	.0012	.0006	.0005	.0014
%RSD	26.75	5.256	611.1	48.88	94.86	53.87	266.1	10.05	27.30
#1	.0006	-.0005	-.0001	.0011	.0004	.0014	.0007	.0050	-.0041
#2	.0009	-.0005	.0002	.0005	.0018	.0030	-.0002	.0057	-.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**-.0066**	**.0844**	**.2575**	**.0001**	**.0003**	**-.0007**	**-.0010**	**-.0001**
Stddev	.0004	.0174	.0084	.0029	.0002	.0001	.0007	.0007	.0008
%RSD	11.07	264.7	9.939	1.145	141.5	39.71	105.5	67.93	956.8
#1	.0042	-.0189	.0784	.2596	-.0000	.0004	-.0012	-.0014	-.0007
#2	.0036	.0057	.0903	.2554	.0002	.0002	-.0002	-.0005	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 16:02:50 Type: QC
Method: Accutest1(v228) 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**	**.0017**	**-.0000**	**.0019**	**.0000**	**.0006**
Stddev	.0001	.0003	.0007	.0001	.0000	.0007	.0002
%RSD	44.32	3390.	39.87	381.7	1.554	5363.	27.97
#1	.0001	.0002	.0022	.0001	.0020	.0005	.0005
#2	.0002	-.0002	.0012	-.0001	.0019	-.0005	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58477.**	**13395.**	**1956.2**	**4103.0**
Stddev	69.	48.	13.5	29.1
%RSD	.11781	.35745	.69109	.70823
#1	58526.	13361.	1946.6	4082.4
#2	58428.	13429.	1965.8	4123.5

Zoom In Zoom Out

Sample Name: jb68485-3 Acquired: 6/9/2014 16:09:01 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1506**	**.0000**	**.0004**	**.0010**	**.0011**	**.0740**	**.0437**	**.0114**	**.0029**
Stddev	.0001	.0000	.0002	.0000	.0000	.0000	.0000	.0003	.0006
%RSD	.0928	110.3	38.38	3.496	.6118	.0501	.0291	2.397	20.79
#1	.1507	.0000	.0005	.0009	.0011	.0740	.0437	.0113	.0024
#2	.1505	.0000	.0003	.0010	.0011	.0740	.0437	.0116	.0033

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.8651**	**.0066**	**-.0017**	**.0132**	**.0045**	**-.0016**	**.0744**	**192.2**
Stddev	.0002	.0129	.0019	.0023	.0001	.0033	.0009	.0007	.9
%RSD	16.67	1.489	29.20	136.7	.9510	72.58	59.16	.8968	.4855
#1	.0013	.8742	.0052	-.0033	.0133	.0069	-.0009	.0749	191.5
#2	.0010	.8560	.0079	-.0001	.0131	.0022	-.0022	.0739	192.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0127**	**133.2**	**64.42**	**1023.**	**1.405**	**.0081**	**.0076**	**9.751**	**-.0002**
Stddev	.0007	.8	.03	20.	.019	.0001	.0023	.132	.0008
%RSD	5.247	.6313	.0442	1.960	1.357	.8146	30.08	1.353	362.6
#1	.0123	132.6	64.40	1009.	1.418	.0080	.0092	9.844	-.0007
#2	.0132	133.8	64.44	1037.	1.391	.0081	.0060	9.658	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.913**	**.0000**	**.0161**	**-.0006**	**99.83**	**-.0034**	**.0616**
Stddev	.001	.0003	.0003	.0003	1.30	.0004	.0003
%RSD	.0388	663.8	1.900	53.69	1.304	10.43	.4165
#1	1.914	-.0002	.0159	-.0003	100.7	-.0031	.0618
#2	1.913	.0002	.0164	-.0008	98.91	-.0036	.0614

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**45524.**	**12620.**	**1554.1**	**2889.9**
Stddev	1.	91.	17.6	33.7
%RSD	.00155	.71968	1.1334	1.1657
#1	45524.	12684.	1541.7	2866.1
#2	45525.	12556.	1566.6	2913.7

Zoom In Zoom Out

Sample Name: jb68485-5 Acquired: 6/9/2014 16:15:11 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1263**	**-.0000**	**.0001**	**.0014**	**.0007**	**.0056**	**1.450**	**.0051**	**.0034**
Stddev	.0002	.0001	.0002	.0002	.0003	.0005	.001	.0001	.0001
%RSD	.1330	226.5	136.6	17.00	41.45	8.788	.0946	1.237	3.598
#1	.1264	-.0001	.0003	.0012	.0005	.0053	1.451	.0052	.0035
#2	.1262	.0000	.0000	.0015	.0009	.0060	1.449	.0051	.0033

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.9352**	**.0086**	**.0004**	**.0039**	**.0055**	**-.0009**	**.0924**	**169.6**
Stddev	.0004	.0028	.0007	.0006	.0007	.0016	.0016	.0034	.1
%RSD	42.61	.3026	8.101	140.9	17.22	28.53	177.7	3.645	.0314
#1	.0006	.9372	.0081	.0000	.0044	.0066	.0002	.0948	169.6
#2	.0011	.9332	.0091	.0009	.0034	.0044	-.0021	.0900	169.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4722**	**107.4**	**52.84**	**873.0**	**1.240**	**.0075**	**.0077**	**8.961**	**-.0009**
Stddev	.0042	.2	.04	7.8	.007	.0000	.0008	.068	.0001
%RSD	.8963	.1743	.0662	.8917	.6084	.1064	10.02	.7538	12.87
#1	.4692	107.3	52.86	878.5	1.246	.0075	.0083	9.009	-.0008
#2	.4752	107.5	52.81	867.5	1.235	.0076	.0072	8.913	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.624**	**.0019**	**.0150**	**.0001**	**93.03**	**-.0023**	**.0464**
Stddev	.005	.0001	.0004	.0003	.56	.0002	.0008
%RSD	.2884	3.925	2.586	219.5	.5985	8.028	1.623
#1	1.627	.0020	.0147	-.0001	93.43	-.0025	.0470
#2	1.620	.0019	.0153	.0003	92.64	-.0022	.0459

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**45990.**	**12520.**	**1567.8**	**2929.1**
Stddev	28.	30.	10.8	19.5
%RSD	.06155	.24292	.69082	.66732
#1	45970.	12542.	1560.1	2915.3
#2	46010.	12499.	1575.5	2942.9

Zoom In Zoom Out

Sample Name: jb68499-1 Acquired: 6/9/2014 16:21:21 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1448**	**.0006**	**.0004**	**.0077**	**.0008**	**.0146**	**.1777**	**.0047**	**-.0007**
Stddev	.0011	.0000	.0000	.0000	.0000	.0002	.0010	.0001	.0003
%RSD	.7254	2.056	4.374	.0182	2.101	1.595	.5496	2.243	47.10
#1	.1455	.0006	.0003	.0077	.0008	.0144	.1784	.0046	-.0010
#2	.1440	.0006	.0004	.0077	.0008	.0148	.1770	.0048	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0305**	**.0067**	**-.0004**	**.0042**	**.0011**	**-.0014**	**1.944**	**47.52**
Stddev	.0003	.0000	.0011	.0016	.0006	.0014	.0006	.018	.20
%RSD	62.32	.0595	15.75	359.1	14.92	124.3	45.73	.9203	.4303
#1	.0007	.0305	.0059	-.0016	.0037	.0021	-.0019	1.956	47.67
#2	.0003	.0305	.0074	.0007	.0046	.0001	-.0010	1.931	47.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5665**	**11.49**	**6.428**	**160.7**	**.0187**	**.0004**	**-.0004**	**3.237**	**-.0001**
Stddev	.0024	.11	.048	.7	.0001	.0003	.0010	.015	.0012
%RSD	.4232	.9234	.7408	.4417	.4786	67.09	253.6	.4735	1005.
#1	.5682	11.57	6.461	160.2	.0188	.0006	.0003	3.247	.0007
#2	.5649	11.42	6.394	161.2	.0187	.0002	-.0011	3.226	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2537**	**.0047**	**.0045**	**.0019**	**8.253**	**-.0025**	**.0034**
Stddev	.0015	.0004	.0007	.0001	.030	.0004	.0002
%RSD	.5919	7.914	15.66	3.992	.3647	17.16	6.605
#1	.2547	.0044	.0040	.0019	8.275	-.0028	.0032
#2	.2526	.0049	.0050	.0020	8.232	-.0022	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57562.**	**14085.**	**1946.3**	**3561.5**
Stddev	112.	27.	9.3	9.0
%RSD	.19429	.19185	.47559	.25244
#1	57483.	14066.	1939.8	3555.2
#2	57641.	14104.	1952.9	3567.9

Zoom In Zoom Out

Sample Name: jb68499-3 Acquired: 6/9/2014 16:27:30 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1294**	**.0004**	**.0001**	**.0036**	**.0009**	**.0033**	**.0368**	**.0044**	**-.0006**
Stddev	.0002	.0001	.0000	.0002	.0001	.0000	.0002	.0000	.0005
%RSD	.1575	12.38	7.856	4.590	12.54	.2037	.6173	.0963	87.89
#1	.1292	.0005	.0001	.0037	.0010	.0033	.0366	.0044	-.0002
#2	.1295	.0004	.0001	.0035	.0008	.0033	.0369	.0044	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0302**	**.0036**	**-.0006**	**.0029**	**.0045**	**-.0009**	**1.568**	**16.72**
Stddev	.0001	.0000	.0010	.0001	.0001	.0021	.0003	.004	.04
%RSD	24.45	.0333	28.18	23.85	3.444	46.61	34.95	.2203	.2209
#1	.0005	.0302	.0043	-.0005	.0030	.0060	-.0011	1.565	16.69
#2	.0007	.0302	.0029	-.0007	.0029	.0030	-.0007	1.570	16.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4262**	**5.192**	**1.279**	**34.64**	**.0189**	**.0003**	**.0029**	**4.508**	**-.0000**
Stddev	.0035	.017	.013	.06	.0001	.0002	.0019	.044	.0000
%RSD	.8096	.3218	1.027	.1739	.4263	54.32	66.24	.9882	155.7
#1	.4238	5.203	1.288	34.60	.0189	.0005	.0042	4.539	.0000
#2	.4286	5.180	1.270	34.68	.0190	.0002	.0015	4.476	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0710**	**.0038**	**.0047**	**.0028**	**4.996**	**-.0011**	**.0021**
Stddev	.0000	.0004	.0005	.0000	.027	.0007	.0004
%RSD	.0049	9.394	11.21	.7917	.5456	64.29	17.79
#1	.0710	.0041	.0051	.0028	5.016	-.0015	.0018
#2	.0710	.0036	.0044	.0028	4.977	-.0006	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60768.**	**14450.**	**2028.3**	**3850.6**
Stddev	62.	24.	16.6	29.1
%RSD	.10221	.16830	.81682	.75700
#1	60812.	14467.	2016.6	3830.0
#2	60724.	14432.	2040.0	3871.2

Zoom In Zoom Out

Sample Name: jb68499-4 Acquired: 6/9/2014 16:33:34 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0255**	**.0000**	**.0000**	**.0004**	**.0039**	**.0045**	**.0263**	**.0015**	**.0005**
Stddev	.0002	.0000	.0000	.0001	.0001	.0002	.0001	.0001	.0005
%RSD	.9691	83.51	101.7	37.31	3.282	4.196	.3362	6.372	108.7
#1	.0257	.0000	.0000	.0005	.0038	.0044	.0263	.0014	.0001
#2	.0253	.0000	.0000	.0003	.0040	.0046	.0262	.0015	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0133**	**.0006**	**-.0020**	**.0013**	**.0019**	**.0000**	**1.432**	**15.30**
Stddev	.0002	.0003	.0006	.0022	.0005	.0002	.0002	.010	.12
%RSD	3.614	1.989	97.93	107.1	36.58	11.68	7573.	.7161	.7785
#1	.0052	.0135	.0002	-.0035	.0016	.0018	.0001	1.439	15.39
#2	.0055	.0131	.0011	-.0005	.0010	.0021	-.0001	1.425	15.22

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.940**	**2.837**	**4.367**	**13.94**	**.0253**	**.0019**	**.0022**	**2.432**	**-.0003**
Stddev	.016	.013	.042	.07	.0007	.0000	.0001	.018	.0000
%RSD	.5309	.4670	.9528	.5025	2.822	2.116	5.141	.7458	1.603
#1	2.951	2.846	4.397	13.99	.0258	.0018	.0021	2.445	-.0003
#2	2.929	2.828	4.338	13.89	.0248	.0019	.0022	2.419	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0779**	**.0265**	**.0031**	**.0032**	**7.952**	**-.0016**	**.0011**
Stddev	.0003	.0002	.0003	.0002	.056	.0004	.0006
%RSD	.3737	.7378	9.193	5.408	.7047	24.38	49.77
#1	.0781	.0266	.0033	.0033	7.992	-.0013	.0015
#2	.0777	.0263	.0029	.0030	7.912	-.0018	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56579.**	**13345.**	**1878.8**	**3862.4**
Stddev	207.	110.	10.2	22.7
%RSD	.36499	.82432	.54046	.58734
#1	56433.	13267.	1871.6	3846.4
#2	56725.	13422.	1886.0	3878.4

Zoom In Zoom Out

Sample Name: jb68499-5 Acquired: 6/9/2014 16:39:37 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0838**	**.0002**	**.0001**	**.0005**	**.0006**	**.0279**	**.0480**	**.0094**	**.0010**
Stddev	.0003	.0001	.0001	.0001	.0001	.0000	.0001	.0001	.0001
%RSD	.3548	28.44	55.13	24.01	20.85	.0373	.2400	1.048	6.645
#1	.0840	.0002	.0002	.0004	.0006	.0279	.0479	.0095	.0011
#2	.0835	.0002	.0001	.0006	.0005	.0279	.0481	.0094	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0656**	**.0010**	**.0002**	**.0036**	**.0029**	**.0002**	**.1982**	**9.897**
Stddev	.0003	.0004	.0001	.0003	.0005	.0011	.0001	.0030	.027
%RSD	1978.	.5964	6.279	149.9	15.05	39.82	48.17	1.532	.2705
#1	.0002	.0659	.0011	-.0000	.0040	.0021	.0001	.2003	9.916
#2	-.0002	.0654	.0010	.0005	.0032	.0037	.0002	.1960	9.879

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1575**	**5.032**	**5.130**	**43.04**	**.0493**	**.0003**	**.0058**	**5.529**	**-.0003**
Stddev	.0001	.001	.020	.03	.0000	.0001	.0004	.022	.0004
%RSD	.0752	.0186	.3843	.0610	.1001	31.51	7.262	.4001	148.1
#1	.1576	5.033	5.144	43.06	.0493	.0003	.0061	5.544	-.0006
#2	.1574	5.031	5.116	43.03	.0493	.0004	.0055	5.513	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0414**	**.0009**	**.0066**	**.0005**	**5.897**	**-.0006**	**.0011**
Stddev	.0000	.0003	.0005	.0000	.015	.0000	.0005
%RSD	.0352	29.84	8.234	8.252	.2485	.5177	44.83
#1	.0414	.0007	.0070	.0005	5.907	-.0006	.0007
#2	.0415	.0011	.0062	.0004	5.886	-.0006	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57040.**	**13554.**	**1897.7**	**3840.4**
Stddev	1.	18.	5.9	8.2
%RSD	.00246	.13536	.31029	.21443
#1	57039.	13541.	1893.5	3834.6
#2	57041.	13567.	1901.9	3846.3

Zoom In Zoom Out

Sample Name: jb68503-1 Acquired: 6/9/2014 16:45:42 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0568**	**.0000**	**.0002**	**.0119**	**.0073**	**.0179**	**5.552**	**.0126**	**.0022**
Stddev	.0001	.0000	.0001	.0003	.0000	.0001	.029	.0001	.0003
%RSD	.1557	26.07	41.61	2.381	.4492	.6650	.5148	.9810	13.59
#1	.0568	.0000	.0002	.0117	.0073	.0180	5.532	.0125	.0024
#2	.0569	.0000	.0003	.0121	.0073	.0178	5.573	.0127	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0097**	**.0368**	**.0233**	**-.0000**	**.0113**	**.0023**	**-.0002**	**4.630**	**65.28**
Stddev	.0000	.0003	.0008	.0009	.0003	.0007	.0002	.022	.05
%RSD	.2398	.9040	3.593	11900.	3.001	32.03	83.45	.4835	.0806
#1	.0097	.0366	.0227	-.0007	.0116	.0028	-.0001	4.615	65.31
#2	.0097	.0371	.0239	.0006	.0111	.0018	-.0003	4.646	65.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**13.32**	**13.62**	**37.50**	**51.49**	**.0398**	**.0041**	**.0132**	**13.84**	**-.0018**
Stddev	.02	.07	.01	.05	.0013	.0001	.0001	.10	.0005
%RSD	.1837	.5284	.0239	.0912	3.272	1.631	.5605	.7148	28.48
#1	13.34	13.57	37.49	51.52	.0389	.0041	.0133	13.77	-.0014
#2	13.30	13.67	37.51	51.46	.0407	.0041	.0132	13.91	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4922**	**.0786**	**.0145**	**.0055**	**6.424**	**-.0020**	**.0088**
Stddev	.0005	.0055	.0004	.0001	.050	.0000	.0002
%RSD	.1007	7.017	2.540	.9357	.7844	1.470	1.827
#1	.4918	.0825	.0147	.0055	6.388	-.0020	.0089
#2	.4925	.0747	.0142	.0055	6.459	-.0020	.0087

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54424.**	**13116.**	**1823.5**	**3614.0**
Stddev	177.	2.	12.9	25.5
%RSD	.32582	.01353	.70937	.70654
#1	54549.	13114.	1832.7	3632.1
#2	54299.	13117.	1814.4	3596.0

Zoom In Zoom Out

Sample Name: jb68503-2 Acquired: 6/9/2014 16:51:46 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: } Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1160**	**.0008**	**.0009**	**.0883**	**.0279**	**.0513**	**1.985**	**.0401**	**.0023**
Stddev	.0001	.0001	.0002	.0005	.0002	.0001	.005	.0007	.0003
%RSD	.1290	10.25	22.07	.5182	.7265	.1070	.2597	1.747	14.13
#1	.1161	.0008	.0010	.0886	.0281	.0514	1.989	.0406	.0021
#2	.1159	.0009	.0007	.0879	.0278	.0513	1.982	.0396	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0287**	**.1260**	**.0305**	**-.0007**	**.0391**	**.0063**	**.0006**	**18.26**	**62.20**
Stddev	.0002	.0015	.0005	.0002	.0001	.0004	.0004	.05	.38
%RSD	.6220	1.216	1.588	29.89	.3469	6.993	75.63	.2956	.6179
#1	.0286	.1270	.0308	-.0009	.0392	.0066	.0003	18.30	61.93
#2	.0288	.1249	.0301	-.0006	.0390	.0060	.0009	18.22	62.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**31.23**	**20.47**	**68.49**	**66.08**	**.0627**	**.0073**	**.0323**	**32.67**	**-.0040**
Stddev	.10	.01	.01	.02	.0007	.0000	.0010	.45	.0014
%RSD	.3085	.0630	.0166	.0365	1.098	.2506	2.984	1.381	35.03
#1	31.16	20.46	68.50	66.10	.0632	.0074	.0330	32.98	-.0030
#2	31.30	20.48	68.48	66.06	.0623	.0073	.0316	32.35	-.0049

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5458**	**.2151**	**.0312**	**.0141**	**11.74**	**-.0031**	**.0298**
Stddev	.0001	.0042	.0001	.0001	.11	.0006	.0003
%RSD	.0273	1.974	.2500	1.018	.9067	17.63	1.032
#1	.5459	.2121	.0312	.0140	11.82	-.0027	.0300
#2	.5457	.2182	.0311	.0142	11.67	-.0035	.0295

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**54918.**	**13348.**	**1844.3**	**3563.3**
Stddev	2.	62.	15.4	30.5
%RSD	.00327	.46490	.83457	.85707
#1	54916.	13392.	1833.4	3541.7
#2	54919.	13304.	1855.2	3584.9

Zoom In Zoom Out

Sample Name: jb68503-3 Acquired: 6/9/2014 16:57:47 Type: Unk
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: SPECTRA Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0750**	**.0003**	**.0003**	**.0089**	**.0127**	**.0246**	**1.386**	**.0178**	**.0017**
Stddev	.0001	.0001	.0000	.0001	.0003	.0001	.002	.0003	.0002
%RSD	.1572	26.26	3.451	1.233	2.294	.5359	.1378	1.537	10.11
#1	.0749	.0002	.0003	.0090	.0125	.0247	1.387	.0180	.0018
#2	.0751	.0003	.0003	.0088	.0129	.0245	1.385	.0176	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0141**	**.0544**	**.0216**	**-.0024**	**.0142**	**.0044**	**.0006**	**7.786**	**53.48**
Stddev	.0003	.0004	.0007	.0017	.0006	.0002	.0009	.021	.03
%RSD	1.775	.7630	3.157	69.48	3.967	3.729	161.7	.2749	.0565
#1	.0139	.0547	.0211	-.0012	.0138	.0045	-.0001	7.770	53.51
#2	.0143	.0541	.0220	-.0036	.0145	.0043	.0012	7.801	53.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.74**	**15.40**	**52.25**	**61.12**	**.0425**	**.0035**	**.0171**	**17.17**	**-.0029**
Stddev	.01	.02	.14	.12	.0005	.0003	.0003	.16	.0011
%RSD	.0405	.1276	.2637	.1914	1.168	7.383	1.820	.9604	38.71
#1	15.75	15.39	52.15	61.03	.0429	.0037	.0169	17.29	-.0021
#2	15.74	15.42	52.35	61.20	.0422	.0033	.0173	17.06	-.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5842**	**.0651**	**.0175**	**.0078**	**7.348**	**-.0015**	**.0143**
Stddev	.0003	.0011	.0013	.0007	.076	.0005	.0002
%RSD	.0557	1.741	7.702	8.420	1.030	29.19	1.611
#1	.5839	.0643	.0185	.0074	7.401	-.0019	.0142
#2	.5844	.0659	.0165	.0083	7.294	-.0012	.0145

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55852.**	**13566.**	**1869.4**	**3674.7**
Stddev	14.	31.	16.7	31.0
%RSD	.02579	.22525	.89080	.84272
#1	55842.	13588.	1857.6	3652.8
#2	55862.	13545.	1881.2	3696.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 17:03:53 Type: QC
Method: Accutest1(v228) 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	**2.137**	**2.100**	**2.068**	**2.086**	**2.178**	**2.043**	**2.183**	**2.125**	**.2551**
Stddev	.004	.010	.010	.006	.009	.003	.011	.003	.0010
%RSD	.1830	.4665	.4643	.2735	.4131	.1512	.5212	.1165	.3808
#1	2.139	2.107	2.075	2.090	2.184	2.045	2.192	2.127	.2544
#2	2.134	2.093	2.061	2.082	2.171	2.041	2.175	2.123	.2558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.147**	**2.065**	**2.157**	**2.142**	**2.037**	**2.054**	**41.52**	**41.74**
Stddev	.007	.002	.004	.002	.001	.009	.007	.10	.06
%RSD	.3400	.0889	.1928	.1130	.0596	.4424	.3210	.2507	.1477
#1	2.110	2.146	2.068	2.158	2.143	2.044	2.059	41.60	41.78
#2	2.100	2.149	2.062	2.155	2.141	2.031	2.050	41.45	41.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.04**	**40.92**	**41.83**	**41.47**	**2.109**	**2.101**	**2.067**	**5.136**	**2.142**
Stddev	.06	.01	.13	.16	.012	.008	.005	.025	.006
%RSD	.1481	.0154	.2996	.3956	.5657	.3665	.2390	.4805	.2729
#1	41.08	40.92	41.92	41.58	2.117	2.106	2.063	5.153	2.146
#2	40.99	40.91	41.74	41.35	2.100	2.095	2.070	5.119	2.137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 17:03:53 Type: QC
Method: Accutest1(v228) 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	**2.175**	**2.134**	**2.066**	**2.111**	**2.067**	**2.047**	**2.069**
Stddev	.006	.007	.005	.006	.004	.011	.006
%RSD	.2640	.3127	.2532	.2645	.2125	.5326	.2875
#1	2.179	2.139	2.070	2.115	2.070	2.055	2.073
#2	2.171	2.129	2.063	2.107	2.064	2.039	2.065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54131.**	**12952.**	**1863.9**	**3652.1**
Stddev	242.	19.	10.7	17.8
%RSD	.44672	.15015	.57640	.48771
#1	53960.	12938.	1856.3	3639.5
#2	54302.	12966.	1871.5	3664.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 17:09:49 Type: QC
Method: Accutest1(v228) 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**	**.0002**	**.0001**	**.0005**	**.0001**	**.0003**	**-.0001**	**.0004**
Stddev	.0000	.0002	.0000	.0001	.0003	.0007	.0000	.0000	.0004
%RSD	.5576	71.93	.4822	152.3	48.93	596.9	10.08	18.86	115.0
#1	.0004	.0001	.0002	-.0000	.0007	-.0004	.0003	-.0001	.0001
#2	.0004	.0004	.0002	.0002	.0003	.0006	.0003	-.0001	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0003**	**-.0003**	**.0001**	**.0009**	**.0023**	**.0005**	**.0073**	**-.0008**
Stddev	.0005	.0000	.0004	.0002	.0001	.0020	.0005	.0068	.0077
%RSD	130.4	6.154	145.3	293.4	13.75	86.23	98.76	92.85	956.7
#1	.0007	-.0004	.0000	.0002	.0010	.0038	.0008	.0025	-.0063
#2	.0000	-.0003	-.0006	-.0001	.0008	.0009	.0001	.0121	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0068**	**.0175**	**.0555**	**.1069**	**-.0002**	**.0005**	**-.0003**	**-.0010**	**.0009**
Stddev	.0032	.0019	.0096	.0053	.0003	.0000	.0004	.0002	.0002
%RSD	46.35	10.88	17.36	4.913	158.0	9.340	138.8	23.16	25.83
#1	.0046	.0162	.0487	.1032	.0000	.0005	-.0006	-.0012	.0011
#2	.0091	.0189	.0623	.1107	-.0004	.0004	-.0000	-.0008	.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: 6/9/2014 17:09:49 Type: QC
Method: Accutest1(v228) 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**	**.0003**	**.0015**	**.0002**	**.0013**	**.0010**	**.0005**
Stddev	.0002	.0003	.0008	.0000	.0007	.0000	.0006
%RSD	45.36	111.1	51.41	9.940	54.04	4.751	109.3
#1	.0003	.0001	.0020	.0002	.0008	.0011	.0010
#2	.0005	.0005	.0010	.0002	.0018	.0010	.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	**59402.**	**13489.**	**1990.5**	**4159.6**
Stddev	76.	75.	1.4	3.7
%RSD	.12870	.55767	.07074	.08928
#1	59348.	13435.	1989.5	4157.0
#2	59456.	13542.	1991.5	4162.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/9/2014 17:15:59 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2174**	**.0021**	**.0034**	**.0540**	**.0117**	**.0109**	**.0171**	**.0107**	**.0063**
Stddev	.0005	.0000	.0000	.0001	.0003	.0003	.0002	.0001	.0008
%RSD	.2206	.5607	.5446	.1693	2.681	2.871	.9985	1.206	11.85
#1	.2178	.0021	.0034	.0539	.0115	.0107	.0173	.0106	.0069
#2	.2171	.0021	.0034	.0540	.0119	.0111	.0170	.0107	.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	**.0555**	**.0241**	**.0097**	**.0107**	**.0029**	**.0122**	**.0059**	**.2137**	**5.318**
Stddev	.0001	.0000	.0003	.0007	.0004	.0004	.0008	.0075	.008
%RSD	.2500	.1304	2.971	6.515	15.33	3.454	13.61	3.512	.1512
#1	.0556	.0241	.0099	.0112	.0032	.0125	.0053	.2190	5.312
#2	.0554	.0241	.0095	.0102	.0026	.0119	.0064	.2084	5.323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1115**	**5.291**	**5.253**	**5.193**	**.1107**	**.0226**	**.0576**	**.2164**	**.0116**
Stddev	.0001	.017	.026	.008	.0008	.0001	.0015	.0002	.0000
%RSD	.1129	.3211	.4913	.1625	.7517	.2828	2.531	.0998	.2898
#1	.1114	5.279	5.271	5.199	.1101	.0226	.0565	.2166	.0116
#2	.1116	5.303	5.235	5.187	.1112	.0225	.0586	.2162	.0115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/9/2014 17:15:59 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0114**	**.0109**	**.0536**	**.0111**	**.0543**	**.0221**	**.0214**
Stddev	.0001	.0006	.0007	.0001	.0001	.0000	.0001
%RSD	.7089	5.293	1.218	1.188	.1505	.1016	.3056
#1	.0115	.0105	.0532	.0112	.0543	.0220	.0213
#2	.0114	.0113	.0541	.0110	.0544	.0221	.0214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57434.**	**13217.**	**1929.5**	**3974.2**
Stddev	99.	26.	6.4	11.2
%RSD	.17242	.19995	.33320	.28205
#1	57364.	13198.	1925.0	3966.2
#2	57504.	13235.	1934.0	3982.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/9/2014 17:22:08 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.0011**	**.0011**	**.0030**	**.0021**	**.0024**	**.0034**	**.0044**
Stddev	.0001	.0001	.0000	.0001	.0003	.0000	.0000	.0002
%RSD	1.318	5.445	2.757	2.920	12.17	.6264	.8128	4.001
#1	.0045	.0011	.0010	.0029	.0019	.0024	.0034	.0046
#2	.0044	.0011	.0011	.0031	.0023	.0024	.0033	.0043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0023**	**.0125**	**.0033**	F **.0032**	**.0031**	F **.0068**	**.0036**
Stddev	.0002	.0003	.0001	.0004	.0006	.0001	.0016	.0004
%RSD	20.42	13.19	.8862	13.31	17.37	2.515	23.99	11.93
#1	.0010	.0025	.0124	.0037	.0036	.0031	.0079	.0039
#2	.0014	.0021	.0126	.0030	.0028	.0032	.0056	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value					.0020		.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	**.1082**	**1.075**	**.0054**	**.1133**	**2.110**	**1.116**	**.0099**	**.0001**
Stddev	.0015	.003	.0008	.0003	.020	.004	.0006	.0001
%RSD	1.420	.2513	15.72	.2450	.9576	.3101	5.647	58.05
#1	.1071	1.073	.0060	.1131	2.096	1.114	.0103	.0001
#2	.1093	1.077	.0048	.1135	2.124	1.119	.0095	.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: 6/9/2014 17:22:08 Type: QC
Method: Accutest1(v228) 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**	**-.0041**	**.0002**	**-.0000**	**-.0002**	F **.0007**	F **-.0000**	F **.0001**
Stddev	.0006	.0001	.0012	.0001	.0005	.0006	.0001	.0008
%RSD	73.78	3.498	585.4	6453.	318.3	83.43	245.5	845.4
#1	-.0004	-.0040	-.0006	-.0001	-.0005	.0012	.0000	-.0005
#2	-.0012	-.0042	.0011	.0001	.0002	.0003	-.0001	.0007
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0002**	F **.0006**
Stddev	.0001	.0004
%RSD	35.06	66.14
#1	-.0001	.0008
#2	-.0002	.0003
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58468.**	**13395.**	**1955.0**	**4077.5**
Stddev	71.	14.	3.3	9.2
%RSD	.12148	.10683	.17035	.22665
#1	58519.	13385.	1952.6	4071.0
#2	58418.	13405.	1957.3	4084.0

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 17:28:19 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**.0000**	**.0002**	**.0002**	**.0001**	**-.0001**	**.0006**
Stddev	.0002	.0001	.0001	.0001	.0001	.0001	.0001	.0003	.0004
%RSD	392.9	158.8	70.16	573.9	65.88	80.66	57.42	494.2	74.83
#1	-.0001	-.0000	.0000	-.0000	.0001	.0001	.0001	.0002	.0009
#2	.0002	.0001	.0001	.0001	.0003	.0003	.0001	-.0003	.0003
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0001**	**.0198**	**-.0005**	**.0229**	**.0240**	**.0191**	**.5129**	**-.0100**
Stddev	.0001	.0001	.0002	.0017	.0000	.0010	.0000	.0038	.0018
%RSD	32.10	91.78	.8033	366.7	.0242	4.010	.1956	.7451	17.95
#1	.0003	-.0000	.0197	.0008	.0229	.0233	.0190	.5102	-.0113
#2	.0005	-.0001	.0200	-.0017	.0229	.0247	.0191	.5156	-.0088
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	**.5304**	**.0086**	**.0366**	**.0530**	**-.0014**	**.0001**	**-.0001**	**-.0038**	**.0001**
Stddev	.0018	.0101	.0078	.0030	.0000	.0002	.0004	.0001	.0012
%RSD	.3368	117.3	21.33	5.716	2.636	217.9	483.6	2.097	1234.
#1	.5317	.0015	.0421	.0508	-.0015	.0002	.0002	-.0038	-.0007
#2	.5292	.0157	.0310	.0551	-.0014	-.0000	-.0003	-.0039	.0009
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 17:28:19 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0000**	**-.0002**	**-.0001**	**.0003**	**-.0004**
Stddev	.0000	.0001	.0002	.0001	.0005	.0004	.0003
%RSD	2348.	99.77	504.9	47.16	320.6	140.3	83.57
#1	-.0000	-.0002	.0002	-.0002	.0002	.0000	-.0002
#2	.0000	-.0000	-.0001	-.0001	-.0005	.0006	-.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	**58842.**	**13343.**	**1974.8**	**4120.0**
Stddev	113.	45.	2.8	8.6
%RSD	.19217	.33729	.14020	.20869
#1	58922.	13311.	1972.9	4113.9
#2	58762.	13375.	1976.8	4126.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 6/9/2014 17:34:30 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0000**	**.0009**	**.0006**	**.0007**	**.0030**	**.0133**	**-.0012**	**.0035**
Stddev	.0003	.0001	.0001	.0001	.0002	.0002	.0000	.0006	.0009
%RSD	23.51	703.6	14.42	9.923	27.09	7.480	.1963	52.91	26.59
#1	-.0009	.0001	.0010	.0006	.0008	.0031	.0133	-.0008	.0042
#2	-.0013	-.0001	.0008	.0006	.0005	.0028	.0134	-.0016	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0000**	**-.0025**	**.0013**	**.0037**	**.0047**	**.0104**	**519.1**	**397.9**
Stddev	.0007	.0003	.0036	.0011	.0020	.0035	.0015	1.2	.9
%RSD	34.88	593.6	145.2	85.23	54.65	73.85	14.18	.2312	.2168
#1	.0015	.0003	.0001	.0005	.0023	.0072	.0114	518.2	397.3
#2	.0025	-.0002	-.0050	.0021	.0051	.0023	.0093	519.9	398.5
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	**192.0**	**541.8**	**.2982**	**.2524**	**-.0022**	**-.0012**	**-.0019**	**-.0036**	**-.0023**
Stddev	.3	.5	.0043	.0077	.0005	.0002	.0001	.0020	.0009
%RSD	.1447	.0996	1.447	3.049	22.71	12.80	5.122	55.97	39.56
#1	191.8	541.4	.3012	.2469	-.0018	-.0014	-.0018	-.0050	-.0016
#2	192.2	542.2	.2951	.2578	-.0025	-.0011	-.0019	-.0022	-.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 6/9/2014 17:34:30 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0057**	**.0007**	**-.0349**	**-.0134**	**.0042**
Stddev	.0002	.0002	.0004	.0001	.0041	.0003	.0007
%RSD	3.585	20.63	7.762	7.479	11.63	1.892	17.34
#1	-.0046	.0007	.0054	.0007	-.0320	-.0136	.0047
#2	-.0049	.0010	.0060	.0008	-.0377	-.0132	.0036
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	**49988.**	**12303.**	**1700.1**	**3182.0**
Stddev	145.	29.	11.1	20.1
%RSD	.28936	.23343	.65475	.63241
#1	50091.	12324.	1692.3	3167.8
#2	49886.	12283.	1708.0	3196.3

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/9/2014 17:40:42 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5388**	**.5124**	**1.053**	**.5013**	**.4989**	**.5397**	**.5231**	**1.010**	**1.042**
Stddev	.0015	.0022	.002	.0002	.0003	.0015	.0017	.003	.003
%RSD	.2836	.4204	.1455	.0482	.0692	.2799	.3224	.2708	.3191
#1	.5399	.5139	1.054	.5015	.4987	.5387	.5243	1.012	1.044
#2	.5377	.5108	1.052	.5011	.4992	.5408	.5219	1.008	1.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4863**	**1.005**	**1.111**	**1.004**	**1.005**	**1.087**	**1.080**	**525.3**	**396.1**
Stddev	.0005	.004	.000	.003	.001	.008	.002	.3	.7
%RSD	.1054	.4207	.0076	.3109	.0648	.7619	.2210	.0646	.1653
#1	.4866	1.008	1.111	1.007	1.005	1.081	1.078	525.6	396.6
#2	.4859	1.002	1.111	1.002	1.004	1.093	1.082	525.1	395.6
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	**194.7**	**536.4**	**.2787**	**.2046**	**.0013**	**.5081**	**.5646**	**-.0026**	**-.0026**
Stddev	.1	1.0	.0087	.0025	.0005	.0003	.0005	.0000	.0006
%RSD	.0426	.1863	3.123	1.240	36.68	.0559	.0798	.2418	23.40
#1	194.8	537.1	.2849	.2064	.0016	.5079	.5649	-.0026	-.0030
#2	194.6	535.7	.2726	.2028	.0010	.5083	.5643	-.0026	-.0022
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/9/2014 17:40:42 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0046**	**.0007**	**.5485**	F **.0010**	**.4796**	**.5151**	**.5653**
Stddev	.0000	.0001	.0005	.0003	.0038	.0005	.0014
%RSD	1.044	11.95	.0944	27.61	.7972	.0892	.2516
#1	-.0046	.0007	.5481	.0012	.4823	.5148	.5663
#2	-.0047	.0008	.5488	.0008	.4769	.5154	.5643
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.5000			
Range				-20.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**49954.**	**12334.**	**1691.6**	**3180.4**
Stddev	22.	14.	3.0	6.0
%RSD	.04455	.11389	.17773	.18853
#1	49938.	12324.	1689.5	3176.1
#2	49970.	12344.	1693.7	3184.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 17:46:46 Type: QC
Method: Accutest1(v228) 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	**2.133**	**2.102**	**2.109**	**2.132**	**2.175**	**2.041**	**2.176**	**2.168**	**.2565**
Stddev	.002	.001	.004	.005	.007	.001	.006	.005	.0004
%RSD	.1091	.0262	.1989	.2311	.3083	.0570	.2678	.2451	.1620
#1	2.131	2.103	2.112	2.135	2.171	2.042	2.172	2.172	.2568
#2	2.135	2.102	2.106	2.128	2.180	2.040	2.180	2.164	.2562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	F **2.204**	**2.105**	F **2.210**	**2.183**	**2.071**	**2.085**	**41.42**	**41.86**
Stddev	.005	.005	.005	.006	.002	.004	.005	.02	.05
%RSD	.2413	.2108	.2218	.2714	.0957	.1698	.2415	.0596	.1260
#1	2.101	2.207	2.108	2.214	2.185	2.073	2.089	41.40	41.82
#2	2.109	2.200	2.101	2.206	2.182	2.068	2.082	41.44	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	**41.10**	**41.02**	**41.86**	**41.56**	**2.143**	**2.146**	**2.069**	**5.230**	**2.189**
Stddev	.02	.00	.06	.05	.004	.006	.005	.017	.001
%RSD	.0381	.0047	.1479	.1270	.2094	.3041	.2563	.3304	.0528
#1	41.11	41.02	41.82	41.53	2.146	2.150	2.073	5.242	2.190
#2	41.09	41.03	41.90	41.60	2.140	2.141	2.065	5.218	2.188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 17:46:46 Type: QC
Method: Accutest1(v228) 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	**2.182**	**2.132**	**2.114**	**2.109**	**2.104**	**2.081**	**2.048**
Stddev	.001	.000	.006	.001	.007	.004	.004
%RSD	.0469	.0146	.2768	.0482	.3410	.1663	.1936
#1	2.182	2.132	2.118	2.109	2.109	2.084	2.045
#2	2.181	2.131	2.110	2.108	2.099	2.079	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54378.**	**12802.**	**1842.8**	**3607.8**
Stddev	30.	15.	3.2	8.9
%RSD	.05490	.11490	.17261	.24597
#1	54356.	12812.	1840.5	3601.5
#2	54399.	12792.	1845.0	3614.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 17:54:03 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.122**	**2.094**	**2.094**	**2.117**	**2.171**	**2.023**	**2.172**	**2.162**	**.2537**
Stddev	.004	.008	.007	.006	.003	.003	.009	.005	.0008
%RSD	.1714	.3766	.3238	.2890	.1337	.1497	.4077	.2360	.3002
#1	2.125	2.100	2.099	2.121	2.169	2.021	2.165	2.166	.2543
#2	2.120	2.089	2.089	2.112	2.173	2.025	2.178	2.159	.2532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.185**	**2.089**	**2.184**	**2.181**	**2.064**	**2.078**	**41.33**	**41.76**
Stddev	.009	.006	.007	.004	.006	.009	.008	.13	.17
%RSD	.4511	.2679	.3307	.2028	.2749	.4512	.3875	.3244	.3974
#1	2.084	2.189	2.094	2.187	2.185	2.071	2.084	41.43	41.88
#2	2.098	2.181	2.084	2.181	2.177	2.058	2.072	41.24	41.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.88**	**41.17**	**41.69**	**41.39**	**2.129**	**2.121**	**2.052**	**5.187**	**2.180**
Stddev	.14	.18	.17	.09	.006	.010	.004	.024	.007
%RSD	.3427	.4268	.4148	.2176	.2965	.4816	.1689	.4604	.3070
#1	40.97	41.30	41.81	41.45	2.134	2.128	2.055	5.204	2.185
#2	40.78	41.05	41.57	41.32	2.125	2.113	2.050	5.170	2.176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 17:54:03 Type: QC
Method: Accutest1(v228) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.161**	**2.122**	**2.089**	**2.098**	**2.093**	**2.063**	**2.040**
Stddev	.004	.001	.005	.003	.009	.012	.005
%RSD	.2084	.0236	.2193	.1297	.4292	.5630	.2269
#1	2.165	2.122	2.092	2.096	2.099	2.071	2.044
#2	2.158	2.122	2.085	2.100	2.087	2.055	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54610.**	**12785.**	**1858.2**	**3633.8**
Stddev	58.	60.	7.2	12.0
%RSD	.10544	.47313	.38616	.33122
#1	54650.	12742.	1853.2	3625.3
#2	54569.	12828.	1863.3	3642.4

Sample Name: ccb Acquired: 6/9/2014 17:59:59 Type: QC
Method: Accutest1(v228) 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**	**.0003**	**-.0002**	**.0000**	**.0001**	**.0000**	**.0006**
Stddev	.0002	.0001	.0000	.0004	.0000	.0003	.0000	.0001	.0000
%RSD	147.9	103.4	39.51	123.0	10.17	745.2	5.238	380.0	4.306
#1	-.0000	.0001	.0001	.0006	-.0002	-.0002	.0001	.0001	.0006
#2	.0003	.0000	.0001	.0000	-.0002	.0003	.0001	-.0001	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**-.0015**	**.0014**	**.0004**	**.0019**	**-.0001**	**.0032**	**-.0035**
Stddev	.0002	.0000	.0003	.0010	.0006	.0011	.0009	.0027	.0004
%RSD	40.21	15.88	19.44	76.79	142.9	61.37	1517.	84.99	10.20
#1	.0003	.0001	-.0017	.0006	.0009	.0011	.0006	.0051	-.0032
#2	.0006	.0001	-.0013	.0021	-.0000	.0027	-.0007	.0013	-.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**-.0048**	**.0499**	**.0435**	**.0001**	**.0004**	**-.0010**	**-.0030**	**.0000**
Stddev	.0019	.0024	.0004	.0002	.0002	.0000	.0002	.0002	.0007
%RSD	38.61	50.40	.9017	.3833	363.2	1.696	20.21	7.560	2200.
#1	.0035	-.0031	.0502	.0436	-.0001	.0004	-.0009	-.0032	-.0005
#2	.0061	-.0065	.0495	.0433	.0002	.0004	-.0011	-.0028	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: ccb Acquired: 6/9/2014 17:59:59 Type: QC
Method: Accutest1(v228) 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**	**.0022**	**-.0001**	**.0005**	**-.0005**	**-.0002**
Stddev	.0000	.0001	.0011	.0000	.0001	.0008	.0004
%RSD	20.33	130.8	50.53	67.25	14.77	156.9	189.0
#1	.0001	.0001	.0029	-.0001	.0005	-.0010	.0001
#2	.0001	.0000	.0014	-.0000	.0004	.0001	-.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	**58655.**	**13223.**	**1973.3**	**4112.7**
Stddev	62.	49.	7.0	13.6
%RSD	.10654	.36787	.35399	.33087
#1	58699.	13257.	1968.3	4103.1
#2	58610.	13189.	1978.2	4122.3

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	0.002000	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000300	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	0.011250	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	-0.000145	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	-0.000109	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000005	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
			Cr	-0.000110	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000028	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	-0.000278	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000004	0.000000	No
			Mo	-0.000030	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000100	0.000000	No
			Se	0.000286	0.000000	No
			Al	-0.000003	0.000000	No
			Cr	0.000006	0.000000	No
			Si	-0.000030	0.000000	No
			Sn	0.000079	0.000000	No
			Ba	0.000000	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.000000	0.000000	No
Ag 328.068 {103}	☒	15	Mn	0.000000	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	-0.000986	0.000000	No
			Fe	-0.000637	0.000000	No
			V	0.000000	0.000000	No
			Zn	-0.001680	0.000000	No
			Ca	-0.000015	0.000000	No
			Al	-0.000003	0.000000	No
			Sr	-0.000008	0.000000	No
			Mg	0.000004	0.000000	No
			Ba	-0.001848	0.000000	No
			Cr	-0.000057	0.000000	No
			Si	-0.000009	0.000000	No
			Zr	0.005200	0.000000	No
			W	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
				Mo	-0.011200	0.000000	No
				Fe	0.000026	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.002120	0.000000	No
				Mn	-0.000513	0.000000	No
	Zn 206.200 {464}	☒	17	Cr	-0.000597	0.000000	No
				Mo	0.000444	0.000000	No
				Fe	0.000009	0.000000	No
				Al	0.000006	0.000000	No
				Si	-0.000035	0.000000	No
				Ba	0.000108	0.000000	No
				Na	0.000003	0.000000	No
				Ca	-0.000008	0.000000	No
				Sr	-0.000033	0.000000	No
				Sn	0.000069	0.000000	No
				Cu	0.000456	0.000000	No
				As	0.000200	0.000000	No
				Be	0.000071	0.000000	No
				Pd	0.000280	0.000000	No
				Bi	-0.001400	0.000000	No
				W	0.000000	0.000000	No
				Mn	0.000400	0.000000	No
	As 189.042 {478}	☒	24	Al	0.000008	0.000000	No
				Fe	-0.000015	0.000000	No
				Ca	-0.000008	0.000000	No
				Mn	-0.000205	0.000000	No
				Mo	0.010730	0.000000	No
				Cr	0.000100	0.000000	No
				V	-0.000094	0.000000	No
				Co	-0.000905	0.000000	No
				Ba	0.000001	0.000000	No
				W	0.000000	0.000000	No
				Sn	-0.000037	0.000000	No
				Cd	-0.000194	0.000000	No
				Tl	-0.000370	0.000000	No
				Be	0.000173	0.000000	No
				Mg	0.000004	0.000000	No
				Si	-0.000147	0.000000	No
				Zn	0.000100	0.000000	No
				Sr	-0.000300	0.000000	No
				Pd	0.025000	0.000000	No
				Zr	-0.001900	0.000000	No
				Ti	-0.000100	0.000000	No
				S	0.000008	0.000000	No
				Cu	0.000200	0.000000	No
				K	0.000000	0.000000	No
	Tl 190.856 {477}	☒	26	Cr	0.000350	0.000000	No
				Mo	-0.009520	0.000000	No
				Al	0.000004	0.000000	No
				Fe	-0.000087	0.000000	No
				V	-0.023400	0.000000	No
				Mn	0.001090	0.000000	No
				Si	0.000027	0.000000	No
				Ca	0.000001	0.000000	No
				Ti	-0.001696	0.000000	No
				Mg	-0.000008	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002336	0.000000	No
				Sr	0.000270	0.000000	No
				B	-0.000200	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	-0.000120	0.000000	No
				As	-0.000045	0.000000	No
				Ni	0.000000	0.000000	No
				Cu	0.000097	0.000000	No
				Zr	-0.000200	0.000000	No
				Pd	0.000051	0.000000	No
				Pb	0.000035	0.000000	No
				S	-0.000010	0.000000	No
				W	0.000000	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
	Pb 220.353 {453}	☒	24	Al	-0.000097	0.000000	No
				Fe	0.000041	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	0.000047	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002321	0.000000	No
				Cu	0.000304	0.000000	No
				V	-0.000238	0.000000	No
				Co	-0.000447	0.000000	No
				Ti	-0.000350	0.000000	No
				Si	-0.000060	0.000000	No
				Ba	-0.000012	0.000000	No
				Sb	-0.000200	0.000000	No
				Sr	-0.000043	0.000000	No
				W	0.020000	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	-0.000009	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000265	0.000000	No
				Mo	0.000287	0.000000	No
				Fe	-0.000100	0.000000	No
				Co	0.000055	0.000000	No
				V	-0.000330	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No
				Si	-0.000190	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	0.000000	0.000000	No
				Pd	0.000300	0.000000	No
				Ti	0.000071	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	0.000000	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	-0.000300	0.000000	No
			W	0.060000	0.000000	No
			K	0.000000	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000000	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.001557	0.000000	No
			Cr	0.016200	0.000000	No
			V	-0.003500	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000200	0.000000	No
			Ti	0.000854	0.000000	No
			Sn	-0.012177	0.000000	No
			W	0.000000	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000260	0.000000	No
			Sr	0.000151	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.032500	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	-0.000017	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	0.001320	0.000000	No
			Tl	-0.002580	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	-0.000025	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.045250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.002000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027000	0.000000	No
Mo 202.030 {467}	☒	5	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000067	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.019800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000022	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.021300	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.009000	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000001	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.002660	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.003073	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No
			Si	0.000131	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	-0.000000	0.000000	No
			Ca	0.000043	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000110	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.002900	0.000000	No
			Sn	0.001300	0.000000	No
			Zr	-0.002570	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.003000	0.000000	No
			Co	0.000041	0.000000	No
			Ni	-0.000263	0.000000	No
			Be	-0.000130	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.000118	0.000000	No
			Ba	-0.000090	0.000000	No
			Tl	-0.000110	0.000000	No
Zr 339.198 { 99}	☒	7	Mo	0.000250	0.000000	No
			Ti	0.000090	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Pd	0.000200	0.000000	No
			W	0.000000	0.000000	No
S 182.034 {485}	☒	6	Ca	0.000085	0.000000	No
			Mo	0.000114	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	0.000012	0.000000	No
			Mn	0.002300	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	0.000007	0.000000	No
			Mg	0.000018	0.000000	No
			W	-0.003914	0.000000	No
			Cu	-0.000858	0.000000	No
			Fe	0.000065	0.000000	No
			Cr	0.001500	0.000000	No
			Ti	-0.006467	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Li 670.784 { 50}	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.002662	2.363951	0.000000	1.000000
Be 313.042 {108}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000346	2.345476	0.000000	1.000000
Cd 228.802 {448}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000616	1.054559	0.000000	1.000000
Co 228.616 {448}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000015	0.538580	0.000000	1.000000
Cr 267.716 {126}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000007	0.082757	0.000000	1.000000
Cu 324.754 {104}2	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.002065	0.222790	0.000000	1.000000
Mn 257.610 {131}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000018	0.462671	0.000000	1.000000
Ni 231.604 {446}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000103	0.385345	0.000000	1.000000
Ag 328.068 {103}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000184	0.117846	0.000000	1.000000
V 292.402 {115}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000017	0.107973	0.000000	1.000000
Zn 206.200 {464}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.001225	0.948489	0.000000	1.000000
As 189.042 {478}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000083	0.105763	0.000000	1.000000
Tl 190.856 {477}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000042	0.055162	0.000000	1.000000
Pb 220.353 {453}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000110	0.151965	0.000000	1.000000
Se 196.090 {472}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000199	0.079188	0.000000	1.000000
Sb 206.833 {463}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000216	0.203957	0.000000	1.000000
Al 396.152 { 85}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000239	0.042980	0.000000	1.000000
Ca 317.933 {106}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.003572	0.051910	0.000000	1.000000
Fe 259.940 {130}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000030	0.047803	0.000000	1.000000
Mg 279.079 {121}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000041	0.005653	0.000000	1.000000
K 766.490 { 44}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000224	0.052184	0.000000	1.000000
Na 589.592 { 57}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.005971	0.182703	0.000000	1.000000
B 208.959 {462}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000791	0.255153	0.000000	1.000000
Mo 202.030 {467}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000042	0.888327	0.000000	1.000000
Pd 340.458 { 99}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000160	0.043597	0.000000	1.000000
Si 212.412 {459}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.004637	0.273717	0.000000	1.000000
Sn 189.989 {478}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000119	0.163852	0.000000	1.000000
Sr 407.771 { 83}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000740	4.684778	0.000000	1.000000
Ti 334.904 {101}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000105	0.118690	0.000000	1.000000
Y 360.073 { 94}*	6/10/2014 8:35:41	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/10/2014 8:35:41	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/10/2014 8:35:41	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/10/2014 8:35:41	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.000207	0.395378	0.000000	1.000000
Zr 339.198 { 99}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000143	0.276811	0.000000	1.000000
S 182.034 {485}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	0.001813	0.050157	0.000000	1.000000
Bi 223.061 {451}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000279	0.264268	0.000000	1.000000
Li 670.784 { 50}	6/10/2014 8:35:41	6/9/2014 9:25:44	Linear	1/Conc	-0.000520	1.360946	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	0.000195	0.000649	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000072	0.000239	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000185	0.000616	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000265	0.000884	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000483	0.001609	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000404	0.001347	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000076	0.000255	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000321	0.001069	OK.	1.000000	0.000000	1	0
Ag 328.068 {103}	1.000000	0.000000	0.000641	0.002137	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000425	0.001418	OK.	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000189	0.000630	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.001313	0.004376	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.001404	0.004679	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001186	0.003952	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002316	0.007721	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001153	0.003844	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.008921	0.029736	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.003694	0.012312	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.002357	0.007858	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.023418	0.078059	OK.	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.020116	0.067054	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.005287	0.017623	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000640	0.002133	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000232	0.000773	OK.	1.000000	0.000000	1	0
Pd 340.458 { 99}	1.000000	0.000000	0.001560	0.005199	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.000853	0.002842	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.000864	0.002880	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000073	0.000244	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000570	0.001901	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	0.001002	0.003342	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000235	0.000784	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.003059	0.010197	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001116	0.003720	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.000734	0.002448	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/10/2014 10:27:43 Type: Cal
Method: Accutest1(v140) 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	**.0025**	**.0001**	**.0007**	**-.0002**	**.0000**	**.0034**	**.0000**	**-.0009**	**.0000**
Stddev	.0002	.0000	.0003	.0000	.000	.0000	.0000	.0000	.000
%RSD	7.700	38.66	43.69	15.22	153.6	.7624	3.238	3.425	80.34
#1	.0027	.0001	.0009	-.0002	.0000	.0034	.0000	-.0009	.0000
#2	.0024	.0001	.0005	-.0002	.0000	.0033	.0000	-.0009	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0003**	**.0004**	**-.0002**	**-.0002**	**.0002**	**.0011**	**.0010**	**.0079**
Stddev	.0000	.0001	.0000	.0000	.0000	.0001	.0002	.0001	.0002
%RSD	6.531	34.33	12.96	5.404	13.44	32.13	15.82	8.752	2.770
#1	-.0001	.0003	.0003	-.0002	-.0002	.0001	.0013	.0011	.0077
#2	-.0001	.0002	.0004	-.0002	-.0002	.0002	.0010	.0009	.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**-.0001**	**.0015**	**.0061**	**.0010**	**.0015**	**.0000**	**.0070**	**.0005**
Stddev	.0000	.0000	.0001	.0007	.0000	.0001	.000	.0002	.0001
%RSD	18.99	34.79	5.628	12.31	.4933	5.433	298.7	2.376	21.00
#1	-.0001	-.0001	.0016	.0066	.0010	.0015	.0000	.0071	.0006
#2	-.0001	.0000	.0014	.0055	.0010	.0014	.0000	.0069	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0004**	**-.0001**	**.0108**	**.0000**	**.0005**	**-.0011**	**-.0027**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0002
%RSD	20.32	2.537	.0419	163.0	20.74	7.722	8.665
#1	.0004	-.0001	.0108	.0000	.0005	-.0010	-.0029
#2	.0003	-.0001	.0108	.0000	.0004	-.0011	-.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110850.**	**15157.**	**2161.8**	**7113.5**
Stddev	72.	32.	2.7	4.9
%RSD	.06488	.21329	.12321	.06870
#1	110800.	15134.	2163.7	7117.0
#2	110900.	15179.	2159.9	7110.0

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/10/2014 10:33:59 Type: Cal
Method: Accutest1(v140) 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	**11.26**	**11.11**	**4.451**	**1.449**	**.3072**	**1.008**	**.8131**	**1.149**	**.0684**
Stddev	.02	.04	.008	.000	.0007	.000	.0007	.000	.0000
%RSD	.1348	.3154	.1815	.0123	.2211	.0204	.0910	.0084	.0292
#1	11.25	11.08	4.446	1.449	.3067	1.008	.8126	1.149	.0684
#2	11.27	11.13	4.457	1.449	.3077	1.008	.8136	1.149	.0684

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	**.5511**	**3.921**	**.8008**	**.1387**	**.5285**	**.4619**	**1.016**	**3.756**	**5.173**
Stddev	.0008	.004	.0006	.0010	.0000	.0009	.002	.013	.011
%RSD	.1483	.1154	.0806	.7266	.0047	.2011	.1916	.3552	.2201
#1	.5506	3.924	.8003	.1394	.5285	.4626	1.014	3.746	5.165
#2	.5517	3.917	.8012	.1380	.5285	.4613	1.017	3.765	5.181

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.002**	**.4298**	**2.240**	**7.923**	**1.045**	**4.209**	**.2351**	**2.964**	**.7062**
Stddev	.006	.0013	.005	.024	.003	.006	.0001	.007	.0001
%RSD	.2051	.2992	.2066	.3005	.2788	.1347	.0264	.2264	.0186
#1	2.998	.4289	2.237	7.906	1.043	4.205	.2352	2.960	.7061
#2	3.006	.4307	2.243	7.940	1.047	4.213	.2351	2.969	.7063

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**15.60**	**.6225**	**1.953**	**1.521**	**.3176**	**1.444**	**3.033**
Stddev	.20	.0006	.024	.001	.0006	.004	.003
%RSD	1.253	.0905	1.218	.0319	.1768	.2495	.1094
#1	15.46	.6221	1.936	1.521	.3180	1.442	3.031
#2	15.74	.6229	1.970	1.521	.3172	1.447	3.036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101150.**	**14865.**	**2013.0**	**6165.0**
Stddev	59.	82.	5.5	10.5
%RSD	.05835	.55103	.27122	.16958
#1	101200.	14923.	2016.8	6172.4
#2	101110.	14807.	2009.1	6157.6

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/10/2014 10:40:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**2.065**	**2.003**	**2.013**	**1.998**	**1.972**	**2.039**	**2.035**	**.2411**
Stddev	.016	.019	.003	.007	.012	.022	.012	.008	.0023
%RSD	.7545	.9073	.1608	.3402	.6187	1.101	.5823	.4095	.9507
#1	2.060	2.079	2.005	2.018	1.989	1.957	2.031	2.041	.2395
#2	2.038	2.052	2.001	2.009	2.007	1.988	2.048	2.029	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.044**	**1.992**	**2.080**	**2.037**	**1.996**	**1.987**	**40.20**	**40.79**
Stddev	.013	.006	.005	.016	.006	.004	.004	.26	.50
%RSD	.6411	.2926	.2574	.7486	.3089	.1929	.1894	.6571	1.227
#1	1.988	2.048	1.995	2.091	2.041	1.999	1.989	40.38	41.15
#2	2.006	2.040	1.988	2.069	2.032	1.994	1.984	40.01	40.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.94**	**40.35**	**40.25**	**40.45**	**2.009**	**2.026**	**1.966**	**4.935**	**2.043**
Stddev	.44	.42	.24	.24	.001	.005	.022	.009	.007
%RSD	1.070	1.045	.6012	.5988	.0711	.2358	1.122	.1805	.3473
#1	41.25	40.65	40.42	40.62	2.010	2.029	1.951	4.941	2.048
#2	40.63	40.05	40.08	40.28	2.008	2.023	1.982	4.929	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/10/2014 10:40:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.079**	**2.002**	**2.008**	**1.989**	**1.957**	**1.993**	**2.007**
Stddev	.020	.016	.004	.020	.012	.003	.014
%RSD	.9835	.8209	.2141	.9845	.6005	.1388	.6801
#1	2.093	1.991	2.005	1.975	1.965	1.995	2.017
#2	2.064	2.014	2.011	2.003	1.949	1.991	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	**105780.**	**14900.**	**2101.0**	**6462.2**
Stddev	804.	128.	3.1	22.5
%RSD	.75967	.85741	.14832	.34773
#1	106350.	14810.	2098.7	6446.3
#2	105210.	14991.	2103.2	6478.0

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/10/2014 10:46:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0005**	**.0001**	**.0004**	**.0003**	**.0002**	**.0004**	**.0005**	**-.0002**
Stddev	.0001	.0001	.0002	.0002	.0000	.0002	.0000	.0000	.0001
%RSD	12.97	19.94	155.8	42.44	13.76	159.1	7.605	1.895	33.19
#1	.0007	.0004	.0002	.0005	.0003	.0003	.0004	.0005	-.0002
#2	.0008	.0006	.0000	.0003	.0004	.0000	.0003	.0005	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	**.0024**	**-.0007**	**.0001**	**-.0029**	**-.0001**	**.0066**	**.0095**
Stddev	.0000	.0001	.0005	.0007	.0003	.0014	.0007	.0007	.0019
%RSD	4.172	16.75	19.97	97.98	309.2	46.34	1258.	10.11	20.03
#1	.0008	.0007	.0021	-.0012	-.0001	-.0039	.0005	.0070	.0081
#2	.0009	.0006	.0027	-.0002	.0003	-.0020	-.0006	.0061	.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0150**	**.0104**	**.0389**	**.0200**	**.0018**	F **.0041**	**.0004**	**.0003**	**-.0012**
Stddev	.0044	.0118	.0167	.0054	.0002	.0005	.0006	.0005	.0007
%RSD	29.17	113.4	42.88	27.05	13.73	12.45	150.2	184.4	55.13
#1	.0119	.0188	.0271	.0162	.0020	.0045	.0009	.0007	-.0017
#2	.0181	.0021	.0508	.0238	.0016	.0037	.0000	-.0001	-.0007
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/10/2014 10:46:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0006**	F **.0447**	F **.0023**	**.0019**	**.0005**	**.0014**
Stddev	.0001	.0002	.0050	.0001	.0004	.0004	.0001
%RSD	21.63	31.15	11.12	2.401	22.98	73.33	6.904
#1	.0004	.0007	.0482	.0023	.0023	.0002	.0015
#2	.0006	.0005	.0412	.0022	.0016	.0008	.0013
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110430.**	**15392.**	**2162.1**	**7101.6**
Stddev	105.	373.	.6	1.9
%RSD	.09514	2.4251	.02781	.02639
#1	110510.	15656.	2162.5	7100.2
#2	110360.	15128.	2161.7	7102.9

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/10/2014 10:52:28 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2127**	**.0024**	**.0035**	**.0525**	**.0113**	**.0106**	**.0169**	**.0106**	**.0050**
Stddev	.0009	.0000	.0001	.0002	.0002	.0004	.0001	.0002	.0004
%RSD	.4033	1.068	2.591	.3261	1.849	3.439	.6632	1.626	7.229
#1	.2121	.0025	.0036	.0524	.0114	.0108	.0169	.0107	.0048
#2	.2133	.0024	.0034	.0527	.0111	.0103	.0170	.0104	.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0545**	**.0237**	F **.0104**	**.0075**	**.0029**	**.0112**	**.0058**	**.2095**	**5.231**
Stddev	.0001	.0000	.0001	.0002	.0003	.0015	.0011	.0070	.015
%RSD	.1160	.1746	1.234	2.953	11.47	13.25	19.19	3.341	.2900
#1	.0545	.0237	.0105	.0077	.0031	.0101	.0066	.2145	5.221
#2	.0545	.0237	.0104	.0074	.0026	.0122	.0051	.2046	5.242

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1180**	**5.281**	**5.319**	**5.136**	**.1089**	**.0238**	**.0600**	**.2288**	**.0115**
Stddev	.0003	.024	.028	.032	.0006	.0000	.0003	.0010	.0003
%RSD	.2921	.4597	.5163	.6261	.5940	.1379	.4444	.4424	2.399
#1	.1183	5.264	5.300	5.113	.1085	.0237	.0598	.2281	.0113
#2	.1178	5.298	5.339	5.159	.1094	.0238	.0602	.2295	.0117

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0112**	**.0116**	F **.0720**	**.0126**	**.0512**	**.0221**	**.0215**
Stddev	.0001	.0002	.0002	.0000	.0003	.0003	.0005
%RSD	.4622	1.513	.3214	.2526	.5986	1.577	2.329
#1	.0112	.0117	.0721	.0126	.0514	.0223	.0219
#2	.0112	.0115	.0718	.0125	.0509	.0218	.0211

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108220.**	**14995.**	**2123.9**	**6885.9**
Stddev	496.	77.	9.7	28.6
%RSD	.45874	.51659	.45441	.41564
#1	108570.	15050.	2130.7	6906.2
#2	107870.	14941.	2117.1	6865.7

Zoom In Zoom Out

Sample Name: icv Acquired: 6/10/2014 11:02:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.048**	**2.041**	**2.046**	**2.035**	**2.030**	**2.083**	**2.066**	**.2460**
Stddev	.001	.003	.004	.004	.004	.010	.004	.004	.0011
%RSD	.0658	.1275	.1800	.1900	.1943	.5015	.2167	.1946	.4396
#1	2.031	2.046	2.038	2.041	2.034	2.020	2.081	2.062	.2450
#2	2.033	2.048	2.045	2.046	2.032	2.030	2.080	2.066	.2458
#3	2.034	2.051	2.042	2.049	2.040	2.040	2.088	2.070	.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	**2.048**	**2.069**	**2.024**	**2.096**	**2.065**	**2.036**	**2.032**	**39.95**	**40.22**
Stddev	.004	.005	.001	.007	.004	.005	.006	.01	.11
%RSD	.2196	.2304	.0582	.3276	.1808	.2287	.2873	.0263	.2719
#1	2.043	2.067	2.023	2.093	2.065	2.030	2.026	39.95	40.18
#2	2.048	2.066	2.025	2.091	2.061	2.039	2.038	39.94	40.13
#3	2.052	2.074	2.025	2.104	2.068	2.037	2.033	39.96	40.34
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	**40.55**	**39.77**	**39.96**	**40.16**	**2.052**	**2.064**	**2.017**	**5.038**	**2.072**
Stddev	.08	.07	.08	.04	.006	.004	.008	.014	.004
%RSD	.2048	.1746	.2051	.1060	.3146	.1833	.4054	.2733	.1952
#1	40.60	39.77	39.89	40.12	2.048	2.060	2.011	5.025	2.067
#2	40.46	39.70	39.93	40.16	2.060	2.066	2.013	5.053	2.074
#3	40.60	39.84	40.05	40.20	2.049	2.066	2.026	5.036	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: icv Acquired: 6/10/2014 11:02:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.064**	**2.047**	**2.035**	**2.033**	**1.974**	**2.040**	**1.993**
Stddev	.001	.005	.015	.003	.007	.008	.001
%RSD	.0503	.2452	.7541	.1456	.3778	.4000	.0635
#1	2.064	2.043	2.018	2.030	1.975	2.033	1.992
#2	2.063	2.046	2.039	2.033	1.967	2.049	1.995
#3	2.064	2.052	2.048	2.036	1.981	2.038	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	**103450.**	**15048.**	**2058.0**	**6344.4**
Stddev	328.	81.	4.9	10.5
%RSD	.31728	.54104	.23654	.16560
#1	103660.	15026.	2062.7	6355.6
#2	103620.	15138.	2053.0	6334.7
#3	103070.	14980.	2058.4	6342.8

Zoom In Zoom Out

Sample Name: icb Acquired: 6/10/2014 11:16:49 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0000**	**.0004**	**.0001**	**.0001**	**.0001**	**.0002**	**.0001**
Stddev	.0000	.0000	.0001	.0001	.0004	.0001	.0000	.0002	.0002
%RSD	8.316	12.03	424.4	25.67	279.9	59.75	27.86	145.1	285.2
#1	.0004	.0002	.0000	.0003	-.0001	.0001	.0002	.0003	.0002
#2	.0004	.0002	.0001	.0005	.0004	.0001	.0001	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**.0018**	**-.0007**	**-.0003**	**-.0006**	**-.0004**	**.0035**	**.0060**
Stddev	.0002	.0001	.0006	.0018	.0006	.0018	.0002	.0039	.0018
%RSD	139.9	22.54	36.01	246.9	213.0	280.7	54.84	110.0	30.38
#1	.0003	.0005	.0013	.0005	.0002	-.0019	-.0002	.0063	.0047
#2	.0000	.0003	.0022	-.0020	-.0008	.0006	-.0005	.0008	.0073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**.0227**	**.0404**	**.0054**	**.0009**	**.0017**	**-.0004**	**.0006**	**-.0005**
Stddev	.0018	.0041	.0273	.0006	.0001	.0001	.0003	.0001	.0000
%RSD	30.91	17.86	67.64	11.49	6.302	3.243	69.20	12.26	7.260
#1	.0045	.0198	.0597	.0059	.0008	.0016	-.0006	.0007	-.0005
#2	.0070	.0256	.0211	.0050	.0009	.0017	-.0002	.0006	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/10/2014 11:16:49 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	F **.0216**	**.0009**	**.0018**	**.0002**	**.0007**
Stddev	.0000	.0000	.0009	.0001	.0008	.0004	.0002
%RSD	13.89	2.753	3.956	10.30	42.73	227.9	33.65
#1	.0002	.0004	.0222	.0009	.0012	-.0001	.0009
#2	.0002	.0004	.0210	.0010	.0023	.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123				
Low Limit			-.0123				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109070.**	**15173.**	**2162.5**	**7102.7**
Stddev	1569.	46.	20.6	58.1
%RSD	1.4384	.30271	.95037	.81772
#1	110180.	15206.	2177.0	7143.7
#2	107960.	15141.	2147.9	7061.6

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/10/2014 11:21:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.049**	**2.015**	**2.021**	**2.023**	**1.994**	**2.060**	**2.041**	**.2433**
Stddev	.003	.007	.005	.004	.004	.014	.006	.004	.0012
%RSD	.1348	.3441	.2261	.2200	.1957	.7230	.3143	.2188	.5049
#1	2.031	2.056	2.020	2.026	2.017	1.973	2.050	2.045	.2416
#2	2.033	2.051	2.014	2.019	2.025	1.995	2.061	2.039	.2437
#3	2.030	2.052	2.009	2.016	2.026	2.002	2.065	2.036	.2445
#4	2.026	2.039	2.016	2.022	2.022	2.004	2.063	2.045	.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	**2.009**	**2.046**	**1.994**	**2.054**	**2.040**	**1.997**	**2.004**	**39.77**	**40.47**
Stddev	.011	.005	.006	.008	.004	.005	.005	.18	.17
%RSD	.5576	.2283	.2850	.4047	.1985	.2417	.2524	.4424	.4081
#1	1.993	2.051	1.995	2.067	2.042	2.004	2.010	39.87	40.68
#2	2.009	2.043	1.992	2.050	2.039	1.994	2.001	39.86	40.28
#3	2.015	2.041	1.987	2.050	2.035	1.993	1.998	39.84	40.47
#4	2.018	2.049	2.001	2.050	2.045	1.997	2.006	39.51	40.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.71**	**40.04**	**40.00**	**39.99**	**2.025**	**2.035**	**1.998**	**4.971**	**2.045**
Stddev	.17	.11	.11	.10	.005	.005	.013	.010	.006
%RSD	.4289	.2801	.2765	.2469	.2501	.2623	.6554	.1973	.2999
#1	40.97	40.16	40.12	40.02	2.029	2.037	1.980	4.982	2.048
#2	40.67	39.89	39.97	40.03	2.023	2.031	2.000	4.961	2.046
#3	40.66	40.01	40.06	40.06	2.018	2.030	2.008	4.966	2.036
#4	40.56	40.08	39.86	39.84	2.028	2.041	2.006	4.976	2.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/10/2014 11:21:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.073**	**2.026**	**2.014**	**2.019**	**1.936**	**2.012**	**2.000**
Stddev	.005	.008	.018	.006	.006	.003	.003
%RSD	.2395	.3839	.8741	.2993	.3239	.1640	.1380
#1	2.079	2.015	1.995	2.010	1.941	2.016	2.003
#2	2.074	2.027	2.008	2.022	1.928	2.010	2.003
#3	2.068	2.032	2.018	2.020	1.933	2.008	1.998
#4	2.070	2.031	2.037	2.024	1.940	2.012	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	**104570.**	**14958.**	**2083.2**	**6421.1**
Stddev	402.	60.	3.2	13.8
%RSD	.38468	.40248	.15332	.21452
#1	105110.	14880.	2079.1	6403.7
#2	104600.	15005.	2085.7	6435.5
#3	104360.	14939.	2085.8	6427.7
#4	104190.	15006.	2082.1	6417.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 11:38:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0009**	**.0003**	**.0003**	**.0006**	**.0006**	**.0006**	**.0003**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0002	.0001	.0000	.0002	.0001
%RSD	10.16	3.248	24.23	2.710	35.03	17.32	2.746	48.48	37.60
#1	.0012	.0009	.0004	.0003	.0008	.0007	.0006	.0004	-.0002
#2	.0010	.0008	.0003	.0003	.0005	.0005	.0006	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0006**	**.0015**	**-.0003**	**-.0001**	**.0014**	**-.0003**	**.0188**	**.0188**
Stddev	.0003	.0001	.0000	.0014	.0004	.0007	.0003	.0016	.0004
%RSD	41.54	10.83	2.006	483.8	373.0	53.81	100.6	8.543	2.095
#1	.0009	.0006	.0015	-.0013	-.0004	.0019	-.0005	.0177	.0186
#2	.0005	.0005	.0015	.0007	.0002	.0009	-.0001	.0200	.0191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0191**	**.0490**	**.0428**	**.0135**	**.0010**	**.0015**	**.0007**	**.0011**	**.0000**
Stddev	.0020	.0183	.0118	.0052	.0004	.0001	.0005	.0010	.0008
%RSD	10.69	37.46	27.52	38.77	35.61	4.944	74.45	95.41	2423.
#1	.0206	.0619	.0345	.0098	.0008	.0015	.0011	.0018	.0006
#2	.0177	.0360	.0511	.0172	.0013	.0016	.0003	.0003	-.0006
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 11:38:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0008**	F **.0157**	F **.0010**	**.0001**	**.0001**	**.0017**
Stddev	.0000	.0003	.0013	.0002	.0002	.0004	.0006
%RSD	1.526	33.83	8.336	20.23	194.0	289.8	37.47
#1	.0009	.0009	.0167	.0009	.0003	-.0002	.0013
#2	.0009	.0006	.0148	.0012	.0000	.0004	.0022
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110890.**	**15214.**	**2175.4**	**7169.1**
Stddev	199.	86.	.5	3.3
%RSD	.17975	.56650	.02313	.04542
#1	110750.	15153.	2175.8	7171.4
#2	111030.	15275.	2175.1	7166.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 11:45:53 Type: QC
Method: Accutest1(v140) 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	**.0046**	F **.0015**	**.0012**	**.0035**	**.0023**	**.0026**	**.0036**	**.0044**
Stddev	.0001	.0001	.0001	.0001	.0001	.0003	.0000	.0001
%RSD	1.133	7.158	7.503	3.812	2.546	12.74	.0578	1.801
#1	.0046	.0015	.0013	.0035	.0023	.0028	.0036	.0045
#2	.0046	.0014	.0012	.0034	.0022	.0023	.0036	.0044
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.0010						
Range		30.00%						

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0024**	F **.0133**	**.0039**	F **-.0002**	**.0022**	F **.0076**	**.0027**
Stddev	.0001	.0001	.0000	.0001	.0003	.0003	.0007	.0001
%RSD	15.64	3.595	.1422	2.903	136.7	12.97	9.496	2.159
#1	.0008	.0024	.0133	.0038	.0000	.0020	.0081	.0027
#2	.0006	.0023	.0133	.0040	-.0005	.0024	.0071	.0026
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	.0010		.0100		.0020		.0050	
Range	-30.00%		30.00%		-30.00%		30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1109**	**1.054**	**.0133**	F **.1472**	**2.107**	**1.032**	**.0109**	**.0007**
Stddev	.0044	.004	.0002	.0082	.010	.001	.0001	.0000
%RSD	3.953	.3626	1.164	5.553	.4871	.0576	.9877	4.021
#1	.1140	1.051	.0132	.1530	2.114	1.032	.0109	.0007
#2	.1078	1.056	.0134	.1414	2.100	1.031	.0110	.0007
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: 6/10/2014 11:45:53 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0017**	**.0004**	**.0005**	**.0005**	**.0040**	**.0004**	**.0018**
Stddev	.0001	.0004	.0002	.0000	.0002	.0006	.0001	.0009
%RSD	36.34	24.90	44.76	5.487	37.73	15.11	15.20	50.25
#1	-.0002	-.0014	.0003	.0005	.0004	.0044	.0005	.0011
#2	-.0004	-.0020	.0005	.0005	.0006	.0036	.0004	.0024
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0008**	**.0010**
Stddev	.0005	.0001
%RSD	66.50	12.78
#1	.0011	.0011
#2	.0004	.0009
Check ?	None	None
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110610.**	**15285.**	**2169.0**	**7101.5**
Stddev	100.	56.	5.0	6.6
%RSD	.09004	.36602	.23027	.09288
#1	110680.	15325.	2172.5	7106.1
#2	110540.	15246.	2165.4	7096.8

Zoom In Zoom Out

Sample Name: mp79914-mb1conf Acquired: 6/10/2014 11:53:44 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0008**	**-.0001**	**.0000**	**.0002**	**.0054**	**.0013**	**.0008**	**.0261**	**.0000**
Stddev	.0002	.0000	.000	.0001	.0003	.0002	.0000	.0000	.000
%RSD	19.56	3.351	2050.	56.66	5.687	13.35	6.385	.0792	184.6
#1	.0007	-.0001	-.0001	.0003	.0052	.0011	.0008	.0261	.0000
#2	.0009	-.0001	.0001	.0001	.0056	.0014	.0007	.0261	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0046**	**.0007**	**-.0009**	**.0003**	**.0017**	**.0003**	**.0195**	**.1602**
Stddev	.0002	.0000	.0001	.0015	.0002	.0007	.0002	.0019	.0019
%RSD	67.29	.6721	9.478	156.8	60.90	38.36	70.51	9.947	1.197
#1	.0005	.0046	.0007	-.0020	.0005	.0012	.0004	.0182	.1588
#2	.0002	.0046	.0006	.0001	.0002	.0022	.0001	.0209	.1615

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0622**	**.0787**	**.0408**	**.0418**	**.0006**	**.0065**	**-.0010**	**.0337**	**.0362**
Stddev	.0005	.0044	.0130	.0000	.0001	.0001	.0003	.0006	.0005
%RSD	.7721	5.655	31.79	.0147	13.63	1.281	28.06	1.818	1.315
#1	.0625	.0755	.0499	.0418	.0006	.0065	-.0012	.0333	.0359
#2	.0618	.0818	.0316	.0418	.0007	.0064	-.0008	.0342	.0366

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0013**	**.0098**	**.0008**	**.0058**	**.0001**	**.0006**
Stddev	.0000	.0000	.0001	.0001	.0007	.0013	.0003
%RSD	11.50	1.954	.8666	13.76	11.15	2077.	50.14
#1	.0005	.0013	.0097	.0009	.0054	-.0008	.0004
#2	.0004	.0013	.0098	.0007	.0063	.0010	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110830.**	**15292.**	**2145.6**	**7058.8**
Stddev	80.	13.	4.3	6.2
%RSD	.07188	.08366	.19975	.08746
#1	110890.	15301.	2148.7	7063.1
#2	110780.	15283.	2142.6	7054.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:00:00 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.0010**	**.0009**	**.0032**	**.0019**	**.0021**	**.0034**	**.0044**	**.0013**
Stddev	.0000	.0000	.0001	.0000	.0002	.0000	.0001	.0001	.0002
%RSD	.6129	2.323	7.274	.3255	12.94	.8408	1.574	1.313	13.84
#1	.0044	.0010	.0008	.0032	.0021	.0021	.0034	.0044	.0011
#2	.0045	.0011	.0009	.0032	.0017	.0021	.0034	.0044	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0130**	**.0038**	**F .0027**	**.0023**	**F .0074**	**.0029**	**.1005**	**1.045**
Stddev	.0000	.0000	.0002	.0006	.0002	.0000	.0001	.0024	.002
%RSD	.8027	.2154	6.232	22.07	7.888	.0740	4.290	2.401	.1455
#1	.0021	.0130	.0036	.0023	.0025	.0074	.0028	.0988	1.046
#2	.0021	.0130	.0040	.0032	.0022	.0074	.0030	.1022	1.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.0020		.0050			
Range				30.00%		30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.1080**	**2.123**	**1.036**	**.0099**	**-.0002**	**-.0004**	**-.0024**	**-.0002**
Stddev	.0015	.0314	.000	.004	.0003	.0001	.0007	.0008	.0000
%RSD	31.75	29.06	.0027	.3687	3.173	55.11	200.3	31.03	.7981
#1	.0036	.1302	2.123	1.033	.0101	-.0001	-.0009	-.0030	-.0002
#2	.0058	.0858	2.123	1.038	.0097	-.0003	.0002	-.0019	-.0002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:00:00 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**-.0052**	**-.0003**	**.0021**	**-.0004**	**.0016**
Stddev	.000	.0003	.0000	.0000	.0001	.0010	.0006
%RSD	69.50	225.0	.1430	1.606	3.510	258.6	38.22
#1	-.0001	-.0003	-.0052	-.0003	.0021	-.0011	.0020
#2	.0000	.0001	-.0052	-.0003	.0020	.0003	.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	**109010.**	**15153.**	**2159.9**	**7057.4**
Stddev	286.	54.	2.2	.3
%RSD	.26275	.35743	.10416	.00482
#1	109210.	15192.	2161.5	7057.2
#2	108810.	15115.	2158.3	7057.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 12:06:17 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2082**	**.0022**	**.0033**	**.0513**	**.0110**	**.0105**	**.0166**	**.0106**	**.0048**
Stddev	.0001	.0000	.0001	.0002	.0003	.0001	.0001	.0000	.0001
%RSD	.0663	.1547	1.612	.3568	2.681	.4911	.8168	.2206	1.783
#1	.2081	.0022	.0034	.0512	.0108	.0106	.0167	.0106	.0049
#2	.2083	.0022	.0033	.0514	.0112	.0105	.0165	.0105	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0538**	**.0236**	**.0088**	**.0081**	**.0029**	**.0123**	**.0060**	**.1990**	**5.042**
Stddev	.0003	.0002	.0000	.0001	.0008	.0005	.0005	.0029	.015
%RSD	.5876	1.013	.4215	.6352	27.38	4.113	8.076	1.447	.2992
#1	.0540	.0234	.0089	.0082	.0035	.0120	.0057	.2011	5.031
#2	.0536	.0238	.0088	.0081	.0024	.0127	.0063	.1970	5.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1129**	**5.092**	**5.198**	**5.044**	**.1058**	**.0214**	**.0597**	**.2239**	**.0113**
Stddev	.0027	.037	.024	.013	.0003	.0000	.0006	.0017	.0004
%RSD	2.434	.7275	.4530	.2520	.2806	.1334	1.044	.7573	3.964
#1	.1149	5.066	5.181	5.053	.1056	.0214	.0601	.2227	.0110
#2	.1110	5.118	5.214	5.035	.1060	.0214	.0592	.2251	.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: 6/10/2014 12:06:17 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0110**	**.0457**	**.0105**	**.0503**	**.0224**	**.0225**
Stddev	.0001	.0000	.0009	.0000	.0004	.0011	.0002
%RSD	.5684	.1338	1.964	.4438	.7850	4.738	.8952
#1	.0106	.0110	.0451	.0105	.0506	.0217	.0224
#2	.0107	.0110	.0464	.0105	.0500	.0232	.0226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**107920.**	**15122.**	**2130.3**	**6899.1**
Stddev	80.	22.	13.6	31.4
%RSD	.07423	.14837	.63610	.45511
#1	107860.	15138.	2139.9	6921.3
#2	107980.	15106.	2120.7	6876.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 12:12:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**-.0001**	**.0001**	**.0000**	**-.0002**	**.0000**	**.0005**	**.0000**
Stddev	.0002	.0001	.0000	.0002	.000	.0000	.000	.0002	.000
%RSD	69.24	79.27	30.54	227.4	135.8	15.71	94.61	40.17	1457.
#1	.0004	.0000	-.0001	-.0001	-.0001	-.0002	.0000	.0007	.0001
#2	.0001	-.0001	.0000	.0003	.0000	-.0002	-.0001	.0004	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0019**	**.0200**	**.0009**	**.0210**	**.0230**	**.0191**	**.4892**	**.0059**
Stddev	.0001	.0000	.0003	.0015	.0005	.0011	.0009	.0011	.0005
%RSD	72.28	1.813	1.558	168.0	2.223	4.996	4.978	.2219	7.634
#1	.0000	.0019	.0203	-.0002	.0214	.0222	.0184	.4885	.0056
#2	.0002	.0019	.0198	.0020	.0207	.0238	.0197	.4900	.0062
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5200**	**.0253**	**.0066**	**-.0022**	**-.0008**	**-.0004**	**-.0012**	**.0001**	**-.0005**
Stddev	.0049	.0102	.0132	.0040	.0001	.0001	.0005	.0003	.0002
%RSD	.9432	40.30	201.7	183.7	12.43	19.43	41.26	235.0	32.73
#1	.5234	.0181	-.0028	-.0050	-.0009	-.0005	-.0008	-.0001	-.0004
#2	.5165	.0325	.0159	.0007	-.0007	-.0004	-.0015	.0004	-.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 12:12:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0066**	**-.0002**	**.0003**	**-.0003**	**.0001**
Stddev	.000	.000	.0002	.0001	.0006	.0008	.0004
%RSD	3.046	176.0	2.626	47.22	240.0	315.6	248.2
#1	.0000	-.0001	-.0067	-.0003	-.0002	-.0008	.0004
#2	.0000	.0000	-.0065	-.0001	.0007	.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	**110680.**	**15238.**	**2173.5**	**7127.2**
Stddev	63.	23.	3.4	4.0
%RSD	.05682	.15002	.15820	.05657
#1	110630.	15221.	2176.0	7130.0
#2	110720.	15254.	2171.1	7124.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 12:18:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0000**	**.0010**	**.0035**	**-.0005**	**-.0013**	**-.0012**	**-.0006**	**-.0045**
Stddev	.0002	.000	.0001	.0000	.0006	.0001	.0001	.0005	.0001
%RSD	30.59	487.3	5.520	.4274	106.0	7.772	4.595	84.23	1.797
#1	-.0004	.0000	.0009	.0035	-.0001	-.0014	-.0013	-.0003	-.0046
#2	-.0007	-.0001	.0010	.0035	-.0009	-.0013	-.0012	-.0010	-.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	**-.0019**	**-.0002**	**.0025**	**.0037**	**-.0050**	**.0083**	**-.0010**	**494.1**	**378.1**
Stddev	.0001	.0001	.0009	.0002	.0012	.0042	.0008	.8	3.4
%RSD	6.251	70.32	36.62	4.565	24.64	50.30	85.42	.1707	.9101
#1	-.0018	-.0001	.0018	.0038	-.0058	.0053	-.0016	494.7	380.5
#2	-.0020	-.0003	.0031	.0036	-.0041	.0112	-.0004	493.5	375.7
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	**188.6**	**525.1**	**.0315**	**.0122**	**-.0120**	**-.0024**	**-.0165**	**-.0046**	**.0081**
Stddev	.6	1.4	.0080	.0040	.0004	.0000	.0001	.0027	.0007
%RSD	.2926	.2726	25.30	33.18	3.736	.1057	.8386	58.53	9.128
#1	189.0	526.2	.0258	.0150	-.0117	-.0024	-.0164	-.0065	.0087
#2	188.2	524.1	.0371	.0093	-.0123	-.0024	-.0166	-.0027	.0076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 12:18:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0024**	**.0122**	**.0091**	**-.0428**	**.0022**	**.0050**
Stddev	.0000	.0002	.0024	.0003	.0017	.0007	.0008
%RSD	7.360	6.329	19.36	3.225	3.854	31.46	15.97
#1	-.0006	.0025	.0139	.0093	-.0440	.0027	.0056
#2	-.0007	.0023	.0106	.0089	-.0416	.0017	.0045
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	**95244.**	**14466.**	**1906.6**	**5712.2**
Stddev	276.	74.	5.1	13.2
%RSD	.28993	.51057	.26530	.23044
#1	95048.	14414.	1910.2	5721.5
#2	95439.	14518.	1903.0	5702.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 12:25:14 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4929**	**.4864**	**1.034**	**.4850**	**.4721**	**.5143**	**.4979**	**.9725**	**1.075**
Stddev	.0277	.0278	.018	.0082	.0115	.0083	.0097	.0142	.018
%RSD	5.629	5.716	1.782	1.682	2.439	1.621	1.958	1.462	1.651
#1	.5126	.5061	1.047	.4907	.4639	.5084	.4910	.9826	1.062
#2	.4733	.4668	1.021	.4792	.4802	.5202	.5047	.9625	1.087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4649**	**.9661**	**1.089**	**.9791**	**.9482**	**1.090**	**1.046**	**481.9**	**370.9**
Stddev	.0101	.0162	.019	.0117	.0157	.017	.014	23.4	20.5
%RSD	2.176	1.675	1.738	1.196	1.658	1.565	1.319	4.862	5.516
#1	.4577	.9776	1.102	.9873	.9593	1.102	1.056	498.4	385.4
#2	.4720	.9547	1.076	.9708	.9371	1.078	1.036	465.3	356.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.8**	**513.7**	**.0078**	**.0015**	**-.0122**	**.4971**	**.5560**	**-.0053**	**.0062**
Stddev	10.9	30.2	.0204	.0026	.0011	.0090	.0115	.0002	.0022
%RSD	5.797	5.873	262.5	173.9	9.232	1.805	2.061	4.514	35.86
#1	195.5	535.1	-.0066	.0034	-.0130	.5034	.5479	-.0051	.0046
#2	180.1	492.4	.0221	-.0003	-.0114	.4907	.5641	-.0054	.0078
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 12:25:14 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0056**	**.5788**	F **.0040**	**.4516**	**.5230**	**.5310**
Stddev	.0000	.0004	.0122	.0018	.0057	.0084	.0299
%RSD	5.824	7.511	2.109	44.85	1.268	1.615	5.627
#1	-.0007	.0059	.5874	.0052	.4556	.5290	.5521
#2	-.0008	.0053	.5702	.0027	.4475	.5171	.5099
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.5000			
Range				-20.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95694.**	**14711.**	**1882.9**	**5658.0**
Stddev	1865.	736.	26.4	72.9
%RSD	1.9494	5.0044	1.4027	1.2879
#1	97013.	14190.	1864.2	5606.5
#2	94375.	15231.	1901.6	5709.5

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/10/2014 12:31:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0002**	**.0002**	**.0026**	**-.0014**	**-.0060**	**.0003**	**-.0002**	**-.0008**
Stddev	.0002	.0000	.0003	.0002	.0001	.0002	.0000	.0001	.0002
%RSD	40.27	20.95	202.3	6.307	4.356	2.735	12.04	46.12	28.81
#1	.0003	.0002	-.0001	.0025	-.0014	-.0061	.0003	-.0001	-.0006
#2	.0006	.0001	.0004	.0027	-.0013	-.0059	.0003	-.0003	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0037**	**.0008**	**.0007**	**-.0001**	**.0004**	**.0033**	**.2393**	**.2276**
Stddev	.0001	.0001	.0000	.0005	.0004	.0003	.0010	.0171	.0123
%RSD	21.32	1.768	3.535	80.09	437.6	82.62	31.20	7.154	5.421
#1	-.0008	.0037	.0009	.0003	.0002	.0007	.0041	.2272	.2189
#2	-.0006	.0036	.0008	.0010	-.0004	.0002	.0026	.2514	.2364

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**210.2**	**.3244**	**-.0235**	**-.0069**	**-.0023**	**-.0112**	**-.0050**	**.0018**	**.0004**
Stddev	.1	.0213	.0301	.0105	.0001	.0001	.0009	.0004	.0003
%RSD	.0517	6.551	128.2	152.1	5.124	1.029	17.88	24.88	73.08
#1	210.1	.3094	-.0448	-.0143	-.0024	-.0112	-.0043	.0021	.0002
#2	210.3	.3395	-.0022	.0005	-.0022	-.0113	-.0056	.0015	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**.0014**	**-.0036**	**.0059**	**.0044**	**.0004**
Stddev	.0000	.0003	.0015	.0000	.0031	.0002	.0008
%RSD	5.584	95.57	104.6	.8933	51.66	3.570	173.3
#1	-.0001	-.0001	.0004	-.0036	.0038	.0045	-.0001
#2	-.0001	-.0005	.0025	-.0036	.0081	.0043	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108530.**	**15059.**	**2127.9**	**7100.2**
Stddev	17.	75.	2.1	5.1
%RSD	.01567	.49737	.09836	.07129
#1	108520.	15112.	2129.4	7103.7
#2	108550.	15006.	2126.5	7096.6

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/10/2014 12:37:46 Type: Unk
Method: Accutest1(v140) Mode: CONC 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**	**-.0003**	**-.0005**	**.0004**	**.0001**	**-.0042**	**-.0001**	**.0018**	**-.0003**
Stddev	.000	.0000	.0000	.0000	.0000	.0003	.0000	.0000	.0001
%RSD	235.6	1.435	5.512	12.76	29.20	6.513	9.011	1.087	39.19
#1	-.0001	-.0003	-.0005	.0004	.0001	-.0040	-.0001	.0018	-.0004
#2	.0000	-.0003	-.0005	.0003	.0001	-.0044	-.0001	.0018	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0002**	**-.0010**	**.0048**	**.0011**	**.0013**	**-.0023**	**-.0104**	**-.0015**
Stddev	.0000	.0000	.0001	.0003	.0003	.0003	.0001	.0007	.0002
%RSD	3.948	5.938	8.874	6.404	23.73	22.38	2.519	6.487	15.63
#1	.0006	.0002	-.0010	.0050	.0010	.0011	-.0023	-.0099	-.0017
#2	.0006	.0002	-.0009	.0046	.0013	.0015	-.0022	-.0109	-.0013

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0031**	**.0160**	**-.0068**	**-.0426**	**-.0024**	**-.0013**	**.0001**	**-.0177**	**-.0020**
Stddev	.0010	.0020	.0129	.0005	.0002	.0001	.0003	.0001	.0000
%RSD	32.90	12.29	190.0	1.120	7.703	8.178	213.5	.5134	1.601
#1	.0024	.0174	.0023	-.0423	-.0025	-.0012	.0003	-.0178	-.0019
#2	.0039	.0146	-.0159	-.0430	-.0022	-.0013	-.0001	-.0177	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0189**	**-.0005**	**-.0047**	**.0020**	**.0010**
Stddev	.0000	.0001	.0003	.0000	.0001	.0000	.0000
%RSD	38.12	30.92	1.410	3.576	1.536	2.178	1.656
#1	-.0001	.0003	-.0191	-.0005	-.0046	.0019	.0010
#2	-.0001	.0002	-.0187	-.0005	-.0047	.0020	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**337670.**	**30990.**	**7961.9**	**24789.**
Stddev	9953.	297.	62.6	185.
%RSD	2.9476	.95894	.78596	.74728
#1	330630.	30780.	8006.1	24920.
#2	344700.	31200.	7917.6	24658.

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 12:44:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.050**	**2.047**	**2.041**	**2.040**	**2.060**	**1.997**	**2.076**	**2.066**	**.2460**
Stddev	.000	.004	.001	.002	.004	.005	.004	.001	.0010
%RSD	.0086	.2010	.0584	.1158	.2031	.2547	.1858	.0341	.4150
#1	2.050	2.050	2.040	2.039	2.063	1.994	2.079	2.065	.2468
#2	2.050	2.044	2.042	2.042	2.057	2.001	2.073	2.066	.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	**2.014**	**2.072**	**2.026**	**2.110**	**2.066**	**2.044**	**2.028**	**39.57**	**41.22**
Stddev	.001	.001	.001	.009	.001	.004	.002	.04	.10
%RSD	.0390	.0413	.0620	.4131	.0644	.1886	.0878	.1110	.2533
#1	2.013	2.071	2.025	2.104	2.065	2.041	2.027	39.60	41.30
#2	2.015	2.072	2.027	2.116	2.067	2.047	2.030	39.54	41.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.08**	**40.66**	**40.23**	**40.12**	**2.048**	**2.061**	**2.000**	**5.039**	**2.080**
Stddev	.05	.06	.05	.01	.002	.005	.004	.005	.004
%RSD	.1314	.1534	.1160	.0318	.0725	.2533	.1789	.1089	.1992
#1	41.12	40.71	40.26	40.11	2.047	2.057	1.998	5.035	2.077
#2	41.04	40.62	40.19	40.13	2.049	2.064	2.003	5.043	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: 6/10/2014 12:44:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.104**	**2.037**	**1.926**	**2.039**	**1.988**	**2.035**	**2.022**
Stddev	.003	.001	.022	.000	.009	.003	.001
%RSD	.1256	.0285	1.136	.0051	.4605	.1506	.0351
#1	2.106	2.038	1.911	2.039	1.981	2.033	2.022
#2	2.102	2.037	1.941	2.039	1.994	2.037	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104280.**	**14852.**	**2061.3**	**6363.2**
Stddev	223.	9.	1.7	8.1
%RSD	.21431	.06038	.08236	.12801
#1	104130.	14846.	2062.5	6368.9
#2	104440.	14859.	2060.1	6357.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 12:50:12 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0004**	**.0004**	**.0003**	**.0004**	**.0004**	**.0004**	**.0004**	**.0001**
Stddev	.0001	.0000	.0001	.0001	.0003	.0001	.0000	.0004	.0001
%RSD	10.43	.2403	18.52	22.82	71.86	16.40	12.91	101.3	210.3
#1	.0006	.0004	.0004	.0004	.0002	.0004	.0004	.0006	.0000
#2	.0005	.0004	.0003	.0003	.0006	.0003	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0002**	**.0005**	**.0004**	**.0003**	**.0005**	**-.0009**	**.0052**	**.0061**
Stddev	.0000	.0001	.0000	.0015	.0002	.0002	.0003	.0003	.0011
%RSD	2.783	37.88	.6186	361.4	50.16	41.59	36.17	6.040	18.10
#1	.0005	.0001	.0005	.0014	.0002	.0003	-.0006	.0054	.0069
#2	.0005	.0002	.0005	-.0006	.0004	.0006	-.0011	.0050	.0053
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	**.0091**	**.0270**	**.0305**	**.0043**	**.0009**	**.0019**	**.0007**	**.0017**	**-.0001**
Stddev	.0025	.0055	.0066	.0056	.0000	.0007	.0004	.0009	.0004
%RSD	27.39	20.55	21.79	129.6	4.353	35.61	55.82	53.92	302.8
#1	.0109	.0231	.0352	.0004	.0010	.0024	.0004	.0011	-.0004
#2	.0074	.0309	.0258	.0082	.0009	.0014	.0009	.0024	.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: 6/10/2014 12:50:12 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	F **.0132**	**.0010**	**.0005**	**.0005**	**.0001**
Stddev	.0001	.0005	.0024	.0001	.0008	.0002	.0006
%RSD	19.85	166.6	17.95	7.329	143.3	39.36	617.9
#1	.0004	-.0001	.0149	.0009	.0000	.0003	-.0003
#2	.0003	.0006	.0115	.0010	.0011	.0006	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123				
Low Limit			-.0123				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109300.**	**14989.**	**2161.8**	**7117.2**
Stddev	153.	71.	1.6	5.6
%RSD	.14019	.47039	.07569	.07908
#1	109410.	14939.	2160.6	7121.2
#2	109200.	15039.	2163.0	7113.2

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:59:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0012**	**.0010**	**.0033**	**.0023**	**.0019**	**.0034**	**.0042**	**.0010**
Stddev	.0001	.0001	.0001	.0002	.0004	.0001	.0000	.0001	.0004
%RSD	1.712	4.754	13.06	5.037	18.02	2.704	.9796	1.552	38.97
#1	.0042	.0013	.0011	.0032	.0026	.0019	.0034	.0042	.0013
#2	.0043	.0012	.0009	.0034	.0020	.0018	.0034	.0042	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	F **.0131**	**.0031**	**.0015**	**.0029**	F **.0088**	**.0026**	**.1044**	**1.059**
Stddev	.0002	.0000	.0003	.0005	.0004	.0031	.0007	.0061	.003
%RSD	7.915	.0441	10.41	32.22	12.39	35.32	24.67	5.840	.2790
#1	.0023	.0131	.0034	.0018	.0026	.0110	.0031	.1001	1.061
#2	.0021	.0131	.0029	.0011	.0031	.0066	.0022	.1087	1.056
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.0100				.0050			
Range		30.00%				30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	F **.1399**	**2.114**	**1.030**	**.0099**	**.0001**	**-.0003**	**-.0026**	**-.0006**
Stddev	.0017	.0284	.005	.003	.0008	.0000	.0004	.0004	.0003
%RSD	19.41	20.32	.2543	.2645	8.326	65.61	119.6	14.77	44.66
#1	.0074	.1198	2.118	1.032	.0105	.0000	.0000	-.0023	-.0004
#2	.0098	.1600	2.110	1.028	.0093	.0001	-.0006	-.0029	-.0008
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:59:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0044**	**.0000**	**.0011**	**.0006**	**.0000**
Stddev	.0001	.0001	.0001	.000	.0006	.0007	.001
%RSD	37.46	71.17	1.416	33.39	54.63	113.3	3414.
#1	.0001	.0001	-.0043	.0000	.0007	.0011	.0003
#2	.0002	.0003	-.0044	.0000	.0015	.0001	-.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110600.**	**15101.**	**2162.7**	**7079.3**
Stddev	451.	75.	1.1	10.0
%RSD	.40779	.49943	.05231	.14190
#1	110920.	15048.	2161.9	7072.2
#2	110280.	15155.	2163.5	7086.4

Zoom In Zoom Out

Sample Name: mp79919-b1 2 Acquired: 6/10/2014 13:05:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.064**	**.0539**	**.0505**	**.5102**	**.2123**	**.2474**	**.5321**	**.5247**	**.0523**
Stddev	.004	.0001	.0001	.0007	.0006	.0006	.0016	.0002	.0003
%RSD	.1973	.2103	.1140	.1305	.2980	.2414	.3091	.0470	.5404
#1	2.067	.0540	.0505	.5107	.2119	.2470	.5310	.5245	.0521
#2	2.061	.0538	.0505	.5097	.2128	.2478	.5333	.5249	.0525

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4977**	**.5329**	**2.093**	**2.234**	**.5273**	**2.255**	**.5224**	**1.982**	**25.96**
Stddev	.0016	.0007	.005	.004	.0020	.009	.0002	.011	.05
%RSD	.3162	.1286	.2239	.1768	.3731	.4143	.0336	.5317	.1827
#1	.4966	.5333	2.096	2.231	.5287	2.262	.5225	1.990	25.99
#2	.4988	.5324	2.090	2.237	.5259	2.249	.5222	1.975	25.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.094**	**26.37**	**25.74**	**25.55**	**2.097**	**2.133**	**2.159**	**2.014**	**2.108**
Stddev	.007	.08	.08	.05	.006	.003	.006	.007	.006
%RSD	.6408	.3040	.2920	.1898	.2847	.1448	.2843	.3621	.2657
#1	1.089	26.31	25.79	25.58	2.101	2.135	2.154	2.019	2.112
#2	1.099	26.43	25.68	25.51	2.092	2.131	2.163	2.009	2.104

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.133**	**2.044**	**.0029**	**.0134**	**.0029**	**-.0030**	**.0003**
Stddev	.001	.003	.0006	.0007	.0006	.0010	.0005
%RSD	.0249	.1211	19.72	4.964	20.96	32.93	179.7
#1	2.133	2.042	.0033	.0138	.0025	-.0037	.0007
#2	2.132	2.046	.0025	.0129	.0034	-.0023	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107550.**	**15175.**	**2094.6**	**6611.7**
Stddev	265.	1.	5.1	6.7
%RSD	.24653	.00798	.24276	.10147
#1	107740.	15174.	2091.0	6607.0
#2	107370.	15176.	2098.2	6616.5

Zoom In Zoom Out

Sample Name: mp79934-s1 Acquired: 6/10/2014 13:11:51 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.169**	**.0539**	**.0526**	**.5311**	**.2112**	**.2583**	**.9213**	**.5469**	**.0567**
Stddev	.002	.0001	.0000	.0003	.0007	.0013	.0026	.0001	.0002
%RSD	.0958	.1934	.0330	.0615	.3336	.5060	.2794	.0182	.2705
#1	2.167	.0540	.0526	.5313	.2107	.2592	.9195	.5470	.0566
#2	2.170	.0539	.0526	.5309	.2117	.2574	.9231	.5468	.0568

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5046**	**.5315**	**2.258**	**2.128**	**.5345**	**2.443**	**.5450**	**2.093**	**137.6**
Stddev	.0003	.0008	.000	.001	.0014	.002	.0021	.012	.1
%RSD	.0555	.1449	.0119	.0483	.2602	.0770	.3815	.5700	.0546
#1	.5044	.5320	2.258	2.129	.5335	2.442	.5435	2.085	137.6
#2	.5048	.5310	2.258	2.127	.5355	2.444	.5465	2.102	137.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.295**	**73.35**	**32.04**	**502.8**	**.0518**	**.0058**	**-.0048**	**8.376**	**.0020**
Stddev	.001	.09	.07	5.9	.0011	.0003	.0000	.009	.0001
%RSD	.0406	.1235	.2258	1.177	2.213	4.570	.4831	.1076	5.355
#1	2.296	73.28	31.99	507.0	.0510	.0060	-.0048	8.369	.0020
#2	2.294	73.41	32.09	498.7	.0526	.0056	-.0048	8.382	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2003**	**.0010**	**-.0030**	**.0189**	**201.4**	**-.0008**	**.0149**
Stddev	.0000	.0001	.0010	.0000	.5	.0008	.0004
%RSD	.0250	14.53	34.92	.0398	.2428	101.1	2.909
#1	.2003	.0009	-.0022	.0189	201.8	-.0002	.0146
#2	.2003	.0011	-.0037	.0189	201.1	-.0014	.0152

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96455.**	**14623.**	**1902.7**	**5635.5**
Stddev	53.	6.	1.1	1.4
%RSD	.05468	.04154	.05880	.02450
#1	96493.	14618.	1903.5	5636.5
#2	96418.	14627.	1901.9	5634.5

Zoom In Zoom Out

Sample Name: mp79934-s2 Acquired: 6/10/2014 13:18:01 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.042**	**.0507**	**.0492**	**.5023**	**.1994**	**.2444**	**.8685**	**.5172**	**.0529**
Stddev	.001	.0001	.0001	.0010	.0003	.0013	.0004	.0006	.0005
%RSD	.0343	.2694	.1292	.2017	.1592	.5205	.0497	.1094	.9191
#1	2.043	.0508	.0493	.5015	.1996	.2435	.8682	.5168	.0525
#2	2.042	.0506	.0492	.5030	.1992	.2453	.8688	.5176	.0532

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4765**	**.5037**	**2.133**	**2.024**	**.5075**	**2.303**	**.5144**	**1.969**	**129.2**
Stddev	.0009	.0016	.009	.003	.0013	.011	.0008	.003	.1
%RSD	.1964	.3190	.4026	.1449	.2560	.4636	.1518	.1409	.1073
#1	.4758	.5026	2.127	2.026	.5066	2.295	.5139	1.967	129.1
#2	.4772	.5049	2.139	2.022	.5084	2.310	.5150	1.971	129.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.158**	**68.70**	**30.22**	**468.9**	**.0477**	**.0046**	**-.0048**	**7.893**	**.0026**
Stddev	.006	.10	.05	9.0	.0014	.0001	.0003	.022	.0006
%RSD	.2848	.1386	.1542	1.928	3.023	2.527	6.025	.2822	23.09
#1	2.163	68.77	30.25	475.3	.0467	.0045	-.0046	7.878	.0022
#2	2.154	68.64	30.18	462.6	.0487	.0047	-.0050	7.909	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1887**	**.0012**	**-.0055**	**.0176**	**190.6**	**-.0003**	**.0140**
Stddev	.0006	.0002	.0007	.0002	.2	.0001	.0002
%RSD	.2982	19.22	12.64	.9398	.1101	32.67	1.335
#1	.1883	.0013	-.0050	.0175	190.5	-.0002	.0141
#2	.1891	.0010	-.0060	.0178	190.8	-.0004	.0139

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97108.**	**14808.**	**1911.9**	**5666.3**
Stddev	155.	47.	3.8	8.8
%RSD	.15935	.31917	.19840	.15556
#1	97217.	14775.	1914.5	5672.5
#2	96998.	14842.	1909.2	5660.0

Zoom In Zoom Out

Sample Name: jb68735-18 Acquired: 6/10/2014 13:24:11 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0696**	**.0001**	**.0004**	**.0025**	**.0024**	**.0026**	**.3928**	**.0066**	**-.0002**
Stddev	.0002	.0000	.0003	.0001	.0001	.0004	.0000	.0000	.0000
%RSD	.2845	26.54	86.74	5.246	2.228	15.42	.0076	.1116	6.400
#1	.0694	.0001	.0001	.0026	.0024	.0023	.3928	.0066	-.0002
#2	.0697	.0001	.0006	.0024	.0023	.0029	.3928	.0066	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**-.0037**	**.0016**	**.0010**	**.0051**	**.0087**	**.0033**	**.0504**	**108.8**
Stddev	.0002	.0001	.0001	.0002	.0011	.0005	.0012	.0065	.0
%RSD	31.07	1.830	4.200	18.24	21.48	6.033	35.09	12.85	.0309
#1	.0006	-.0036	.0016	.0011	.0044	.0083	.0025	.0458	108.8
#2	.0010	-.0037	.0017	.0008	.0059	.0090	.0042	.0550	108.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.171**	**45.28**	**5.023**	**464.6**	**.0514**	**.0045**	**-.0033**	**8.187**	**.0024**
Stddev	.001	.09	.005	2.4	.0003	.0001	.0001	.024	.0004
%RSD	.0734	.1910	.0927	.5238	.5660	2.863	2.559	.2918	14.54
#1	1.172	45.22	5.020	462.9	.0516	.0046	-.0032	8.170	.0022
#2	1.171	45.34	5.026	466.3	.0512	.0044	-.0033	8.204	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1953**	**.0006**	**-.0104**	**.0181**	**198.3**	**-.0008**	**.0150**
Stddev	.0001	.0003	.0004	.0000	1.2	.0013	.0001
%RSD	.0392	51.82	4.027	.1503	.5955	150.5	.8116
#1	.1953	.0004	-.0101	.0181	197.5	.0001	.0149
#2	.1952	.0009	-.0107	.0181	199.2	-.0017	.0150

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96453.**	**14721.**	**1933.6**	**5703.9**
Stddev	59.	58.	5.8	9.4
%RSD	.06162	.39267	.29859	.16427
#1	96495.	14762.	1937.6	5710.5
#2	96411.	14680.	1929.5	5697.2

Zoom In Zoom Out

Sample Name: mp79934-sd1 Acquired: 6/10/2014 13:30:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0699**	**-.0003**	**.0004**	**.0003**	**.0043**	**.0045**	**.4011**	**.0062**	**.0009**
Stddev	.0000	.0002	.0028	.0018	.0009	.0002	.0007	.0006	.0001
%RSD	.0171	62.21	613.7	539.1	20.17	5.377	.1777	10.44	15.77
#1	.0699	-.0004	.0024	.0016	.0049	.0047	.4016	.0067	.0008
#2	.0699	-.0002	-.0015	-.0009	.0037	.0043	.4006	.0058	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0512**	**.0022**	**.0153**	**.0073**	**.0213**	**.0056**	**.0780**	**111.2**
Stddev	.0000	.0005	.0003	.0037	.0019	.0009	.0022	.0156	.3
%RSD	3.538	1.021	12.77	24.21	26.27	4.460	38.73	19.93	.2756
#1	.0013	.0515	.0020	.0179	.0087	.0206	.0072	.0890	111.0
#2	.0013	.0508	.0023	.0126	.0060	.0220	.0041	.0670	111.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.213**	**46.21**	**5.077**	**500.5**	**.0500**	**.0024**	**-.0070**	**8.272**	**.0055**
Stddev	.004	.03	.035	.6	.0016	.0001	.0025	.033	.0000
%RSD	.3044	.0656	.6860	.1121	3.201	3.269	36.07	.3977	.6506
#1	1.215	46.23	5.102	500.8	.0489	.0024	-.0052	8.248	.0055
#2	1.210	46.19	5.053	500.1	.0511	.0023	-.0088	8.295	.0055

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1945**	**.0001**	**-.0653**	**.0155**	**192.8**	**.0002**	**.0188**
Stddev	.0010	.0002	.0035	.0009	.9	.0043	.0058
%RSD	.5238	258.3	5.392	5.646	.4661	1935.	31.05
#1	.1952	.0002	-.0628	.0149	193.5	-.0028	.0229
#2	.1938	-.0001	-.0678	.0162	192.2	.0033	.0147

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104980.**	**14958.**	**2092.6**	**6485.9**
Stddev	75.	99.	5.2	12.7
%RSD	.07172	.66298	.24686	.19522
#1	104930.	15028.	2096.2	6494.8
#2	105030.	14888.	2088.9	6476.9

Zoom In Zoom Out

Sample Name: mp79933-s1 Acquired: 6/10/2014 13:36:42 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.339**	**.0528**	**.0504**	**.5148**	**.2079**	**.2560**	**1.306**	**.5274**	**.0058**
Stddev	.005	.0001	.0000	.0007	.0015	.0005	.002	.0016	.0005
%RSD	.2072	.1512	.0802	.1443	.7049	.1772	.1392	.2976	8.645
#1	2.336	.0528	.0504	.5143	.2069	.2563	1.307	.5263	.0062
#2	2.342	.0529	.0504	.5154	.2090	.2557	1.305	.5285	.0055

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5091**	**.5374**	**2.138**	**2.111**	**.5212**	**2.288**	**.5243**	**2.011**	**93.45**
Stddev	.0005	.0004	.004	.010	.0017	.002	.0010	.007	.05
%RSD	.0902	.0674	.1733	.4747	.3245	.1032	.1840	.3286	.0579
#1	.5094	.5371	2.136	2.104	.5200	2.287	.5250	2.007	93.48
#2	.5087	.5376	2.141	2.118	.5224	2.290	.5236	2.016	93.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.331**	**37.49**	**33.43**	**251.2**	**.0245**	**.0015**	**-.0039**	**5.456**	**.0030**
Stddev	.003	.07	.07	1.3	.0002	.0000	.0004	.005	.0000
%RSD	.1320	.1913	.2132	.5277	.7776	2.664	10.19	.1016	.2415
#1	2.329	37.54	33.38	250.3	.0246	.0016	-.0036	5.452	.0030
#2	2.333	37.44	33.49	252.2	.0244	.0015	-.0041	5.460	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3052**	**.0017**	**-.0050**	**.0017**	**13.33**	**.0000**	**.0038**
Stddev	.0000	.0004	.0005	.0000	.05	.000	.0009
%RSD	.0063	21.64	9.418	1.585	.3929	2355.	23.90
#1	.3052	.0015	-.0047	.0017	13.29	.0001	.0032
#2	.3052	.0020	-.0053	.0017	13.36	-.0002	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98408.**	**14807.**	**1956.8**	**5914.5**
Stddev	83.	20.	3.6	11.7
%RSD	.08453	.13446	.18443	.19704
#1	98349.	14792.	1959.3	5922.7
#2	98467.	14821.	1954.2	5906.3

Zoom In Zoom Out

Sample Name: mp79933-s2 Acquired: 6/10/2014 13:42:51 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.347**	**.0532**	**.0499**	**.5094**	**.2066**	**.2526**	**1.295**	**.5223**	**.0057**
Stddev	.012	.0002	.0012	.0109	.0005	.0009	.010	.0124	.0003
%RSD	.5065	.3342	2.432	2.140	.2603	.3655	.7716	2.376	4.440
#1	2.339	.0530	.0507	.5171	.2070	.2532	1.302	.5311	.0059
#2	2.356	.0533	.0490	.5017	.2063	.2519	1.288	.5135	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5024**	**.5277**	**2.118**	**2.093**	**.5166**	**2.263**	**.5182**	**2.008**	**93.82**
Stddev	.0028	.0123	.051	.043	.0117	.052	.0118	.000	.44
%RSD	.5629	2.333	2.433	2.048	2.266	2.298	2.272	.0075	.4730
#1	.5044	.5364	2.154	2.123	.5249	2.300	.5266	2.008	93.51
#2	.5004	.5190	2.081	2.063	.5083	2.226	.5099	2.008	94.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.337**	**37.27**	**33.05**	**250.5**	**.0243**	**.0014**	**-.0039**	**5.430**	**.0017**
Stddev	.012	.10	.15	1.0	.0004	.0000	.0016	.126	.0003
%RSD	.5293	.2622	.4556	.3978	1.579	1.594	41.06	2.323	18.76
#1	2.328	37.20	32.94	251.2	.0245	.0014	-.0051	5.520	.0019
#2	2.345	37.34	33.16	249.8	.0240	.0013	-.0028	5.341	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3084**	**.0020**	**-.0072**	**.0012**	**13.25**	**-.0007**	**.0039**
Stddev	.0014	.0002	.0012	.0001	.32	.0002	.0004
%RSD	.4386	11.41	16.56	12.48	2.383	34.44	10.75
#1	.3074	.0019	-.0064	.0011	13.47	-.0008	.0042
#2	.3094	.0022	-.0081	.0013	13.03	-.0005	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99370.**	**14709.**	**1971.2**	**5964.1**
Stddev	611.	37.	38.6	113.2
%RSD	.61457	.25429	1.9578	1.8973
#1	98938.	14736.	1943.9	5884.1
#2	99802.	14683.	1998.5	6044.1

Zoom In Zoom Out

Sample Name: jb68735-6 Acquired: 6/10/2014 13:49:01 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2878**	**.0000**	**.0002**	**.0012**	**.0012**	**.0014**	**.7892**	**.0011**	**-.0002**
Stddev	.0002	.0000	.0001	.0001	.0001	.0002	.0009	.0001	.0001
%RSD	.0689	21.79	46.65	9.022	6.332	11.42	.1176	8.760	56.44
#1	.2879	.0000	.0002	.0011	.0011	.0013	.7898	.0010	-.0001
#2	.2876	.0000	.0003	.0013	.0013	.0016	.7885	.0011	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0085**	**.0003**	**.0023**	**.0024**	**.0072**	**.0003**	**.0081**	**69.23**
Stddev	.0002	.0002	.0007	.0006	.0013	.0003	.0014	.0000	.15
%RSD	391.1	1.968	249.3	28.49	52.65	3.583	412.8	.2164	.2169
#1	-.0002	.0087	.0008	.0027	.0033	.0074	.0013	.0081	69.34
#2	.0001	.0084	-.0002	.0018	.0015	.0070	-.0006	.0082	69.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.294**	**11.90**	**6.794**	**226.4**	**.0248**	**.0003**	**-.0019**	**5.425**	**.0027**
Stddev	.004	.04	.009	1.7	.0001	.0000	.0004	.015	.0004
%RSD	.2686	.3012	.1281	.7674	.5652	14.03	21.10	.2721	15.24
#1	1.296	11.93	6.800	225.2	.0247	.0002	-.0022	5.435	.0029
#2	1.291	11.88	6.788	227.7	.0249	.0003	-.0016	5.415	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3077**	**.0009**	**-.0088**	**.0005**	**13.32**	**.0003**	**.0033**
Stddev	.0000	.0002	.0006	.0001	.07	.0010	.0005
%RSD	.0052	21.41	6.534	15.77	.5223	288.4	15.03
#1	.3077	.0010	-.0092	.0005	13.37	.0010	.0030
#2	.3077	.0007	-.0084	.0004	13.27	-.0004	.0037

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100110.**	**14753.**	**1989.3**	**6072.2**
Stddev	32.	58.	4.4	23.2
%RSD	.03220	.39071	.21956	.38157
#1	100080.	14712.	1986.2	6055.8
#2	100130.	14793.	1992.3	6088.6

Zoom In Zoom Out

Sample Name: mp79933-sd1 Acquired: 6/10/2014 13:55:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2867**	**-.0002**	**.0005**	**-.0004**	**.0035**	**.0023**	**.7970**	**.0008**	**-.0007**
Stddev	.0003	.0000	.0002	.0001	.0004	.0002	.0037	.0013	.0006
%RSD	.1003	13.11	38.53	23.62	9.943	9.114	.4582	157.8	96.63
#1	.2869	-.0002	.0007	-.0005	.0033	.0022	.7944	-.0001	-.0011
#2	.2865	-.0001	.0004	-.0003	.0038	.0025	.7996	.0018	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0199**	**.0006**	**.0047**	**.0033**	**.0229**	**-.0032**	**.0171**	**68.79**
Stddev	.0010	.0002	.0008	.0089	.0000	.0070	.0029	.0144	.06
%RSD	307.1	.8371	130.7	190.9	.6359	30.52	92.61	84.59	.0873
#1	-.0004	.0198	.0000	.0110	.0033	.0279	-.0052	.0069	68.75
#2	.0010	.0201	.0012	-.0016	.0033	.0180	-.0011	.0273	68.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.303**	**12.03**	**6.689**	**230.7**	**.0165**	**-.0024**	**-.0020**	**5.492**	**.0065**
Stddev	.015	.00	.082	.3	.0023	.0006	.0012	.022	.0033
%RSD	1.132	.0115	1.228	.1251	14.05	23.76	57.84	.4030	50.94
#1	1.313	12.03	6.748	230.9	.0181	-.0028	-.0029	5.476	.0088
#2	1.292	12.03	6.631	230.5	.0148	-.0020	-.0012	5.508	.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3055**	**-.0002**	**-.0696**	**-.0019**	**12.99**	**.0018**	**.0067**
Stddev	.0015	.0020	.0027	.0004	.01	.0010	.0015
%RSD	.4809	819.7	3.825	22.71	.0999	55.11	21.82
#1	.3065	-.0017	-.0715	-.0022	12.98	.0011	.0077
#2	.3044	.0012	-.0677	-.0016	13.00	.0025	.0056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105820.**	**14994.**	**2100.7**	**6649.4**
Stddev	167.	21.	5.3	11.3
%RSD	.15789	.14280	.25423	.17023
#1	105940.	15009.	2104.5	6657.4
#2	105710.	14978.	2096.9	6641.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 14:01:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**2.027**	**2.010**	**2.014**	**2.019**	**2.023**	**2.070**	**2.040**	**.2443**
Stddev	.005	.003	.003	.003	.005	.002	.003	.006	.0007
%RSD	.2493	.1209	.1602	.1632	.2570	.0919	.1498	.2761	.3042
#1	2.038	2.029	2.012	2.017	2.023	2.022	2.072	2.044	.2438
#2	2.031	2.025	2.008	2.012	2.016	2.024	2.068	2.036	.2449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.045**	**2.041**	**1.989**	**2.063**	**2.047**	**2.017**	**2.008**	**39.86**	**39.99**
Stddev	.000	.006	.000	.003	.005	.003	.003	.06	.07
%RSD	.0119	.2976	.0198	.1654	.2684	.1341	.1520	.1425	.1706
#1	2.045	2.046	1.989	2.060	2.051	2.015	2.006	39.90	39.94
#2	2.045	2.037	1.990	2.065	2.043	2.019	2.010	39.82	40.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.82**	**39.40**	**40.26**	**40.32**	**2.022**	**2.034**	**1.999**	**4.987**	**2.039**
Stddev	.01	.02	.08	.07	.000	.002	.001	.007	.003
%RSD	.0291	.0398	.2008	.1738	.0065	.1060	.0267	.1463	.1264
#1	39.81	39.41	40.31	40.37	2.022	2.036	1.999	4.992	2.041
#2	39.83	39.39	40.20	40.27	2.022	2.033	2.000	4.982	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 14:01:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.030**	**1.881**	**2.003**	**1.950**	**2.017**	**1.999**
Stddev	.004	.003	.022	.004	.000	.004	.007
%RSD	.2178	.1610	1.147	.2116	.0016	.1725	.3308
#1	2.051	2.032	1.866	2.006	1.950	2.020	2.003
#2	2.045	2.027	1.897	2.000	1.950	2.015	1.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104110.**	**14842.**	**2083.3**	**6414.0**
Stddev	49.	58.	2.5	9.8
%RSD	.04704	.39074	.12010	.15333
#1	104070.	14883.	2081.5	6407.1
#2	104140.	14801.	2085.1	6421.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 14:16:35 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0008**	**.0005**	**.0007**	**.0010**	**.0011**	**.0011**	**.0007**	**.0000**
Stddev	.0002	.0000	.0000	.0002	.0003	.0003	.0001	.0001	.0001
%RSD	16.25	5.569	1.817	24.06	31.64	31.56	8.763	20.58	388.0
#1	.0010	.0007	.0005	.0008	.0008	.0008	.0010	.0008	.0001
#2	.0008	.0008	.0005	.0006	.0013	.0013	.0011	.0006	.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	**.0011**	**.0008**	**.0008**	**.0012**	**-.0002**	**.0041**	**.0004**	**.0146**	**.0155**
Stddev	.0004	.0002	.0002	.0007	.0000	.0008	.0003	.0010	.0047
%RSD	33.80	20.79	32.82	55.33	9.533	20.46	70.67	6.558	30.48
#1	.0008	.0009	.0006	.0017	-.0002	.0035	.0002	.0139	.0122
#2	.0013	.0007	.0009	.0008	-.0002	.0047	.0005	.0153	.0189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0178**	**.0425**	**.0754**	**.0350**	**.0002**	**.0003**	**.0014**	**.0017**	**.0006**
Stddev	.0032	.0059	.0199	.0003	.0007	.0001	.0001	.0007	.0004
%RSD	18.22	13.99	26.47	.9519	399.0	24.10	5.383	40.09	73.24
#1	.0155	.0383	.0895	.0348	.0007	.0004	.0014	.0012	.0003
#2	.0201	.0467	.0613	.0352	-.0003	.0003	.0015	.0022	.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 14:16:35 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0008**	**-.0055**	**.0004**	**.0012**	**.0003**	**.0019**
Stddev	.0002	.0001	.0009	.0002	.0007	.0001	.0005
%RSD	19.88	14.13	16.42	58.16	60.62	45.62	25.84
#1	.0007	.0009	-.0049	.0002	.0017	.0002	.0015
#2	.0009	.0007	-.0062	.0005	.0007	.0004	.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111180.**	**15111.**	**2181.9**	**7184.0**
Stddev	161.	18.	3.5	2.7
%RSD	.14523	.11705	.16240	.03695
#1	111060.	15098.	2184.4	7185.9
#2	111290.	15123.	2179.4	7182.1

Zoom In Zoom Out

Sample Name: mp79946-mb1 2 Acquired: 6/10/2014 14:23:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0001**	**.0000**	**.0003**	**.0013**	**.0003**	**.0003**	**.0003**	**.0000**
Stddev	.0001	.0000	.0002	.0001	.0003	.0002	.0000	.0003	.000
%RSD	21.11	38.27	402.5	42.54	23.86	65.96	9.393	86.86	342.5
#1	.0002	.0001	.0002	.0004	.0015	.0002	.0003	.0001	.0001
#2	.0003	.0002	-.0001	.0002	.0011	.0005	.0003	.0005	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0011**	**.0004**	**.0013**	**.0006**	**.0031**	**-.0002**	**-.0007**	**.0053**
Stddev	.0001	.0000	.0002	.0014	.0003	.0003	.0001	.0051	.0016
%RSD	22.77	4.115	43.93	108.2	41.37	10.31	58.56	759.8	29.24
#1	.0002	.0011	.0003	.0023	.0008	.0029	-.0003	.0030	.0042
#2	.0003	.0011	.0005	.0003	.0004	.0034	-.0001	-.0043	.0064

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0084**	**.0073**	**.0421**	**.0089**	**-.0001**	**-.0004**	**.0004**	**.0051**	**.0059**
Stddev	.0002	.0178	.0076	.0116	.0000	.0001	.0005	.0004	.0002
%RSD	2.657	242.9	18.00	130.2	3.178	27.68	113.7	8.328	3.895
#1	.0082	-.0053	.0367	.0172	-.0001	-.0004	.0001	.0048	.0061
#2	.0086	.0199	.0475	.0007	-.0001	-.0003	.0008	.0054	.0058

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0005**	**-.0103**	**-.0001**	**.0071**	**-.0002**	**.0004**
Stddev	.0001	.0001	.0003	.0001	.0014	.0001	.0005
%RSD	152.6	27.91	2.451	53.72	19.08	58.50	138.7
#1	.0000	.0004	-.0105	-.0001	.0081	-.0003	.0007
#2	.0002	.0005	-.0101	-.0002	.0061	-.0001	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111780.**	**15233.**	**2170.5**	**7168.0**
Stddev	89.	56.	2.0	.3
%RSD	.07919	.37017	.09205	.00460
#1	111840.	15273.	2171.9	7168.2
#2	111720.	15193.	2169.0	7167.7

Zoom In Zoom Out

Sample Name: mp79946-lc1 Acquired: 6/10/2014 14:30:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.341**	**.6834**	**.7782**	**.3586**	**.6210**	**.3424**	**3.001**	**1.676**	**.2293**
Stddev	.000	.0002	.0004	.0003	.0023	.0001	.006	.001	.0002
%RSD	.0057	.0339	.0454	.0713	.3635	.0368	.1870	.0848	.0656
#1	1.341	.6835	.7779	.3584	.6194	.3423	2.997	1.677	.2292
#2	1.341	.6832	.7784	.3588	.6226	.3424	3.004	1.675	.2294

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6046**	**1.631**	**.7789**	**1.472**	**1.334**	**.9033**	**.4587**	**45.96**	**32.88**
Stddev	.0010	.002	.0004	.001	.003	.0030	.0003	.06	.12
%RSD	.1638	.1357	.0508	.0820	.2187	.3266	.0615	.1264	.3793
#1	.6053	1.629	.7786	1.473	1.336	.9054	.4589	46.00	32.97
#2	.6039	1.632	.7792	1.471	1.332	.9012	.4585	45.92	32.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**66.04**	**18.56**	**16.22**	**3.854**	**.6334**	**.4152**	**-.0108**	**3.293**	**.6008**
Stddev	.20	.07	.05	.016	.0020	.0001	.0014	.001	.0013
%RSD	.3091	.3842	.2838	.4146	.3156	.0208	13.29	.0200	.2161
#1	66.19	18.61	16.25	3.865	.6320	.4153	-.0118	3.293	.6017
#2	65.90	18.51	16.18	3.843	.6349	.4152	-.0098	3.294	.5999

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5884**	**1.609**	**.0009**	**.0455**	**1.186**	**-.0049**	**.0425**
Stddev	.0004	.001	.0001	.0001	.003	.0005	.0008
%RSD	.0690	.0887	5.447	.1272	.2731	10.74	1.960
#1	.5887	1.608	.0010	.0455	1.189	-.0052	.0431
#2	.5881	1.610	.0009	.0454	1.184	-.0045	.0419

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108580.**	**15546.**	**2162.3**	**6666.0**
Stddev	215.	98.	1.5	3.6
%RSD	.19797	.63352	.06860	.05368
#1	108740.	15476.	2163.4	6663.4
#2	108430.	15615.	2161.3	6668.5

Zoom In Zoom Out

Sample Name: mp79946-b1 Acquired: 6/10/2014 14:36:07 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.992**	**.1024**	**.0952**	**.9762**	**.4047**	**.4726**	**1.019**	**1.000**	**.0998**
Stddev	.003	.0001	.0005	.0034	.0023	.0035	.009	.002	.0003
%RSD	.0811	.1416	.5083	.3517	.5731	.7475	.8754	.2251	.3487
#1	3.990	.1023	.0949	.9737	.4031	.4701	1.013	.9989	.0996
#2	3.994	.1025	.0956	.9786	.4064	.4751	1.026	1.002	.1000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9454**	**1.017**	**3.967**	**4.228**	**.9993**	**4.252**	**.9776**	**51.51**	**12.47**
Stddev	.0103	.004	.008	.013	.0035	.014	.0026	.03	.04
%RSD	1.088	.4080	.2128	.2954	.3548	.3208	.2683	.0636	.3363
#1	.9381	1.014	3.961	4.220	.9968	4.243	.9757	51.49	12.50
#2	.9527	1.020	3.973	4.237	1.002	4.262	.9794	51.54	12.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.67**	**12.37**	**12.29**	**12.50**	**.9671**	**1.002**	**1.001**	**.8541**	**1.005**
Stddev	.03	.02	.00	.01	.0023	.003	.006	.0017	.005
%RSD	.0496	.1359	.0287	.0628	.2348	.3377	.6143	.2034	.5046
#1	51.69	12.38	12.28	12.50	.9655	.9999	.9970	.8529	1.001
#2	51.65	12.36	12.29	12.49	.9687	1.005	1.006	.8553	1.009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.011**	**.9602**	**-.0009**	**.0066**	**.0034**	**-.0018**	**.0013**
Stddev	.001	.0084	.0018	.0002	.0036	.0011	.0002
%RSD	.0715	.8747	203.5	3.496	104.3	62.69	14.09
#1	1.011	.9543	.0004	.0068	.0009	-.0010	.0011
#2	1.012	.9661	-.0022	.0065	.0060	-.0026	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108080.**	**15091.**	**2106.6**	**6651.6**
Stddev	749.	85.	6.1	15.0
%RSD	.69290	.56134	.29041	.22508
#1	108610.	15031.	2110.9	6662.2
#2	107550.	15151.	2102.2	6641.0

Zoom In Zoom Out

Sample Name: jb68737-1g Acquired: 6/10/2014 14:42:08 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.094**	**.0057**	**.0035**	**.0770**	**.3743**	**.6249**	**2.603**	**.1728**	**-.0003**
Stddev	.000	.0000	.0000	.0007	.0002	.0034	.016	.0017	.0006
%RSD	.0354	.7596	.4092	.8897	.0530	.5396	.6279	.9924	190.5
#1	1.093	.0057	.0035	.0775	.3744	.6273	2.615	.1740	-.0007
#2	1.094	.0057	.0035	.0766	.3741	.6225	2.592	.1716	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2536**	**2.337**	**.0759**	**-.0047**	**1.219**	**.0098**	**.0080**	**91.68**	**86.33**
Stddev	.0010	.016	.0002	.0013	.004	.0016	.0009	.09	.13
%RSD	.3864	.6954	.2051	28.29	.3441	16.58	11.83	.0938	.1543
#1	.2543	2.349	.0760	-.0056	1.222	.0109	.0073	91.74	86.42
#2	.2529	2.326	.0758	-.0038	1.216	.0086	.0087	91.62	86.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**182.2**	**38.42**	**15.77**	**4.977**	**.0921**	**.0172**	**-.0189**	**5.369**	**.1158**
Stddev	.2	.11	.01	.001	.0007	.0003	.0002	.035	.0003
%RSD	.1049	.2880	.0883	.0204	.7304	1.804	.8475	.6580	.2919
#1	182.3	38.50	15.78	4.977	.0926	.0174	-.0187	5.394	.1155
#2	182.1	38.34	15.76	4.976	.0916	.0169	-.0190	5.344	.1160

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4008**	**3.436**	**.0110**	**.0586**	**5.947**	**-.0047**	**.1086**
Stddev	.0004	.020	.0005	.0003	.046	.0006	.0002
%RSD	.1000	.5808	5.005	.5553	.7798	12.20	.2107
#1	.4006	3.450	.0106	.0588	5.980	-.0051	.1087
#2	.4011	3.422	.0114	.0584	5.914	-.0043	.1084

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109020.**	**15494.**	**2139.4**	**6470.4**
Stddev	601.	40.	14.2	35.6
%RSD	.55136	.26126	.66529	.55037
#1	108600.	15465.	2129.3	6445.2
#2	109450.	15522.	2149.4	6495.6

Zoom In Zoom Out

Sample Name: mp79891-mb1 2 Acquired: 6/10/2014 14:48:13 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**.0002**	**.0004**	**.0000**	**.0003**	**.0001**	**.0003**
Stddev	.0001	.0000	.0000	.0001	.0002	.000	.0001	.0001	.0001
%RSD	59.97	55.03	71.83	43.52	45.24	11680.	41.53	114.0	36.91
#1	.0001	-.0001	.0001	.0002	.0005	-.0001	.0002	.0000	.0004
#2	.0003	-.0001	.0000	.0003	.0003	.0001	.0004	.0001	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0016**	**-.0003**	**.0004**	**-.0002**	**.0042**	**-.0004**	**.0024**	**.0141**
Stddev	.0003	.0001	.0007	.0017	.0005	.0021	.0003	.0011	.0009
%RSD	589.2	7.884	270.3	451.1	210.7	49.38	84.65	43.59	6.298
#1	.0003	.0017	-.0007	.0016	.0001	.0027	-.0001	.0017	.0135
#2	-.0002	.0015	.0002	-.0008	-.0006	.0056	-.0006	.0032	.0147

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0157**	**.0021**	**.0151**	**-.0022**	**-.0002**	**-.0003**	**.0001**	**.0057**	**-.0002**
Stddev	.0017	.0200	.0124	.0032	.0002	.0000	.0005	.0008	.0004
%RSD	10.81	951.7	82.03	147.1	91.16	17.22	636.5	13.29	222.1
#1	.0145	-.0120	.0063	.0001	-.0003	-.0003	-.0003	.0062	-.0004
#2	.0169	.0163	.0239	-.0044	-.0001	-.0002	.0005	.0052	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0004**	**-.0122**	**-.0004**	**.0042**	**-.0001**	**.0009**
Stddev	.0000	.0001	.0003	.0001	.0001	.0003	.0000
%RSD	38.92	25.86	2.060	34.43	2.108	183.7	1.371
#1	-.0001	.0004	-.0124	-.0003	.0043	.0000	.0009
#2	-.0001	.0005	-.0120	-.0005	.0041	-.0003	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111050.**	**15194.**	**2170.4**	**7143.5**
Stddev	228.	39.	3.3	1.5
%RSD	.20498	.25476	.15166	.02124
#1	110890.	15166.	2172.7	7144.6
#2	111210.	15221.	2168.1	7142.4

Zoom In Zoom Out

Sample Name: jb68264-16 Acquired: 6/10/2014 14:54:29 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2660**	**.0014**	**.0008**	**.0193**	**.0736**	**.0638**	**2.863**	**.0409**	**-.0003**
Stddev	.0003	.0000	.0001	.0003	.0001	.0000	.004	.0002	.0001
%RSD	.1098	.6776	9.171	1.438	.1711	.0639	.1289	.3935	30.09
#1	.2662	.0014	.0008	.0191	.0737	.0638	2.865	.0411	-.0003
#2	.2658	.0014	.0007	.0195	.0735	.0638	2.860	.0408	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0475**	**.1184**	**.0070**	**-.0003**	**.0586**	**.0173**	**-.0003**	**26.20**	**56.10**
Stddev	.0002	.0008	.0005	.0018	.0001	.0014	.0006	.09	.15
%RSD	.3820	.6613	7.030	596.1	.1997	8.311	183.8	.3548	.2704
#1	.0474	.1179	.0073	-.0016	.0585	.0183	-.0007	26.27	55.99
#2	.0477	.1190	.0066	.0010	.0587	.0163	.0001	26.13	56.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**34.96**	**15.52**	**6.448**	**50.18**	**.1073**	**.0115**	**-.0064**	**35.55**	**.0046**
Stddev	.01	.15	.008	.10	.0005	.0001	.0005	.04	.0003
%RSD	.0232	.9589	.1189	.2016	.4581	.5429	7.248	.1125	5.622
#1	34.96	15.41	6.442	50.25	.1076	.0115	-.0061	35.58	.0044
#2	34.95	15.62	6.453	50.11	.1069	.0114	-.0068	35.52	.0048

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2845**	**.9419**	**-.0115**	**.0057**	**7.296**	**-.0038**	**.0231**
Stddev	.0003	.0008	.0001	.0001	.009	.0001	.0001
%RSD	.1024	.0856	1.203	1.947	.1180	2.651	.2634
#1	.2843	.9425	-.0114	.0056	7.302	-.0037	.0230
#2	.2847	.9413	-.0116	.0058	7.290	-.0038	.0231

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109400.**	**15696.**	**2169.4**	**6496.9**
Stddev	121.	8.	.0	2.3
%RSD	.11041	.04917	.00184	.03599
#1	109480.	15691.	2169.4	6498.6
#2	109310.	15702.	2169.4	6495.3

Zoom In Zoom Out

Sample Name: jb68363-1 Acquired: 6/10/2014 15:00:37 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0480**	**.0009**	**.0053**	**.0031**	**.0030**	**.0025**	**.1391**	**.0054**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0002	.0001	.0002	.0001	.0001
%RSD	.2539	.8226	.3202	4.587	8.126	2.428	.1596	1.648	62.10
#1	.0481	.0009	.0053	.0030	.0032	.0024	.1392	.0054	.0001
#2	.0480	.0009	.0052	.0032	.0028	.0025	.1389	.0053	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0543**	**.0007**	**-.0246**	**.0054**	**.0071**	**.0005**	**.8842**	**9.876**
Stddev	.0003	.0001	.0007	.0001	.0005	.0008	.0002	.0079	.044
%RSD	31.25	.1499	100.2	.5874	9.523	10.74	32.52	.8902	.4501
#1	.0013	.0542	.0011	-.0247	.0050	.0066	.0006	.8898	9.907
#2	.0008	.0543	.0002	-.0245	.0057	.0076	.0004	.8786	9.844

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4809**	**3.971**	**39.19**	**15.04**	**.1066**	**-.0003**	**-.0008**	**7.343**	**.0014**
Stddev	.0031	.003	.04	.01	.0003	.0000	.0003	.021	.0002
%RSD	.6380	.0703	.0896	.0985	.2966	7.167	32.40	.2798	12.96
#1	.4830	3.969	39.22	15.03	.1064	-.0003	-.0007	7.329	.0015
#2	.4787	3.973	39.17	15.05	.1068	-.0003	-.0010	7.358	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0658**	**.0091**	**-.0134**	**.0026**	**31.04**	**-.0012**	**.0081**
Stddev	.0001	.0002	.0003	.0000	.08	.0005	.0007
%RSD	.0944	2.046	2.116	.0098	.2666	42.65	8.669
#1	.0658	.0092	-.0132	.0026	31.10	-.0016	.0086
#2	.0657	.0090	-.0136	.0026	30.98	-.0009	.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108620.**	**15225.**	**2126.5**	**6759.6**
Stddev	297.	80.	1.4	.6
%RSD	.27387	.52671	.06574	.00948
#1	108410.	15168.	2127.5	6760.0
#2	108830.	15281.	2125.5	6759.1

Zoom In Zoom Out

Sample Name: mp79934-mb1 Acquired: 6/10/2014 15:06:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**-.0001**	**.0000**	**.0003**	**.0000**	**.0001**	**.0001**	**.0000**
Stddev	.0001	.0000	.0001	.0003	.0001	.000	.0000	.0001	.000
%RSD	50.57	62.53	154.6	1092.	44.57	1102.	15.38	120.4	1135.
#1	.0002	.0000	-.0002	.0003	.0004	-.0003	.0001	.0002	.0002
#2	.0003	-.0001	.0000	-.0002	.0002	.0002	.0001	.0000	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0052**	**-.0005**	**.0004**	**.0001**	**.0028**	**.0008**	**.0004**	**.0232**
Stddev	.0001	.0000	.0000	.0005	.0001	.0021	.0012	.0056	.0004
%RSD	57.56	.4769	8.145	117.7	101.0	77.10	144.9	1551.	1.699
#1	.0001	.0052	-.0005	.0008	.0000	.0043	.0000	.0043	.0229
#2	.0003	.0052	-.0004	.0001	.0001	.0013	.0017	-.0036	.0235

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0226**	**.0318**	**.0034**	**.0163**	**.0003**	**-.0006**	**.0001**	**.0322**	**.0001**
Stddev	.0022	.0172	.0021	.0025	.0006	.0001	.0004	.0001	.0011
%RSD	9.736	54.25	62.32	15.28	204.0	13.17	266.8	.1605	726.5
#1	.0242	.0439	.0019	.0180	-.0001	-.0007	-.0001	.0322	.0009
#2	.0210	.0196	.0049	.0145	.0007	-.0006	.0004	.0323	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0136**	**-.0003**	**.0317**	**.0000**	**.0009**
Stddev	.000	.0006	.0004	.0001	.0012	.0001	.0003
%RSD	67.58	395.4	2.751	42.03	3.874	369.9	31.02
#1	.0000	-.0003	-.0139	-.0002	.0308	.0000	.0011
#2	-.0001	.0006	-.0134	-.0004	.0325	.0001	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110960.**	**15105.**	**2173.2**	**7129.1**
Stddev	128.	56.	1.0	8.8
%RSD	.11535	.36795	.04504	.12284
#1	110860.	15144.	2172.6	7122.9
#2	111050.	15065.	2173.9	7135.3

Zoom In Zoom Out

Sample Name: mp79934-mb2 Acquired: 6/10/2014 15:13:07 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**-.0001**	**.0000**	**.0003**	**-.0001**	**.0000**	**.0004**	**.0001**
Stddev	.0001	.0000	.0002	.000	.0001	.0001	.0000	.0000	.0001
%RSD	88.32	22.15	212.0	522.9	36.50	54.81	6.261	.7585	113.4
#1	-.0001	-.0001	-.0002	.0001	.0003	-.0001	.0000	.0004	.0002
#2	.0000	-.0001	.0000	-.0002	.0004	-.0002	.0000	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0020**	**-.0006**	**-.0009**	**-.0005**	**.0032**	**.0010**	**-.0018**	**.0112**
Stddev	.0003	.0000	.0003	.0003	.0003	.0003	.0005	.0086	.0037
%RSD	1219.	2.030	42.13	29.99	60.06	10.13	44.53	484.3	33.35
#1	.0002	.0019	-.0005	-.0011	-.0008	.0035	.0014	.0043	.0138
#2	-.0002	.0020	-.0008	-.0007	-.0003	.0030	.0007	-.0079	.0086

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0059**	**.0339**	**.0129**	**.0076**	**.0001**	**-.0001**	**.0001**	**.0364**	**-.0004**
Stddev	.0017	.0023	.0155	.0001	.0003	.0001	.0003	.0002	.0006
%RSD	29.50	6.912	120.6	1.448	553.1	115.0	303.5	.6811	151.3
#1	.0047	.0322	.0019	.0075	.0003	-.0002	-.0001	.0365	-.0008
#2	.0071	.0355	.0238	.0076	-.0002	.0000	.0003	.0362	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0001**	**-.0061**	**.0001**	**.0030**	**-.0005**	**.0016**
Stddev	.0001	.0002	.0003	.0000	.0003	.0007	.0006
%RSD	88.45	239.8	4.614	12.76	11.02	135.2	38.77
#1	.0000	-.0001	-.0063	.0001	.0032	-.0011	.0020
#2	-.0001	.0003	-.0059	.0002	.0027	.0000	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111720.**	**15121.**	**2167.1**	**7120.1**
Stddev	34.	106.	.6	1.7
%RSD	.03022	.70307	.02554	.02348
#1	111690.	15196.	2167.5	7121.3
#2	111740.	15046.	2166.7	7118.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 15:19:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.021**	**2.015**	**2.016**	**2.027**	**2.001**	**2.066**	**2.039**	**.2432**
Stddev	.003	.000	.009	.004	.002	.005	.003	.001	.0007
%RSD	.1474	.0121	.4321	.2010	.0923	.2662	.1632	.0275	.2682
#1	2.021	2.021	2.009	2.013	2.029	2.004	2.069	2.039	.2436
#2	2.025	2.021	2.021	2.019	2.026	1.997	2.064	2.040	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.044**	**1.998**	**2.058**	**2.042**	**2.020**	**2.003**	**39.70**	**39.85**
Stddev	.005	.001	.008	.002	.001	.006	.003	.01	.03
%RSD	.2489	.0341	.4148	.0781	.0379	.2994	.1641	.0376	.0855
#1	2.033	2.043	1.992	2.060	2.043	2.016	2.001	39.71	39.88
#2	2.026	2.044	2.004	2.057	2.042	2.024	2.005	39.69	39.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.66**	**39.22**	**40.11**	**40.28**	**2.024**	**2.031**	**1.986**	**4.977**	**2.049**
Stddev	.01	.06	.05	.05	.013	.005	.000	.021	.011
%RSD	.0350	.1464	.1232	.1258	.6265	.2449	.0055	.4306	.5154
#1	39.67	39.26	40.08	40.25	2.015	2.028	1.986	4.962	2.041
#2	39.65	39.18	40.15	40.32	2.033	2.035	1.986	4.992	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 15:19:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.024**	**1.874**	**2.000**	**1.941**	**2.011**	**1.997**
Stddev	.002	.003	.031	.001	.002	.006	.001
%RSD	.1149	.1461	1.673	.0338	.0837	.3012	.0569
#1	2.042	2.026	1.852	2.000	1.942	2.007	1.997
#2	2.045	2.022	1.897	2.001	1.939	2.015	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	**105050.**	**14951.**	**2096.4**	**6468.1**
Stddev	26.	25.	7.8	4.9
%RSD	.02508	.16398	.37303	.07549
#1	105030.	14934.	2101.9	6471.5
#2	105070.	14969.	2090.9	6464.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 15:25:28 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0003**	**.0005**	**.0009**	**.0007**	**.0004**	**.0006**	**.0005**	**-.0002**
Stddev	.0002	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	36.91	3.074	21.81	11.12	8.941	30.65	11.59	9.907	56.95
#1	.0004	.0003	.0006	.0010	.0006	.0005	.0005	.0005	-.0001
#2	.0007	.0003	.0005	.0009	.0007	.0003	.0006	.0006	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0007**	**.0012**	**.0001**	**.0003**	**.0025**	**.0001**	**.0094**	**.0062**
Stddev	.0000	.0003	.0007	.0012	.0007	.0010	.0006	.0057	.0042
%RSD	3.461	44.30	56.76	879.6	204.5	40.74	1144.	60.54	68.10
#1	.0006	.0009	.0017	.0010	-.0001	.0018	-.0004	.0054	.0032
#2	.0006	.0005	.0007	-.0007	.0008	.0033	.0005	.0134	.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0105**	**.0337**	**.0455**	**.0083**	**.0013**	F **.0022**	**.0004**	**.0037**	**.0001**
Stddev	.0020	.0019	.0096	.0103	.0000	.0004	.0002	.0005	.0003
%RSD	18.51	5.629	21.14	124.2	.9282	19.84	41.22	13.80	198.9
#1	.0119	.0350	.0523	.0010	.0013	.0025	.0003	.0041	.0004
#2	.0092	.0323	.0387	.0156	.0013	.0019	.0006	.0034	-.0001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 15:25:28 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0006**	**.0090**	**.0009**	**.0007**	**.0010**	**.0010**
Stddev	.0000	.0001	.0025	.0000	.0004	.0001	.0002
%RSD	9.370	9.822	27.68	4.042	52.92	6.564	22.68
#1	.0004	.0005	.0108	.0009	.0005	.0010	.0008
#2	.0003	.0006	.0072	.0010	.0010	.0010	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112390.**	**14951.**	**2184.9**	**7195.0**
Stddev	233.	21.	3.0	14.9
%RSD	.20750	.14128	.13815	.20743
#1	112560.	14966.	2187.0	7205.5
#2	112230.	14936.	2182.8	7184.4

Zoom In Zoom Out

Sample Name: mp79934-mb3 Acquired: 6/10/2014 15:31:46 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**.0000**	**.0003**	**-.0003**	**.0000**	**.0001**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0003	.0002	.000	.0003	.0000
%RSD	.8424	35.61	82.83	3695.	112.4	51.83	76.38	222.9	3.236
#1	.0002	-.0001	.0000	.0002	.0005	-.0004	.0000	-.0001	-.0001
#2	.0002	-.0001	.0002	-.0002	.0001	-.0002	.0000	.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0016**	**.0003**	**-.0022**	**-.0006**	**.0004**	**.0008**	**.0015**	**.0145**
Stddev	.0002	.0001	.0006	.0006	.0004	.0002	.0009	.0027	.0025
%RSD	7818.	4.703	175.8	28.86	75.51	55.25	108.6	174.7	17.01
#1	.0002	.0016	-.0001	-.0017	-.0009	.0002	.0014	.0034	.0128
#2	-.0002	.0017	.0008	-.0026	-.0003	.0005	.0002	-.0004	.0163

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0067**	**.0178**	**.0203**	**.0125**	**.0004**	**.0012**	**-.0009**	**.0481**	**.0003**
Stddev	.0007	.0249	.0110	.0046	.0001	.0003	.0001	.0009	.0005
%RSD	10.72	139.8	54.31	37.32	30.37	25.52	12.62	1.954	198.8
#1	.0072	.0002	.0125	.0157	.0004	.0014	-.0010	.0487	.0006
#2	.0062	.0354	.0281	.0092	.0003	.0010	-.0008	.0474	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**.0148**	**.0020**	**.0042**	**-.0004**	**.0014**
Stddev	.0000	.0002	.0020	.0000	.0002	.0003	.0006
%RSD	5.834	70.00	13.49	1.829	4.159	72.80	42.42
#1	-.0001	.0001	.0162	.0020	.0044	-.0002	.0019
#2	-.0001	.0003	.0134	.0020	.0041	-.0006	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111090.**	**15099.**	**2165.6**	**7124.6**
Stddev	6.	62.	5.0	18.3
%RSD	.00567	.41076	.23095	.25627
#1	111090.	15056.	2162.0	7111.7
#2	111100.	15143.	2169.1	7137.5

Zoom In Zoom Out

Sample Name: mp79934-lc1 Acquired: 6/10/2014 15:38:02 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5207**	**.4942**	**.4849**	**.4693**	**.4927**	**.4623**	**.5026**	**.4869**	**.2019**
Stddev	.0031	.0027	.0016	.0002	.0003	.0005	.0001	.0000	.0003
%RSD	.5899	.5522	.3341	.0358	.0700	.1153	.0166	.0024	.1720
#1	.5229	.4962	.4837	.4694	.4929	.4619	.5026	.4869	.2016
#2	.5185	.4923	.4860	.4692	.4924	.4627	.5027	.4869	.2021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4678**	**.5016**	**.4817**	**.5259**	**.4916**	**.5232**	**.4718**	**4.987**	**5.700**
Stddev	.0007	.0001	.0003	.0014	.0011	.0015	.0013	.028	.015
%RSD	.1557	.0109	.0718	.2655	.2335	.2807	.2736	.5662	.2683
#1	.4683	.5016	.4815	.5269	.4908	.5242	.4727	5.006	5.711
#2	.4672	.5017	.4820	.5249	.4925	.5222	.4709	4.967	5.689

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.726**	**5.557**	**10.30**	**10.23**	**.0124**	**.4839**	**-.0017**	**.0532**	**.0006**
Stddev	.025	.027	.07	.08	.0005	.0002	.0004	.0009	.0000
%RSD	.4383	.4857	.7065	.7337	4.178	.0343	22.30	1.728	4.425
#1	5.744	5.538	10.35	10.28	.0120	.4838	-.0015	.0539	.0006
#2	5.709	5.576	10.25	10.18	.0128	.4841	-.0020	.0526	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4927**	**.0014**	**.0053**	**.0271**	**-.0006**	**.0009**
Stddev	.0000	.0010	.0005	.0003	.0011	.0005	.0001
%RSD	20.86	.2046	38.36	5.566	4.028	78.00	15.11
#1	-.0002	.4934	.0018	.0055	.0279	-.0003	.0010
#2	-.0001	.4920	.0010	.0051	.0263	-.0009	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109560.**	**15077.**	**2141.2**	**6868.3**
Stddev	143.	71.	2.1	13.4
%RSD	.13006	.47414	.10026	.19447
#1	109460.	15026.	2139.7	6858.8
#2	109660.	15127.	2142.8	6877.7

Zoom In Zoom Out

Sample Name: mp79934-lc2 Acquired: 6/10/2014 15:44:08 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5129**	**.4878**	**.4801**	**.4664**	**.4920**	**.4501**	**.4952**	**.4838**	**.1989**
Stddev	.0009	.0008	.0006	.0017	.0002	.0016	.0001	.0004	.0005
%RSD	.1778	.1563	.1285	.3710	.0443	.3545	.0122	.0802	.2364
#1	.5136	.4883	.4797	.4651	.4919	.4512	.4952	.4835	.1992
#2	.5123	.4872	.4805	.4676	.4922	.4489	.4953	.4840	.1985

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4544**	**.4971**	**.4792**	**.5175**	**.4851**	**.5201**	**.4688**	**4.862**	**5.734**
Stddev	.0013	.0012	.0011	.0012	.0011	.0013	.0003	.030	.017
%RSD	.2753	.2334	.2199	.2263	.2187	.2514	.0635	.6233	.3035
#1	.4553	.4962	.4784	.5167	.4858	.5210	.4690	4.883	5.721
#2	.4535	.4979	.4799	.5183	.4843	.5192	.4686	4.840	5.746

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.742**	**5.500**	**10.09**	**9.986**	**.0022**	**.4813**	**-.0011**	**.0316**	**.0002**
Stddev	.001	.036	.04	.020	.0003	.0003	.0003	.0001	.0002
%RSD	.0190	.6522	.3969	.1966	13.99	.0614	23.02	.2781	131.0
#1	5.743	5.474	10.12	10.000	.0024	.4815	-.0013	.0315	.0003
#2	5.742	5.525	10.06	9.972	.0020	.4811	-.0009	.0316	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4862**	**-.0020**	**.0023**	**.0036**	**-.0022**	**.0010**
Stddev	.0000	.0002	.0006	.0002	.0002	.0002	.0004
%RSD	27.46	.0369	30.32	7.284	4.521	9.867	37.10
#1	-.0002	.4860	-.0015	.0022	.0037	-.0023	.0013
#2	-.0001	.4863	-.0024	.0024	.0034	-.0020	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110900.**	**15144.**	**2140.1**	**6883.8**
Stddev	34.	47.	1.4	1.5
%RSD	.03078	.31120	.06593	.02233
#1	110880.	15177.	2139.1	6884.9
#2	110920.	15111.	2141.1	6882.7

Zoom In Zoom Out

Sample Name: mp79934-lc3 Acquired: 6/10/2014 15:50:13 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4939**	**.4932**	**.4758**	**.4653**	**.4950**	**.4649**	**.5078**	**.4820**	**.1894**
Stddev	.0002	.0005	.0005	.0005	.0005	.0008	.0014	.0003	.0001
%RSD	.0361	.0960	.1077	.1045	.0921	.1731	.2846	.0676	.0497
#1	.4940	.4936	.4761	.4649	.4947	.4643	.5067	.4818	.1894
#2	.4938	.4929	.4754	.4656	.4954	.4654	.5088	.4822	.1895

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4755**	**.5007**	**.4744**	**.5061**	**.4798**	**.5124**	**.4664**	**4.767**	**5.404**
Stddev	.0014	.0014	.0001	.0003	.0006	.0023	.0012	.006	.024
%RSD	.3001	.2707	.0316	.0653	.1265	.4456	.2594	.1293	.4382
#1	.4745	.4997	.4745	.5064	.4794	.5141	.4673	4.762	5.387
#2	.4765	.5016	.4743	.5059	.4803	.5108	.4656	4.771	5.421

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.441**	**5.236**	**9.798**	**9.751**	**.0060**	**.4899**	**-.0015**	**.0064**	**.0010**
Stddev	.003	.028	.003	.006	.0006	.0005	.0006	.0002	.0002
%RSD	.0570	.5297	.0252	.0657	9.677	.0955	40.66	2.456	17.38
#1	5.439	5.256	9.800	9.756	.0056	.4895	-.0011	.0065	.0011
#2	5.443	5.217	9.796	9.747	.0064	.4902	-.0019	.0063	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4974**	**.0076**	**.0024**	**.0150**	**-.0017**	**.0005**
Stddev	.0001	.0005	.0014	.0001	.0019	.0002	.0008
%RSD	28.82	.0929	18.57	4.229	12.59	12.17	150.0
#1	-.0002	.4971	.0086	.0023	.0163	-.0015	.0011
#2	-.0002	.4977	.0066	.0025	.0137	-.0018	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108830.**	**15013.**	**2131.7**	**6872.2**
Stddev	75.	68.	3.6	4.7
%RSD	.06935	.45009	.17037	.06770
#1	108880.	15061.	2129.1	6875.5
#2	108780.	14966.	2134.3	6868.9

Zoom In Zoom Out

Sample Name: jb68341-1a Acquired: 6/10/2014 15:56:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8901**	**.0052**	**.0003**	**.0626**	**.1605**	**.2737**	**2.177**	**.1334**	**-.0012**
Stddev	.0012	.0001	.0001	.0001	.0010	.0004	.008	.0009	.0003
%RSD	.1338	1.570	33.58	.1623	.6169	.1617	.3524	.7003	24.53
#1	.8892	.0053	.0003	.0627	.1598	.2740	2.171	.1341	-.0014
#2	.8909	.0052	.0004	.0626	.1612	.2734	2.182	.1327	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1957**	**2.974**	**.0280**	**-.0047**	**.2641**	**.0221**	**-.0003**	**77.22**	**33.27**
Stddev	.0004	.000	.0005	.0012	.0002	.0011	.0005	.08	.13
%RSD	.2189	.0029	1.895	25.91	.0581	5.192	175.2	.1010	.3822
#1	.1954	2.974	.0276	-.0038	.2640	.0213	.0001	77.27	33.36
#2	.1960	2.974	.0283	-.0056	.2643	.0230	-.0007	77.16	33.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**145.1**	**29.36**	**18.72**	**21.39**	**.0237**	**.0011**	**-.0144**	**46.77**	**.0163**
Stddev	.2	.17	.03	.01	.0004	.0001	.0003	.01	.0002
%RSD	.1194	.5953	.1525	.0444	1.671	9.124	2.224	.0184	1.114
#1	145.2	29.49	18.74	21.40	.0234	.0010	-.0146	46.77	.0161
#2	145.0	29.24	18.70	21.38	.0240	.0012	-.0142	46.78	.0164

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1774**	**4.224**	**.0069**	**.0046**	**5.628**	**-.0082**	**.1109**
Stddev	.0003	.007	.0009	.0002	.004	.0002	.0004
%RSD	.1427	.1704	12.98	4.106	.0805	2.052	.3675
#1	.1773	4.219	.0075	.0047	5.631	-.0081	.1106
#2	.1776	4.229	.0062	.0044	5.625	-.0083	.1112

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110370.**	**15783.**	**2183.0**	**6603.5**
Stddev	197.	118.	.9	1.2
%RSD	.17871	.75009	.04025	.01848
#1	110510.	15699.	2182.4	6602.7
#2	110230.	15867.	2183.6	6604.4

Zoom In Zoom Out

Sample Name: jb68341-1af Acquired: 6/10/2014 16:02:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2445**	**.0001**	**.0003**	**.0011**	**.0016**	**.0010**	**2.367**	**.0041**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0005	.0002	.005	.0001	.0000
%RSD	.0381	41.99	23.71	13.66	28.16	16.83	.2338	2.496	21.73
#1	.2444	.0001	.0003	.0010	.0013	.0009	2.363	.0040	.0001
#2	.2445	.0002	.0004	.0012	.0020	.0012	2.371	.0041	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**-.0024**	**.0024**	**-.0009**	**.0014**	**.0127**	**-.0003**	**.0143**	**108.5**
Stddev	.0001	.0002	.0003	.0013	.0008	.0013	.0005	.0041	.2
%RSD	15.90	7.652	13.00	137.8	58.36	10.51	205.1	28.38	.1970
#1	.0005	-.0025	.0021	-.0019	.0019	.0137	-.0006	.0171	108.3
#2	.0006	-.0022	.0026	.0000	.0008	.0118	.0001	.0114	108.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.996**	**30.51**	**9.544**	**116.7**	**.0788**	**.0060**	**-.0045**	**9.118**	**.0010**
Stddev	.004	.15	.009	.0	.0008	.0001	.0005	.002	.0004
%RSD	.1400	.4885	.0903	.0315	1.019	1.660	12.25	.0221	34.18
#1	2.993	30.41	9.551	116.7	.0794	.0059	-.0041	9.116	.0008
#2	2.999	30.62	9.538	116.8	.0783	.0061	-.0048	9.119	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5196**	**.0013**	**-.0104**	**-.0004**	**1.092**	**-.0008**	**.0079**
Stddev	.0010	.0003	.0001	.0000	.001	.0005	.0005
%RSD	.1873	26.52	.5945	9.923	.0605	66.18	6.686
#1	.5189	.0010	-.0103	-.0003	1.092	-.0012	.0075
#2	.5203	.0015	-.0104	-.0004	1.092	-.0004	.0083

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101920.**	**14855.**	**2010.5**	**6194.5**
Stddev	3.	73.	1.8	7.5
%RSD	.00269	.48848	.09134	.12065
#1	101920.	14906.	2009.2	6189.2
#2	101930.	14804.	2011.8	6199.8

Zoom In Zoom Out

Sample Name: jb68352-1a Acquired: 6/10/2014 16:08:38 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5160**	**.0026**	**.0014**	**.0247**	**.0828**	**.2899**	**1.170**	**.0664**	**.0004**
Stddev	.0015	.0000	.0001	.0002	.0004	.0003	.000	.0003	.0001
%RSD	.2827	1.207	10.18	.9350	.4563	.0975	.0265	.4147	22.55
#1	.5170	.0027	.0015	.0248	.0826	.2897	1.169	.0666	.0004
#2	.5150	.0026	.0013	.0245	.0831	.2901	1.170	.0662	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1032**	**.4453**	**.0166**	**.0030**	**.4044**	**.0196**	**.0002**	**41.77**	**47.07**
Stddev	.0002	.0001	.0006	.0020	.0013	.0015	.0002	.04	.09
%RSD	.1651	.0191	3.419	66.54	.3274	7.698	86.93	.1061	.1888
#1	.1031	.4453	.0162	.0016	.4035	.0207	.0001	41.80	47.00
#2	.1033	.4454	.0170	.0044	.4054	.0186	.0003	41.74	47.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**56.63**	**22.75**	**6.216**	**49.60**	**.0307**	**.0008**	**-.0074**	**41.68**	**.0227**
Stddev	.05	.01	.005	.10	.0002	.0002	.0003	.03	.0003
%RSD	.0877	.0429	.0798	.1971	.7446	22.00	3.992	.0785	1.431
#1	56.60	22.74	6.213	49.67	.0306	.0009	-.0072	41.66	.0225
#2	56.67	22.76	6.220	49.53	.0309	.0007	-.0076	41.71	.0230

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1434**	**1.134**	**-.0086**	**-.0002**	**3.434**	**-.0037**	**.0491**
Stddev	.0002	.001	.0006	.0000	.008	.0005	.0001
%RSD	.1263	.1188	6.630	27.29	.2393	13.00	.2361
#1	.1436	1.134	-.0082	-.0002	3.440	-.0033	.0491
#2	.1433	1.133	-.0090	-.0001	3.428	-.0040	.0490

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109400.**	**15354.**	**2141.7**	**6500.3**
Stddev	51.	26.	1.8	2.9
%RSD	.04620	.17136	.08396	.04464
#1	109370.	15373.	2140.5	6502.4
#2	109440.	15336.	2143.0	6498.3

Zoom In Zoom Out

Sample Name: jb68352-1f Acquired: 6/10/2014 16:14:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0634**	**.0000**	**.0001**	**-.0004**	**.0012**	**.0014**	**1.122**	**.0012**	**.0001**
Stddev	.0000	.0000	.0001	.0004	.0003	.0002	.000	.0002	.0004
%RSD	.0776	224.5	90.94	124.3	23.91	14.89	.0122	18.72	264.1
#1	.0634	.0000	.0001	-.0007	.0010	.0012	1.122	.0010	-.0001
#2	.0634	.0000	.0000	.0000	.0014	.0015	1.122	.0013	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0599**	**.0008**	**.0024**	**.0014**	**.0076**	**.0001**	**.0086**	**60.38**
Stddev	.0003	.0002	.0007	.0002	.0013	.0010	.0007	.0017	.28
%RSD	131.8	.3999	93.91	6.167	91.35	12.81	570.7	19.37	.4669
#1	.0000	.0600	.0003	.0025	.0005	.0083	-.0004	.0075	60.58
#2	.0004	.0597	.0013	.0023	.0023	.0069	.0006	.0098	60.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0241**	**15.46**	**4.492**	**103.5**	**.0469**	**.0013**	**-.0018**	**8.610**	**.0017**
Stddev	.0011	.01	.021	.1	.0003	.0001	.0001	.006	.0000
%RSD	4.519	.0662	.4742	.1399	.7170	10.31	4.207	.0667	.3347
#1	.0233	15.47	4.477	103.4	.0467	.0014	-.0018	8.614	.0017
#2	.0249	15.46	4.507	103.6	.0471	.0012	-.0017	8.606	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1846**	**.0005**	**-.0125**	**-.0010**	**.2076**	**.0001**	**.0027**
Stddev	.0007	.0002	.0004	.0000	.0001	.0000	.0002
%RSD	.3561	34.96	3.444	1.471	.0661	19.90	7.835
#1	.1850	.0004	-.0122	-.0010	.2075	.0001	.0028
#2	.1841	.0006	-.0128	-.0010	.2077	.0001	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103150.**	**14848.**	**2046.9**	**6337.4**
Stddev	153.	1.	2.1	15.2
%RSD	.14793	.00950	.10453	.23993
#1	103040.	14847.	2045.4	6326.6
#2	103250.	14849.	2048.4	6348.1

Zoom In Zoom Out

Sample Name: jb68735-15 Acquired: 6/10/2014 16:20:59 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2812**	**.0004**	**.0002**	**.0153**	**.0057**	**.0117**	**4.646**	**.0181**	**-.0015**
Stddev	.0007	.0001	.0002	.0000	.0001	.0008	.002	.0003	.0005
%RSD	.2381	16.52	105.9	.1853	1.714	7.247	.0391	1.895	35.52
#1	.2808	.0003	.0001	.0153	.0056	.0123	4.644	.0179	-.0011
#2	.2817	.0004	.0004	.0153	.0058	.0111	4.647	.0183	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**.1507**	**.0035**	**-.0010**	**.0084**	**.0071**	**.0029**	**2.597**	**30.30**
Stddev	.0002	.0003	.0007	.0014	.0005	.0025	.0009	.013	.06
%RSD	4.438	.1857	19.24	147.8	5.396	34.38	30.21	.4960	.2056
#1	.0052	.1509	.0040	-.0020	.0081	.0089	.0035	2.607	30.35
#2	.0055	.1506	.0031	.0000	.0088	.0054	.0023	2.588	30.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**154.6**	**33.36**	**4.195**	**162.5**	**.0208**	**-.0081**	**-.0055**	**6.417**	**.0005**
Stddev	.1	.09	.017	1.4	.0005	.0000	.0005	.001	.0005
%RSD	.0828	.2613	.4104	.8362	2.230	.5974	8.475	.0092	112.5
#1	154.6	33.42	4.183	163.5	.0205	-.0081	-.0058	6.416	.0001
#2	154.5	33.30	4.207	161.6	.0211	-.0082	-.0052	6.417	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1890**	**.0478**	**-.0053**	**.0080**	**99.87**	**.0026**	**.0052**
Stddev	.0002	.0004	.0011	.0001	.91	.0008	.0004
%RSD	.1161	.8566	21.50	.8493	.9137	28.93	7.252
#1	.1888	.0481	-.0045	.0079	99.23	.0032	.0055
#2	.1891	.0475	-.0061	.0080	100.5	.0021	.0050

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103190.**	**14915.**	**2026.7**	**6385.8**
Stddev	72.	86.	.6	9.6
%RSD	.06937	.57361	.03134	.15087
#1	103140.	14854.	2026.3	6392.7
#2	103240.	14975.	2027.2	6379.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:27:21 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.012**	**2.004**	**2.012**	**2.010**	**2.009**	**1.968**	**2.035**	**2.034**	**.2406**
Stddev	.003	.002	.020	.012	.002	.005	.005	.010	.0009
%RSD	.1440	.0981	.9848	.6056	.0793	.2788	.2281	.4802	.3657
#1	2.010	2.005	1.998	2.002	2.010	1.972	2.038	2.027	.2412
#2	2.014	2.003	2.026	2.019	2.007	1.964	2.032	2.041	.2399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.989**	**2.038**	**2.001**	**2.099**	**2.031**	**2.022**	**1.997**	**39.18**	**40.02**
Stddev	.007	.010	.022	.019	.009	.019	.022	.01	.02
%RSD	.3415	.5031	1.122	.8913	.4653	.9269	1.100	.0176	.0437
#1	1.993	2.031	1.986	2.086	2.024	2.009	1.981	39.18	40.03
#2	1.984	2.046	2.017	2.112	2.037	2.036	2.012	39.17	40.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.57**	**39.34**	**39.90**	**39.91**	**2.020**	**2.030**	**1.963**	**4.988**	**2.059**
Stddev	.04	.03	.02	.04	.021	.018	.001	.050	.018
%RSD	.0962	.0723	.0606	.1050	1.027	.8958	.0373	1.005	.8781
#1	39.60	39.36	39.88	39.88	2.005	2.017	1.963	4.952	2.046
#2	39.54	39.32	39.92	39.94	2.034	2.043	1.964	5.023	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: ccv Acquired: 6/10/2014 16:27:21 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**1.996**	**1.859**	**1.980**	**1.980**	**2.006**	**1.990**
Stddev	.002	.005	.041	.000	.016	.018	.000
%RSD	.0736	.2290	2.176	.0162	.8234	.8712	.0095
#1	2.043	1.999	1.831	1.981	1.969	1.994	1.990
#2	2.045	1.993	1.888	1.980	1.992	2.018	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106530.**	**14883.**	**2096.5**	**6482.0**
Stddev	104.	.	17.4	34.4
%RSD	.09772	.00054	.83153	.53019
#1	106460.	14882.	2108.8	6506.3
#2	106600.	14883.	2084.1	6457.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:33:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	F **.0011**	**.0004**	**.0008**	**.0010**	**.0009**	**.0010**	**.0006**	**-.0001**
Stddev	.0000	.0001	.0001	.0003	.0005	.0003	.0001	.0003	.0002
%RSD	2.274	11.47	29.68	36.54	52.04	31.03	12.44	51.59	198.1
#1	.0013	.0010	.0005	.0010	.0014	.0010	.0011	.0009	-.0003
#2	.0013	.0012	.0003	.0006	.0006	.0007	.0009	.0004	.0000
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010							
Low Limit		-.0010							

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0007**	**.0015**	**.0002**	**.0007**	**.0030**	**.0004**	**.0237**	**.0236**
Stddev	.0000	.0002	.0000	.0007	.0009	.0002	.0004	.0001	.0032
%RSD	2.281	23.90	1.372	326.0	131.5	5.409	106.4	.2583	13.46
#1	.0012	.0008	.0015	.0007	.0014	.0031	.0007	.0236	.0214
#2	.0012	.0006	.0015	-.0003	.0001	.0029	.0001	.0237	.0259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0286**	**.0368**	**.0709**	**.0416**	**.0015**	**.0018**	**.0005**	**.0059**	**.0006**
Stddev	.0041	.0275	.0053	.0024	.0000	.0004	.0005	.0001	.0005
%RSD	14.39	74.71	7.432	5.745	2.614	21.88	87.23	.9839	90.97
#1	.0257	.0563	.0672	.0399	.0015	.0021	.0009	.0060	.0009
#2	.0316	.0174	.0746	.0432	.0015	.0016	.0002	.0059	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:33:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0012**	F **.0011**	**.0077**	F **.0011**	**.0027**	**.0005**	F **.0026**
Stddev	.0001	.0004	.0020	.0000	.0009	.0003	.0003
%RSD	10.46	33.02	26.10	3.962	34.28	58.10	10.77
#1	.0011	.0014	.0092	.0011	.0020	.0003	.0024
#2	.0013	.0009	.0063	.0010	.0033	.0008	.0027
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	.0010	.0010		.0010			.0020
Low Limit	-.0010	-.0010		-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111910.**	**15007.**	**2188.8**	**7200.7**
Stddev	80.	12.	3.8	21.1
%RSD	.07160	.07779	.17267	.29236
#1	111970.	15015.	2191.5	7215.6
#2	111850.	14999.	2186.1	7185.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:44:54 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.019**	**2.013**	**2.013**	**2.024**	**2.000**	**2.064**	**2.036**	**.2430**
Stddev	.005	.004	.006	.001	.004	.007	.001	.001	.0005
%RSD	.2268	.1760	.2790	.0406	.1806	.3650	.0442	.0334	.2098
#1	2.030	2.016	2.009	2.013	2.021	2.006	2.063	2.035	.2434
#2	2.037	2.021	2.017	2.014	2.026	1.995	2.064	2.036	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.043**	**1.996**	**2.120**	**2.038**	**2.023**	**1.999**	**39.74**	**39.92**
Stddev	.006	.003	.008	.014	.002	.001	.005	.01	.06
%RSD	.2989	.1209	.3867	.6671	.0894	.0285	.2484	.0173	.1433
#1	2.032	2.041	1.990	2.110	2.040	2.023	1.996	39.74	39.88
#2	2.024	2.045	2.001	2.130	2.037	2.024	2.003	39.75	39.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.55**	**39.23**	**40.34**	**40.45**	**2.021**	**2.035**	**1.991**	**4.982**	**2.056**
Stddev	.02	.08	.07	.07	.008	.006	.005	.012	.005
%RSD	.0518	.2159	.1813	.1775	.3775	.2756	.2501	.2315	.2454
#1	39.53	39.17	40.29	40.40	2.016	2.031	1.994	4.973	2.052
#2	39.56	39.29	40.39	40.50	2.027	2.039	1.987	4.990	2.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:44:54 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.024**	**1.891**	**2.011**	**1.984**	**2.007**	**2.007**
Stddev	.003	.001	.029	.000	.014	.003	.009
%RSD	.1613	.0448	1.520	.0202	.7206	.1432	.4385
#1	2.044	2.024	1.871	2.010	1.974	2.005	2.001
#2	2.049	2.023	1.911	2.011	1.994	2.009	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104880.**	**14799.**	**2090.2**	**6451.6**
Stddev	136.	30.	4.7	4.7
%RSD	.12953	.20473	.22354	.07354
#1	104780.	14820.	2093.5	6454.9
#2	104980.	14778.	2086.9	6448.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:50:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0009**	**.0002**	**.0006**	**.0008**	**.0009**	**.0008**	**.0003**	**.0000**
Stddev	.0000	.0001	.0001	.0001	.0003	.0003	.0000	.0001	.0002
%RSD	1.870	13.05	67.97	24.49	30.63	37.95	4.792	35.87	765.1
#1	.0010	.0008	.0002	.0007	.0006	.0011	.0008	.0004	-.0001
#2	.0011	.0010	.0001	.0005	.0010	.0006	.0008	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0006**	**.0015**	**-.0005**	**.0004**	**-.0004**	**-.0005**	**.0127**	**.0163**
Stddev	.0001	.0000	.0002	.0015	.0007	.0005	.0006	.0061	.0009
%RSD	13.78	5.910	12.26	320.6	202.2	114.9	122.6	47.54	5.321
#1	.0009	.0006	.0016	-.0015	-.0002	-.0001	-.0001	.0085	.0157
#2	.0011	.0006	.0013	.0006	.0009	-.0008	-.0009	.0170	.0170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0175**	**.0389**	**.0640**	**.0242**	**.0005**	F **.0021**	**.0003**	**.0025**	**-.0007**
Stddev	.0031	.0002	.0142	.0010	.0001	.0006	.0004	.0010	.0001
%RSD	17.62	.6066	22.27	4.110	13.12	28.02	148.9	39.46	7.483
#1	.0154	.0387	.0539	.0249	.0006	.0025	.0005	.0018	-.0007
#2	.0197	.0390	.0741	.0235	.0005	.0017	.0000	.0033	-.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:50:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	F **.0011**	F **.0167**	F **.0015**	**.0022**	**.0011**	**.0011**
Stddev	.0001	.0000	.0030	.0003	.0006	.0010	.0004
%RSD	9.248	3.774	17.78	23.30	28.73	91.52	33.97
#1	.0009	.0010	.0188	.0017	.0026	.0004	.0013
#2	.0010	.0011	.0146	.0012	.0017	.0018	.0008
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0123	.0010			
Low Limit		-.0010	-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109820.**	**14967.**	**2165.0**	**7144.0**
Stddev	4037.	146.	5.3	23.6
%RSD	3.6758	.97489	.24588	.33069
#1	106960.	15070.	2161.2	7127.3
#2	112670.	14864.	2168.7	7160.7

Zoom In Zoom Out

Sample Name: jb68735-16 Acquired: 6/10/2014 16:57:15 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3931**	**.0016**	**.0035**	**.0892**	**.0082**	**.0123**	**10.19**	**.0787**	**-.0036**
Stddev	.0001	.0000	.0001	.0007	.0004	.0000	.00	.0000	.0002
%RSD	.0217	1.356	2.842	.7290	4.659	.2566	.0098	.0628	5.637
#1	.3930	.0015	.0036	.0896	.0079	.0122	10.19	.0788	-.0037
#2	.3931	.0016	.0034	.0887	.0085	.0123	10.19	.0787	-.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0082**	**.1924**	**.0126**	**-.0092**	**.0184**	**.0023**	**.0071**	**2.698**	**45.10**
Stddev	.0001	.0020	.0006	.0001	.0011	.0029	.0006	.002	.06
%RSD	1.023	1.049	4.461	.5567	5.755	127.3	8.975	.0606	.1434
#1	.0082	.1938	.0130	-.0092	.0191	.0044	.0075	2.699	45.05
#2	.0081	.1910	.0122	-.0091	.0176	.0002	.0066	2.696	45.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**181.7**	**106.3**	**8.056**	**497.5**	**.0261**	**-.0081**	**-.0149**	**5.572**	**-.0001**
Stddev	.0	.0	.029	6.0	.0002	.0000	.0010	.041	.0019
%RSD	.0023	.0027	.3623	1.214	.8003	.5572	6.572	.7283	3041.
#1	181.7	106.3	8.035	501.8	.0263	-.0082	-.0156	5.600	.0013
#2	181.7	106.3	8.076	493.3	.0260	-.0081	-.0142	5.543	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4780**	**.0771**	**.0116**	**.0395**	**403.3**	**.0014**	**.0066**
Stddev	.0001	.0003	.0005	.0005	4.2	.0002	.0012
%RSD	.0147	.3669	4.505	1.196	1.038	13.76	17.48
#1	.4780	.0773	.0120	.0399	406.2	.0016	.0058
#2	.4779	.0769	.0112	.0392	400.3	.0013	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100120.**	**15081.**	**1999.5**	**5876.2**
Stddev	193.	2.	15.1	36.5
%RSD	.19236	.01467	.75646	.62146
#1	99982.	15080.	1988.8	5850.4
#2	100250.	15083.	2010.2	5902.0

Zoom In Zoom Out

Sample Name: jb68735-17 Acquired: 6/10/2014 17:03:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0573**	**.0011**	**.0001**	**.0084**	**.0079**	**.0141**	**.2096**	**.0089**	**-.0003**
Stddev	.0001	.0001	.0001	.0001	.0005	.0005	.0004	.0002	.0002
%RSD	.1747	7.323	57.55	.8055	6.835	3.258	.1752	2.171	51.48
#1	.0574	.0011	.0002	.0083	.0083	.0138	.2094	.0090	-.0004
#2	.0572	.0010	.0001	.0084	.0075	.0145	.2099	.0088	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0145**	**.4316**	**.0040**	**.0009**	**.0113**	**.0040**	**.0009**	**2.911**	**33.90**
Stddev	.0001	.0000	.0000	.0036	.0005	.0004	.0002	.007	.01
%RSD	.9385	.0014	.3399	381.7	4.846	9.718	20.50	.2387	.0321
#1	.0144	.4316	.0040	-.0016	.0117	.0043	.0008	2.906	33.91
#2	.0146	.4316	.0040	.0035	.0109	.0038	.0011	2.916	33.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**13.34**	**10.03**	**3.771**	**471.3**	**.0342**	**.0035**	**-.0032**	**7.353**	**.0042**
Stddev	.02	.03	.008	.4	.0004	.0002	.0001	.003	.0001
%RSD	.1155	.2964	.2160	.0924	1.279	4.834	1.922	.0461	2.894
#1	13.33	10.01	3.765	471.6	.0345	.0034	-.0031	7.356	.0042
#2	13.35	10.05	3.777	471.0	.0339	.0036	-.0032	7.351	.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0576**	**.0728**	**-.0016**	**.0145**	**114.5**	**-.0011**	**.0061**
Stddev	.0004	.0002	.0005	.0003	.1	.0006	.0000
%RSD	.6951	.2520	33.56	1.988	.0733	54.26	.2905
#1	.0578	.0726	-.0012	.0148	114.6	-.0015	.0061
#2	.0573	.0729	-.0020	.0143	114.5	-.0007	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98774.**	**14867.**	**1998.0**	**5835.0**
Stddev	199.	18.	.7	2.4
%RSD	.20155	.11943	.03256	.04143
#1	98915.	14879.	1998.5	5836.7
#2	98634.	14854.	1997.6	5833.3

Zoom In Zoom Out

Sample Name: jb68735-19 Acquired: 6/10/2014 17:09:51 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0908**	**.0001**	**.0001**	**.0032**	**.0025**	**.0137**	**.4903**	**.0075**	**.0000**
Stddev	.0004	.0000	.0000	.0001	.0002	.0003	.0010	.0001	.000
%RSD	.4574	26.32	26.48	2.954	9.276	2.467	.2135	1.127	215.7
#1	.0911	.0001	.0001	.0033	.0027	.0134	.4911	.0074	.0000
#2	.0905	.0001	.0002	.0032	.0023	.0139	.4896	.0075	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.3244**	**.0023**	**.0019**	**.0058**	**.0099**	**.0029**	**.3911**	**73.18**
Stddev	.0001	.0001	.0001	.0032	.0003	.0046	.0008	.0022	.06
%RSD	6.616	.0313	2.749	169.5	5.186	46.57	25.51	.5748	.0825
#1	.0018	.3243	.0022	-.0004	.0061	.0132	.0024	.3895	73.22
#2	.0020	.3244	.0023	.0041	.0056	.0066	.0035	.3927	73.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.895**	**31.35**	**5.699**	**380.9**	**.0333**	**.0048**	**-.0031**	**9.462**	**.0028**
Stddev	.026	.10	.024	.5	.0002	.0000	.0006	.014	.0002
%RSD	.3768	.3227	.4243	.1206	.5637	.4736	19.77	.1427	6.357
#1	6.877	31.28	5.682	380.6	.0332	.0049	-.0035	9.472	.0030
#2	6.914	31.42	5.716	381.2	.0334	.0048	-.0026	9.453	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1647**	**.0124**	**-.0050**	**.0094**	**96.48**	**-.0003**	**.0169**
Stddev	.0005	.0002	.0005	.0001	.05	.0004	.0004
%RSD	.3202	1.506	9.094	.6517	.0553	121.3	2.164
#1	.1651	.0122	-.0047	.0094	96.45	-.0006	.0166
#2	.1643	.0125	-.0053	.0094	96.52	.0000	.0171

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97865.**	**14767.**	**1972.7**	**5858.0**
Stddev	340.	27.	3.1	5.3
%RSD	.34704	.18526	.15745	.08974
#1	97625.	14787.	1970.5	5854.3
#2	98105.	14748.	1974.9	5861.7

Zoom In Zoom Out

Sample Name: jb68735-20 Acquired: 6/10/2014 17:16:09 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2781**	**.0027**	**.0004**	**.0552**	**.0043**	**.0064**	**3.495**	**.0194**	**-.0001**
Stddev	.0006	.0001	.0000	.0005	.0006	.0001	.002	.0002	.0002
%RSD	.2302	2.703	.5064	.8930	13.32	1.325	.0662	.8913	162.4
#1	.2776	.0028	.0004	.0555	.0047	.0065	3.493	.0193	-.0002
#2	.2785	.0027	.0004	.0548	.0039	.0063	3.496	.0195	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0039**	**.0818**	**.0030**	**-.0003**	**.0062**	**.0069**	**.0018**	**1.491**	**28.32**
Stddev	.0001	.0002	.0000	.0021	.0002	.0005	.0004	.010	.16
%RSD	3.195	.2772	.3538	821.8	2.609	6.762	24.02	.6576	.5517
#1	.0040	.0816	.0030	.0012	.0063	.0066	.0015	1.485	28.43
#2	.0038	.0819	.0030	-.0017	.0061	.0072	.0022	1.498	28.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.17**	**17.03**	**3.958**	**401.6**	**.1918**	**.0004**	**-.0039**	**5.821**	**.0036**
Stddev	.06	.11	.012	5.3	.0006	.0003	.0001	.003	.0006
%RSD	.4073	.6732	.2952	1.314	.2883	79.85	1.795	.0515	16.08
#1	15.22	17.11	3.967	405.3	.1922	.0002	-.0040	5.819	.0032
#2	15.13	16.95	3.950	397.9	.1914	.0006	-.0039	5.823	.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1468**	**.0224**	**-.0064**	**.0153**	**146.0**	**-.0001**	**.0073**
Stddev	.0008	.0002	.0001	.0001	.8	.0001	.0005
%RSD	.5164	1.031	2.017	.8427	.5450	61.04	6.859
#1	.1474	.0223	-.0063	.0152	145.5	-.0001	.0076
#2	.1463	.0226	-.0065	.0154	146.6	-.0001	.0069

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100470.**	**14957.**	**2019.7**	**5939.1**
Stddev	13.	24.	.4	2.5
%RSD	.01287	.15866	.02030	.04292
#1	100460.	14941.	2019.4	5937.3
#2	100480.	14974.	2020.0	5940.9

Zoom In Zoom Out

Sample Name: jb68735-15f Acquired: 6/10/2014 17:22:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1359**	**.0000**	**.0000**	**.0149**	**.0005**	**-.0036**	**5.159**	**.0142**	**-.0011**
Stddev	.0005	.0000	.0001	.0001	.0000	.0002	.013	.0005	.0002
%RSD	.3435	59.01	239.1	.8638	5.137	6.257	.2520	3.325	20.66
#1	.1356	.0001	.0000	.0148	.0006	-.0035	5.168	.0139	-.0009
#2	.1363	.0000	.0001	.0150	.0005	-.0038	5.150	.0146	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0226**	**.0026**	**-.0022**	**.0037**	**.0065**	**.0036**	**-.0007**	**32.55**
Stddev	.0000	.0003	.0007	.0008	.0004	.0018	.0013	.0000	.11
%RSD	3.918	1.287	25.72	38.58	12.06	27.81	35.64	.7311	.3526
#1	-.0007	.0224	.0021	-.0016	.0034	.0053	.0027	-.0007	32.63
#2	-.0007	.0228	.0031	-.0028	.0040	.0078	.0044	-.0007	32.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**126.4**	**36.46**	**4.275**	**177.4**	**.0223**	**-.0066**	**-.0039**	**2.711**	**.0006**
Stddev	.2	.13	.007	1.3	.0000	.0002	.0002	.041	.0004
%RSD	.1727	.3520	.1759	.7051	.1959	2.493	5.231	1.510	57.31
#1	126.6	36.55	4.270	178.2	.0223	-.0067	-.0037	2.682	.0009
#2	126.3	36.36	4.281	176.5	.0222	-.0065	-.0040	2.740	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2012**	**.0000**	**-.0014**	**.0082**	**109.7**	**.0025**	**.0051**
Stddev	.0002	.0001	.0004	.0003	2.6	.0001	.0002
%RSD	.1088	702.6	31.98	3.734	2.331	4.319	3.705
#1	.2011	.0001	-.0011	.0080	107.9	.0025	.0052
#2	.2014	-.0001	-.0017	.0084	111.5	.0026	.0050

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101470.**	**14776.**	**1998.2**	**6276.9**
Stddev	101.	127.	26.1	89.9
%RSD	.09968	.86189	1.3045	1.4316
#1	101400.	14686.	2016.7	6340.4
#2	101540.	14866.	1979.8	6213.4

Zoom In Zoom Out

Sample Name: jb68735-16f Acquired: 6/10/2014 17:28:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0403**	**.0018**	**.0025**	**.1838**	**.0027**	**-.0036**	**13.88**	**.1696**	**-.0038**
Stddev	.0003	.0001	.0000	.0011	.0001	.0001	.01	.0007	.0001
%RSD	.6767	2.971	1.196	.5753	4.969	4.079	.0744	.4389	3.447
#1	.0401	.0018	.0025	.1831	.0026	-.0035	13.87	.1691	-.0037
#2	.0405	.0017	.0025	.1846	.0028	-.0038	13.89	.1701	-.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0020**	**.1711**	**.0139**	**-.0120**	**.0139**	**.0021**	**.0072**	**.2193**	**67.32**
Stddev	.0003	.0003	.0007	.0025	.0002	.0011	.0010	.0049	.08
%RSD	17.01	.1583	4.755	20.78	1.579	51.57	13.38	2.254	.1191
#1	-.0018	.1709	.0144	-.0137	.0141	.0013	.0065	.2158	67.37
#2	-.0023	.1713	.0134	-.0102	.0138	.0029	.0078	.2228	67.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**138.1**	**140.7**	**8.582**	**635.9**	**.0246**	**-.0067**	**-.0178**	**2.464**	**-.0036**
Stddev	.2	.3	.035	7.9	.0010	.0001	.0002	.003	.0007
%RSD	.1255	.1910	.4121	1.235	4.204	1.351	1.288	.1329	18.91
#1	138.2	140.9	8.557	641.4	.0254	-.0067	-.0177	2.466	-.0031
#2	138.0	140.5	8.607	630.3	.0239	-.0066	-.0180	2.462	-.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6849**	**.0003**	**-.0037**	**.0523**	**557.6**	**.0009**	**.0072**
Stddev	.0009	.0001	.0012	.0000	.5	.0005	.0013
%RSD	.1351	21.42	32.68	.0661	.0900	60.69	18.05
#1	.6843	.0003	-.0046	.0523	557.9	.0005	.0063
#2	.6856	.0003	-.0029	.0523	557.2	.0013	.0082

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99024.**	**15374.**	**2003.8**	**5642.0**
Stddev	155.	56.	3.3	.6
%RSD	.15661	.36709	.16268	.00976
#1	98914.	15334.	2001.5	5641.7
#2	99133.	15414.	2006.1	5642.4

Zoom In Zoom Out

Sample Name: jb68735-17f Acquired: 6/10/2014 17:35:11 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0407**	**.0002**	**.0001**	**.0050**	**.0008**	**.0039**	**.2112**	**.0039**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0001	.0000	.0001	.0000	.0001
%RSD	.1773	.2657	89.79	1.362	15.90	.4291	.0342	.4572	25.12
#1	.0407	.0002	.0000	.0050	.0009	.0039	.2112	.0039	.0003
#2	.0406	.0002	.0002	.0051	.0007	.0039	.2113	.0039	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0807**	**.0009**	**.0026**	**.0032**	**.0053**	**.0021**	**.0172**	**36.93**
Stddev	.0001	.0004	.0008	.0001	.0011	.0007	.0001	.0056	.17
%RSD	27.19	.4444	84.61	4.045	32.86	12.49	5.291	32.24	.4486
#1	.0003	.0804	.0015	.0025	.0040	.0057	.0020	.0133	36.81
#2	.0004	.0809	.0004	.0027	.0025	.0048	.0021	.0211	37.04

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0749**	**10.75**	**3.758**	**527.8**	**.0376**	**.0026**	**-.0024**	**3.418**	**.0023**
Stddev	.0001	.06	.001	1.9	.0003	.0003	.0008	.004	.0001
%RSD	.1358	.5807	.0168	.3539	.8395	10.95	35.29	.1109	6.380
#1	.0748	10.71	3.757	529.1	.0379	.0024	-.0030	3.415	.0022
#2	.0749	10.80	3.758	526.5	.0374	.0029	-.0018	3.420	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0621**	**.0006**	**-.0101**	**.0129**	**128.5**	**.0003**	**.0050**
Stddev	.0001	.0002	.0010	.0002	.0	.0000	.0007
%RSD	.1491	31.59	10.03	1.480	.0203	13.72	13.91
#1	.0620	.0007	-.0109	.0131	128.5	.0003	.0045
#2	.0622	.0004	-.0094	.0128	128.6	.0003	.0055

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96716.**	**14689.**	**1965.4**	**5819.7**
Stddev	2.	25.	.9	4.2
%RSD	.00231	.16733	.04496	.07180
#1	96718.	14706.	1966.1	5816.7
#2	96715.	14671.	1964.8	5822.6

Zoom In Zoom Out

Sample Name: jb68735-18f Acquired: 6/10/2014 17:41:29 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0613**	**.0001**	**.0002**	**.0017**	**.0022**	**.0020**	**.3423**	**.0058**	**-.0001**
Stddev	.0003	.0000	.0000	.0003	.0001	.0000	.0025	.0004	.0002
%RSD	.5169	26.57	6.096	14.78	5.354	2.314	.7418	6.633	199.1
#1	.0615	.0000	.0002	.0016	.0021	.0019	.3441	.0061	.0000
#2	.0611	.0001	.0002	.0019	.0023	.0020	.3405	.0056	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0012**	**.0015**	**.0011**	**.0058**	**.0090**	**.0026**	**.0060**	**101.2**
Stddev	.0004	.0003	.0003	.0001	.0008	.0003	.0004	.0022	.4
%RSD	254.5	24.64	17.27	5.076	14.30	3.830	15.11	37.19	.3633
#1	.0001	-.0014	.0013	.0012	.0052	.0087	.0028	.0044	101.0
#2	-.0004	-.0010	.0016	.0011	.0064	.0092	.0023	.0075	101.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0257**	**42.55**	**4.746**	**447.6**	**.0477**	**.0044**	**-.0035**	**7.412**	**.0019**
Stddev	.0028	.24	.011	2.2	.0001	.0000	.0000	.017	.0004
%RSD	10.75	.5744	.2295	.4951	.2410	.3724	.5894	.2243	23.24
#1	.0237	42.38	4.738	446.0	.0478	.0043	-.0035	7.400	.0016
#2	.0276	42.72	4.754	449.2	.0476	.0044	-.0035	7.424	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1830**	**.0036**	**-.0126**	**.0182**	**190.2**	**.0005**	**.0146**
Stddev	.0004	.0001	.0002	.0000	.3	.0000	.0004
%RSD	.2338	3.157	1.867	.0291	.1667	1.580	2.791
#1	.1833	.0035	-.0124	.0182	190.0	.0005	.0149
#2	.1826	.0037	-.0127	.0182	190.4	.0006	.0143

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97706.**	**14493.**	**1960.9**	**5787.2**
Stddev	688.	96.	3.9	.0
%RSD	.70364	.66422	.19665	.00024
#1	97220.	14561.	1963.6	5787.2
#2	98192.	14425.	1958.1	5787.2

Zoom In Zoom Out

Sample Name: jb68735-19f Acquired: 6/10/2014 17:47:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0755**	**.0000**	**.0002**	**.0013**	**.0013**	**.0016**	**.3995**	**.0048**	**-.0001**
Stddev	.0001	.0000	.0003	.0005	.0001	.0004	.0022	.0001	.0000
%RSD	.1326	440.7	188.6	40.68	5.047	22.39	.5589	1.477	37.41
#1	.0754	.0000	.0004	.0017	.0014	.0013	.3979	.0047	-.0001
#2	.0755	.0000	-.0001	.0010	.0013	.0018	.4010	.0048	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0081**	**.0014**	**.0019**	**.0036**	**.0088**	**.0018**	**.0052**	**72.35**
Stddev	.0000	.0001	.0002	.0012	.0015	.0023	.0001	.0001	.06
%RSD	14.10	1.224	14.47	65.98	41.91	26.44	6.036	1.246	.0889
#1	-.0001	.0080	.0015	.0028	.0026	.0072	.0017	.0051	72.31
#2	-.0002	.0082	.0012	.0010	.0047	.0104	.0018	.0052	72.40

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0465**	**34.26**	**5.927**	**433.5**	**.0333**	**.0058**	**-.0029**	**7.986**	**.0030**
Stddev	.0024	.09	.018	3.5	.0003	.0001	.0000	.015	.0001
%RSD	5.263	.2481	.3051	.8062	.9346	1.326	1.245	.1844	1.947
#1	.0448	34.20	5.940	431.0	.0331	.0057	-.0028	7.976	.0030
#2	.0482	34.32	5.915	435.9	.0335	.0058	-.0029	7.996	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1605**	**.0002**	**-.0130**	**.0107**	**119.7**	**-.0005**	**.0147**
Stddev	.0000	.0004	.0002	.0000	.5	.0005	.0000
%RSD	.0065	193.5	1.257	.3871	.4089	95.11	.0464
#1	.1605	.0005	-.0128	.0107	119.3	-.0002	.0147
#2	.1605	-.0001	-.0131	.0107	120.0	-.0009	.0147

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97635.**	**14642.**	**1961.6**	**5804.0**
Stddev	315.	11.	3.4	3.7
%RSD	.32305	.07549	.17491	.06421
#1	97858.	14649.	1964.0	5806.6
#2	97412.	14634.	1959.2	5801.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 17:54:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.005**	**1.999**	**2.003**	**2.007**	**2.016**	**2.057**	**2.029**	**.2426**
Stddev	.003	.003	.002	.003	.003	.005	.002	.002	.0001
%RSD	.1373	.1572	.1095	.1669	.1361	.2654	.0788	.0962	.0316
#1	2.021	2.002	1.997	2.001	2.005	2.020	2.056	2.027	.2426
#2	2.025	2.007	2.001	2.006	2.009	2.012	2.059	2.030	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.037**	**2.030**	**1.974**	**2.055**	**2.034**	**2.003**	**1.994**	**39.74**	**39.35**
Stddev	.001	.001	.006	.016	.001	.002	.004	.02	.05
%RSD	.0329	.0699	.2965	.7811	.0250	.0743	.2199	.0612	.1373
#1	2.038	2.029	1.969	2.043	2.034	2.002	1.991	39.72	39.31
#2	2.037	2.031	1.978	2.066	2.035	2.004	1.997	39.76	39.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.99**	**38.55**	**40.31**	**40.19**	**2.009**	**2.023**	**1.991**	**4.959**	**2.029**
Stddev	.03	.11	.02	.03	.004	.004	.008	.001	.004
%RSD	.0697	.2878	.0494	.0687	.2186	.1879	.4011	.0112	.2149
#1	38.97	38.47	40.29	40.17	2.006	2.020	1.996	4.960	2.026
#2	39.01	38.63	40.32	40.21	2.012	2.026	1.985	4.959	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 17:54:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.020**	**1.853**	**2.001**	**1.944**	**1.999**	**2.004**
Stddev	.001	.000	.024	.000	.008	.001	.001
%RSD	.0588	.0221	1.271	.0056	.4057	.0548	.0334
#1	2.038	2.020	1.836	2.001	1.938	2.000	2.004
#2	2.040	2.019	1.870	2.001	1.950	1.998	2.003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104850.**	**14807.**	**2103.7**	**6473.8**
Stddev	40.	34.	2.1	2.6
%RSD	.03848	.22953	.10110	.04067
#1	104820.	14832.	2105.2	6475.7
#2	104870.	14783.	2102.2	6472.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 18:00:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0007**	**.0005**	**.0006**	**.0008**	**.0005**	**.0008**	**.0007**	**.0002**
Stddev	.0004	.0001	.0001	.0001	.0002	.0002	.0000	.0003	.0004
%RSD	53.28	18.51	25.61	11.44	20.52	43.87	2.521	44.66	244.7
#1	.0005	.0006	.0006	.0007	.0010	.0004	.0008	.0009	-.0001
#2	.0010	.0007	.0004	.0006	.0007	.0007	.0009	.0005	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0010**	**.0020**	**.0012**	**.0002**	**.0014**	**.0004**	**.0084**	**.0126**
Stddev	.0002	.0001	.0008	.0002	.0007	.0009	.0006	.0068	.0008
%RSD	16.42	15.31	39.02	16.54	415.5	63.48	159.6	81.28	6.045
#1	.0010	.0011	.0025	.0010	-.0003	.0008	-.0001	.0132	.0120
#2	.0008	.0009	.0014	.0013	.0007	.0020	.0009	.0036	.0131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0150**	**.0234**	**.0560**	**.1281**	**.0005**	F **.0022**	**.0005**	**.0014**	**.0003**
Stddev	.0034	.0013	.0009	.0044	.0008	.0003	.0006	.0000	.0002
%RSD	22.40	5.610	1.577	3.442	174.6	15.06	129.0	2.315	58.62
#1	.0126	.0244	.0566	.1312	.0010	.0024	.0000	.0014	.0002
#2	.0174	.0225	.0554	.1249	-.0001	.0019	.0009	.0014	.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 18:00:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0010**	**.0115**	F **.0012**	**.0037**	**.0007**	F **.0021**
Stddev	.0000	.0003	.0022	.0002	.0009	.0007	.0001
%RSD	6.731	28.11	19.33	14.17	23.77	109.8	5.505
#1	.0006	.0012	.0131	.0013	.0043	.0012	.0021
#2	.0007	.0008	.0099	.0011	.0031	.0002	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit				.0010			.0020
Low Limit				-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112730.**	**15019.**	**2188.4**	**7214.7**
Stddev	2.	42.	3.3	7.1
%RSD	.00155	.27649	.15255	.09795
#1	112730.	14989.	2190.7	7219.7
#2	112730.	15048.	2186.0	7209.7

Zoom In Zoom Out

Sample Name: mp79933-mb1 2 Acquired: 6/10/2014 18:06:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**-.0001**	**.0001**	**.0004**	**-.0001**	**.0000**	**-.0003**	**-.0002**
Stddev	.0000	.0000	.0000	.0001	.0002	.0001	.0000	.0001	.0001
%RSD	15.15	67.79	42.54	104.9	50.00	97.11	61.54	41.34	29.03
#1	.0001	-.0001	-.0001	.0000	.0002	.0000	.0000	-.0002	-.0002
#2	.0001	.0000	-.0001	.0001	.0005	-.0002	.0000	-.0004	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0030**	**.0008**	**-.0014**	**-.0002**	**.0015**	**.0008**	**.0001**	**.0110**
Stddev	.0000	.0002	.0012	.0016	.0007	.0014	.0002	.0062	.0020
%RSD	2.743	5.404	147.0	119.2	302.2	94.54	31.26	4924.	17.85
#1	.0000	.0029	.0016	-.0025	-.0007	.0025	.0006	.0045	.0124
#2	.0000	.0031	.0000	-.0002	.0003	.0005	.0009	-.0042	.0096

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0044**	**.0177**	**.0276**	**.0760**	**.0000**	**.0007**	**-.0002**	**.0339**	**-.0002**
Stddev	.0020	.0162	.0273	.0020	.0002	.0000	.0003	.0000	.0002
%RSD	44.85	91.69	98.91	2.635	368.5	2.578	130.5	.0142	142.4
#1	.0057	.0292	.0083	.0774	.0002	.0007	-.0005	.0339	-.0003
#2	.0030	.0062	.0469	.0745	-.0001	.0008	.0000	.0339	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**.0100**	**.0016**	**.0065**	**-.0007**	**.0003**
Stddev	.000	.000	.0007	.0000	.0005	.0001	.0002
%RSD	951.6	256.3	7.073	2.721	7.044	12.78	74.12
#1	.0000	-.0001	.0105	.0016	.0062	-.0006	.0005
#2	.0000	.0000	.0095	.0016	.0068	-.0008	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112400.**	**15175.**	**2178.6**	**7171.3**
Stddev	94.	48.	4.2	5.4
%RSD	.08380	.31828	.19214	.07547
#1	112330.	15140.	2175.6	7175.1
#2	112470.	15209.	2181.5	7167.4

Zoom In Zoom Out

Sample Name: mp79933-mb2 Acquired: 6/10/2014 18:12:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0001**	**.0000**	**.0003**	**-.0006**	**.0000**	**-.0005**	**-.0002**
Stddev	.0002	.000	.0001	.0002	.0000	.0002	.0000	.0002	.0002
%RSD	93.11	164.1	104.8	1531.	12.56	40.24	150.4	33.64	82.35
#1	.0001	-.0001	.0000	.0001	.0003	-.0008	.0000	-.0006	-.0003
#2	.0003	.0000	.0002	-.0001	.0003	-.0004	.0000	-.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0016**	**.0000**	**-.0024**	**-.0002**	**.0019**	**.0010**	**-.0033**	**.0102**
Stddev	.0004	.0000	.000	.0002	.0005	.0011	.0003	.0009	.0021
%RSD	246.8	2.976	1626.	6.378	250.1	58.04	28.41	26.61	20.55
#1	-.0001	.0017	-.0002	-.0023	.0002	.0026	.0008	-.0040	.0087
#2	.0005	.0016	.0001	-.0025	-.0006	.0011	.0012	-.0027	.0116

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0058**	**.0123**	**.0217**	**.0613**	**.0003**	**.0010**	**-.0010**	**.0355**	**-.0001**
Stddev	.0017	.0040	.0351	.0032	.0000	.0003	.0009	.0002	.0004
%RSD	28.29	32.66	161.8	5.271	10.52	35.17	89.25	.6830	763.1
#1	.0070	.0095	-.0031	.0636	.0003	.0012	-.0016	.0357	.0003
#2	.0047	.0152	.0465	.0590	.0003	.0007	-.0004	.0354	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0168**	**.0017**	**.0069**	**-.0018**	**.0003**
Stddev	.000	.0000	.0002	.0001	.0000	.0002	.0002
%RSD	47.60	41.43	1.434	6.842	.5418	12.62	55.66
#1	.0000	.0001	.0170	.0017	.0069	-.0016	.0002
#2	.0000	.0001	.0167	.0018	.0069	-.0019	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111220.**	**14985.**	**2161.5**	**7147.1**
Stddev	99.	27.	.3	7.0
%RSD	.08883	.18339	.01261	.09814
#1	111150.	15005.	2161.7	7142.1
#2	111290.	14966.	2161.3	7152.1

Zoom In Zoom Out

Sample Name: mp79933-mb3 Acquired: 6/10/2014 18:19:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0000**	**.0001**	**.0003**	**-.0003**	**.0000**	**-.0005**	**-.0002**
Stddev	.0001	.0000	.0000	.0002	.0000	.0001	.0000	.0001	.0000
%RSD	36.12	2.531	25.61	167.5	6.439	26.96	11.75	10.70	1.244
#1	.0004	-.0001	.0000	.0003	.0003	-.0004	.0000	-.0006	-.0002
#2	.0002	-.0001	.0001	.0000	.0003	-.0003	.0000	-.0005	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0013**	**-.0004**	**-.0012**	**-.0008**	**.0028**	**.0014**	**.0105**	**.0082**
Stddev	.0002	.0001	.0009	.0003	.0000	.0001	.0008	.0003	.0002
%RSD	174.9	4.279	204.0	25.68	.9804	3.018	59.40	3.170	2.581
#1	.0002	.0013	.0002	-.0010	-.0007	.0027	.0019	.0103	.0083
#2	.0000	.0014	-.0011	-.0014	-.0008	.0029	.0008	.0107	.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0052**	**.0003**	**.0222**	**.0579**	**.0006**	**.0004**	**-.0005**	**.0177**	**.0001**
Stddev	.0003	.0066	.0154	.0061	.0005	.0000	.0008	.0006	.0001
%RSD	5.751	2012.	69.47	10.52	76.24	9.539	163.4	3.125	61.66
#1	.0050	-.0044	.0113	.0622	.0003	.0004	-.0010	.0173	.0001
#2	.0054	.0050	.0331	.0536	.0009	.0004	.0001	.0181	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**.0077**	**.0012**	**.0068**	**-.0021**	**.0008**
Stddev	.000	.0001	.0004	.0001	.0023	.0001	.0006
%RSD	289.9	50.60	5.436	5.240	33.23	4.927	67.42
#1	.0000	.0001	.0080	.0013	.0085	-.0022	.0012
#2	.0000	.0003	.0074	.0012	.0052	-.0020	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111180.**	**14908.**	**2159.3**	**7116.5**
Stddev	305.	99.	5.3	10.2
%RSD	.27459	.66192	.24556	.14319
#1	110970.	14838.	2163.0	7123.7
#2	111400.	14978.	2155.5	7109.3

Zoom In Zoom Out

Sample Name: mp79933-lc1 Acquired: 6/10/2014 18:25:19 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5132**	**.4772**	**.4717**	**.4601**	**.4852**	**.4558**	**.4958**	**.4765**	**.1968**
Stddev	.0006	.0003	.0005	.0000	.0008	.0003	.0009	.0006	.0006
%RSD	.1155	.0731	.1026	.0022	.1659	.0650	.1901	.1324	.3123
#1	.5128	.4774	.4713	.4601	.4846	.4561	.4952	.4760	.1973
#2	.5136	.4769	.4720	.4601	.4858	.4556	.4965	.4769	.1964

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4649**	**.4921**	**.4708**	**.5093**	**.4764**	**.5058**	**.4607**	**4.929**	**5.558**
Stddev	.0012	.0001	.0014	.0027	.0011	.0028	.0001	.001	.022
%RSD	.2678	.0208	.2973	.5377	.2278	.5453	.0231	.0191	.3983
#1	.4640	.4920	.4717	.5113	.4756	.5038	.4607	4.928	5.573
#2	.4657	.4922	.4698	.5074	.4772	.5077	.4606	4.929	5.542

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.542**	**5.391**	**10.19**	**10.18**	**.0103**	**.4796**	**-.0008**	**.0361**	**.0004**
Stddev	.007	.009	.04	.01	.0006	.0003	.0001	.0005	.0010
%RSD	.1256	.1740	.4231	.1185	5.683	.0701	11.68	1.483	294.3
#1	5.547	5.398	10.16	10.17	.0108	.4794	-.0009	.0365	-.0004
#2	5.537	5.384	10.22	10.18	.0099	.4799	-.0008	.0357	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4889**	**.0001**	**.0045**	**.0180**	**-.0009**	**.0015**
Stddev	.0000	.0006	.0006	.0001	.0009	.0007	.0004
%RSD	11.09	.1308	504.0	1.335	4.952	71.78	28.21
#1	-.0001	.4885	.0005	.0046	.0186	-.0014	.0018
#2	-.0001	.4894	-.0003	.0045	.0174	-.0004	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110390.**	**15061.**	**2154.1**	**6930.5**
Stddev	193.	59.	.7	4.7
%RSD	.17460	.39152	.03337	.06726
#1	110530.	15019.	2153.6	6927.2
#2	110250.	15102.	2154.6	6933.8

Zoom In Zoom Out

Sample Name: mp79933-lc2 Acquired: 6/10/2014 18:31:24 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4919**	**.4591**	**.4470**	**.4376**	**.4677**	**.4379**	**.4779**	**.4517**	**.1852**
Stddev	.0002	.0005	.0014	.0007	.0014	.0010	.0009	.0001	.0005
%RSD	.0318	.1007	.3231	.1547	.2904	.2244	.1890	.0285	.2631
#1	.4920	.4595	.4460	.4371	.4687	.4386	.4785	.4518	.1855
#2	.4918	.4588	.4481	.4381	.4667	.4372	.4772	.4516	.1848

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4518**	**.4679**	**.4459**	**.4744**	**.4486**	**.4773**	**.4394**	**4.759**	**5.320**
Stddev	.0005	.0008	.0002	.0013	.0011	.0001	.0002	.011	.008
%RSD	.1091	.1719	.0466	.2668	.2465	.0149	.0503	.2254	.1491
#1	.4521	.4673	.4460	.4753	.4478	.4773	.4392	4.751	5.325
#2	.4514	.4685	.4457	.4735	.4493	.4774	.4395	4.767	5.314

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.291**	**5.144**	**9.773**	**9.762**	**.0062**	**.4644**	**-.0010**	**.0013**	**.0008**
Stddev	.013	.018	.003	.002	.0000	.0004	.0003	.0004	.0005
%RSD	.2361	.3584	.0270	.0177	.4401	.0865	30.24	30.79	56.57
#1	5.300	5.158	9.775	9.761	.0062	.4641	-.0008	.0010	.0005
#2	5.283	5.131	9.771	9.763	.0063	.4647	-.0012	.0015	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4706**	**.0088**	**.0034**	**.0073**	**-.0027**	**.0011**
Stddev	.0000	.0009	.0000	.0000	.0005	.0000	.0001
%RSD	8.503	.1976	.4094	.0607	6.549	.4162	7.901
#1	-.0002	.4713	.0087	.0034	.0076	-.0028	.0010
#2	-.0002	.4700	.0088	.0034	.0069	-.0027	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108940.**	**14798.**	**2130.7**	**6892.9**
Stddev	482.	35.	2.6	13.6
%RSD	.44233	.23426	.12418	.19729
#1	108600.	14773.	2128.9	6883.3
#2	109280.	14822.	2132.6	6902.5

Zoom In Zoom Out

Sample Name: mp79933-lc3 Acquired: 6/10/2014 18:37:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4896**	**.4578**	**.4461**	**.4374**	**.4668**	**.4322**	**.4748**	**.4513**	**.1846**
Stddev	.0011	.0004	.0009	.0009	.0001	.0008	.0000	.0003	.0006
%RSD	.2172	.0966	.1999	.1995	.0279	.1954	.0020	.0719	.3066
#1	.4904	.4575	.4454	.4368	.4667	.4328	.4748	.4515	.1850
#2	.4889	.4581	.4467	.4380	.4669	.4316	.4748	.4511	.1842

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4468**	**.4657**	**.4467**	**.4718**	**.4466**	**.4778**	**.4366**	**4.725**	**5.299**
Stddev	.0000	.0009	.0017	.0050	.0009	.0009	.0005	.001	.009
%RSD	.0079	.1855	.3843	1.057	.1907	.1857	.1204	.0104	.1703
#1	.4468	.4651	.4479	.4683	.4472	.4784	.4369	4.725	5.292
#2	.4468	.4663	.4454	.4754	.4460	.4772	.4362	4.725	5.305

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.309**	**5.156**	**9.709**	**9.689**	**.0061**	**.4638**	**-.0001**	**.0473**	**.0008**
Stddev	.005	.039	.030	.009	.0003	.0010	.0003	.0002	.0003
%RSD	.1003	.7606	.3060	.0956	4.096	.2239	195.6	.4953	38.43
#1	5.305	5.128	9.730	9.683	.0063	.4631	-.0003	.0475	.0010
#2	5.313	5.183	9.688	9.696	.0059	.4645	.0001	.0471	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4688**	**.0075**	**.0025**	**.0140**	**-.0023**	**.0006**
Stddev	.0001	.0000	.0008	.0001	.0005	.0006	.0011
%RSD	33.15	.0071	10.54	5.168	3.750	27.78	175.0
#1	-.0003	.4688	.0081	.0026	.0144	-.0019	-.0002
#2	-.0002	.4688	.0070	.0024	.0136	-.0028	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109630.**	**14816.**	**2133.6**	**6907.9**
Stddev	118.	25.	1.9	5.2
%RSD	.10760	.17011	.09006	.07499
#1	109540.	14834.	2132.3	6904.2
#2	109710.	14799.	2135.0	6911.6

Zoom In Zoom Out

Sample Name: jb68735-1 Acquired: 6/10/2014 18:43:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0906**	**.0009**	**.0166**	**.0135**	**.0020**	**.0057**	**.4211**	**.0150**	**-.0001**
Stddev	.0001	.0000	.0002	.0004	.0002	.0001	.0006	.0001	.0003
%RSD	.1483	1.367	.9676	3.200	7.988	2.454	.1359	.9316	231.2
#1	.0907	.0009	.0165	.0132	.0019	.0058	.4207	.0151	-.0004
#2	.0905	.0009	.0167	.0138	.0021	.0056	.4215	.0149	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.1934**	**-.0002**	**-.0008**	**.0029**	**.0057**	**.0008**	**.2836**	**5.001**
Stddev	.0000	.0008	.0001	.0013	.0007	.0008	.0007	.0137	.001
%RSD	.0218	.4243	61.28	155.9	24.06	13.36	79.83	4.837	.0095
#1	.0010	.1928	-.0002	.0001	.0024	.0052	.0004	.2933	5.002
#2	.0010	.1940	-.0001	-.0017	.0034	.0063	.0013	.2739	5.001

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.735**	**3.657**	**1.873**	**10.87**	**.0067**	**.0000**	**-.0008**	**8.460**	**.0004**
Stddev	.003	.053	.043	.02	.0000	.000	.0000	.039	.0005
%RSD	.1811	1.463	2.283	.1913	.7087	464.1	2.971	.4573	120.0
#1	1.738	3.619	1.903	10.88	.0067	.0001	-.0008	8.433	.0008
#2	1.733	3.695	1.842	10.86	.0067	-.0002	-.0008	8.488	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0367**	**.0072**	**-.0087**	**.0000**	**5.614**	**-.0006**	**.0332**
Stddev	.0001	.0006	.0002	.000	.009	.0004	.0011
%RSD	.3163	8.953	1.978	121.1	.1658	58.14	3.377
#1	.0366	.0077	-.0088	.0000	5.608	-.0009	.0339
#2	.0368	.0068	-.0086	-.0001	5.621	-.0004	.0324

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111630.**	**15030.**	**2163.4**	**7033.3**
Stddev	36.	37.	11.9	26.7
%RSD	.03235	.24481	.54901	.37940
#1	111660.	15056.	2171.8	7052.1
#2	111610.	15004.	2155.0	7014.4

Zoom In Zoom Out

Sample Name: jb68735-2 Acquired: 6/10/2014 18:49:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1765**	**.0000**	**.0003**	**.0027**	**.0024**	**.0033**	**1.136**	**.0005**	**-.0002**
Stddev	.0001	.0000	.0000	.0001	.0002	.0000	.001	.0001	.0000
%RSD	.0468	80.29	3.290	4.466	7.386	.1824	.1261	27.56	5.728
#1	.1764	.0000	.0002	.0027	.0023	.0033	1.135	.0004	-.0003
#2	.1765	.0000	.0003	.0026	.0025	.0033	1.137	.0006	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0219**	**.0049**	**.0004**	**.0008**	**.0080**	**-.0001**	**.0441**	**45.09**
Stddev	.0001	.0001	.0001	.0017	.0007	.0000	.0003	.0046	.21
%RSD	39.50	.5698	1.953	458.1	87.51	.3202	397.2	10.35	.4685
#1	.0002	.0218	.0050	-.0008	.0012	.0080	-.0003	.0409	45.24
#2	.0004	.0220	.0049	.0016	.0003	.0080	.0002	.0474	44.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.18**	**4.368**	**4.859**	**128.3**	**.0166**	**.0005**	**-.0021**	**4.932**	**.0016**
Stddev	.01	.047	.006	2.0	.0004	.0001	.0004	.008	.0005
%RSD	.1328	1.074	.1267	1.548	2.229	24.66	19.14	.1671	33.38
#1	11.19	4.401	4.854	126.9	.0163	.0006	-.0018	4.926	.0012
#2	11.17	4.335	4.863	129.7	.0168	.0004	-.0024	4.937	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1610**	**.0014**	**-.0099**	**-.0005**	**3.564**	**-.0002**	**.0070**
Stddev	.0001	.0001	.0009	.0000	.001	.0008	.0006
%RSD	.0558	3.834	8.828	3.415	.0167	390.2	8.648
#1	.1611	.0014	-.0105	-.0005	3.563	-.0007	.0066
#2	.1609	.0014	-.0093	-.0005	3.564	.0003	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104460.**	**14819.**	**2063.3**	**6372.3**
Stddev	41.	65.	2.6	16.2
%RSD	.03896	.43656	.12740	.25351
#1	104490.	14774.	2065.1	6383.7
#2	104430.	14865.	2061.4	6360.9

Zoom In Zoom Out

Sample Name: jb68735-3 Acquired: 6/10/2014 18:56:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1290**	**.0001**	**.0002**	**-.0008**	**.0009**	**.0020**	**.0417**	**-.0002**	**-.0003**
Stddev	.0001	.0000	.0002	.0001	.0001	.0001	.0000	.0003	.0004
%RSD	.1125	42.27	80.72	11.73	17.06	5.704	.0409	126.7	154.7
#1	.1289	.0000	.0001	-.0006	.0008	.0021	.0416	.0000	.0000
#2	.1291	.0001	.0003	-.0005	.0010	.0019	.0417	-.0004	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0021**	**.0003**	**-.0014**	**.0002**	**.0064**	**.0001**	**.0091**	**25.90**
Stddev	.0005	.0000	.0003	.0003	.0001	.0001	.0002	.0045	.00
%RSD	347.5	2.292	85.12	18.61	55.15	1.405	280.5	49.52	.0021
#1	.0005	.0022	.0001	-.0012	.0002	.0063	.0002	.0059	25.90
#2	-.0002	.0021	.0006	-.0016	.0001	.0064	-.0001	.0123	25.90

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1779**	**2.411**	**6.036**	**133.0**	**.0182**	**.0006**	**-.0019**	**4.163**	**.0018**
Stddev	.0011	.012	.015	1.4	.0002	.0001	.0005	.011	.0004
%RSD	.6412	.5152	.2469	1.071	1.207	12.12	23.51	.2718	22.80
#1	.1771	2.402	6.047	132.0	.0183	.0006	-.0023	4.155	.0021
#2	.1787	2.420	6.026	134.0	.0180	.0007	-.0016	4.171	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1062**	**.0005**	**-.0106**	**.0004**	**6.360**	**-.0005**	**.0070**
Stddev	.0001	.0001	.0006	.0001	.024	.0000	.0005
%RSD	.1293	13.03	5.964	15.27	.3837	2.158	7.013
#1	.1063	.0004	-.0102	.0005	6.343	-.0005	.0074
#2	.1061	.0005	-.0111	.0004	6.378	-.0005	.0067

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105080.**	**14904.**	**2083.3**	**6443.0**
Stddev	132.	4.	4.1	2.8
%RSD	.12603	.02731	.19891	.04421
#1	105170.	14901.	2086.2	6441.0
#2	104980.	14906.	2080.4	6445.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 19:02:26 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.053**	**2.031**	**2.015**	**2.018**	**2.040**	**2.009**	**2.074**	**2.042**	**.2447**
Stddev	.026	.025	.005	.003	.000	.003	.001	.004	.0002
%RSD	1.249	1.240	.2668	.1272	.0025	.1249	.0402	.2175	.0829
#1	2.071	2.049	2.019	2.020	2.040	2.007	2.074	2.045	.2448
#2	2.035	2.014	2.011	2.016	2.040	2.010	2.075	2.039	.2445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.048**	**1.991**	**2.075**	**2.048**	**2.016**	**1.999**	**40.00**	**40.55**
Stddev	.001	.007	.005	.005	.005	.011	.006	.43	.51
%RSD	.0434	.3509	.2456	.2378	.2383	.5295	.2861	1.066	1.252
#1	2.040	2.053	1.994	2.079	2.051	2.023	2.003	40.30	40.91
#2	2.039	2.043	1.987	2.072	2.044	2.008	1.995	39.70	40.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.62**	**39.64**	**40.86**	**40.87**	**2.023**	**2.036**	**1.995**	**4.982**	**2.052**
Stddev	.52	.48	.44	.44	.003	.007	.001	.017	.008
%RSD	1.317	1.206	1.072	1.083	.1355	.3455	.0594	.3496	.3772
#1	39.99	39.98	41.17	41.18	2.025	2.041	1.995	4.995	2.057
#2	39.25	39.31	40.55	40.56	2.022	2.031	1.996	4.970	2.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 19:02:26 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.033**	**1.846**	**2.019**	**1.953**	**2.009**	**2.039**
Stddev	.028	.001	.016	.003	.006	.005	.024
%RSD	1.348	.0363	.8884	.1531	.2975	.2510	1.178
#1	2.100	2.032	1.834	2.017	1.957	2.012	2.056
#2	2.060	2.033	1.858	2.021	1.949	2.005	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104710.**	**14475.**	**2097.0**	**6464.3**
Stddev	61.	96.	3.9	9.2
%RSD	.05793	.66655	.18647	.14227
#1	104760.	14406.	2094.3	6457.8
#2	104670.	14543.	2099.8	6470.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 19:08:27 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	F **.0007**	**.0008**	**.0007**	**.0005**	**.0007**	**.0007**	**-.0001**
Stddev	.0000	.0001	.0004	.0003	.0005	.0002	.0001	.0003	.0001
%RSD	5.357	36.33	58.45	42.68	72.33	33.22	14.81	46.17	76.78
#1	.0006	.0003	.0010	.0011	.0003	.0004	.0007	.0009	-.0002
#2	.0006	.0004	.0004	.0006	.0011	.0006	.0008	.0005	-.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0010**	**.0009**	**.0011**	**.0007**	**.0029**	**.0013**	**.0057**	**.0084**
Stddev	.0003	.0002	.0001	.0001	.0012	.0012	.0001	.0002	.0031
%RSD	36.26	23.92	11.46	7.048	174.9	39.64	8.244	3.576	37.43
#1	.0005	.0012	.0010	.0011	.0016	.0037	.0014	.0058	.0061
#2	.0009	.0008	.0008	.0010	-.0002	.0021	.0013	.0055	.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0106**	**.0232**	**.0546**	**.0348**	**.0011**	F **.0023**	**.0000**	**.0028**	**.0000**
Stddev	.0001	.0005	.0124	.0036	.0005	.0007	.000	.0008	.0002
%RSD	.9699	2.248	22.63	10.25	44.67	29.22	427.6	26.90	1581.
#1	.0105	.0228	.0459	.0322	.0015	.0028	.0000	.0033	.0001
#2	.0107	.0236	.0634	.0373	.0008	.0018	-.0001	.0023	-.0001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 19:08:27 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0007**	**.0095**	F **.0012**	**.0010**	**.0014**	**.0012**
Stddev	.0001	.0002	.0028	.0001	.0002	.0008	.0010
%RSD	28.42	34.08	29.75	4.166	17.68	56.30	89.51
#1	.0003	.0005	.0115	.0012	.0011	.0008	.0004
#2	.0005	.0009	.0075	.0012	.0009	.0019	.0019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111650.**	**14732.**	**2190.8**	**7194.4**
Stddev	119.	17.	10.9	35.9
%RSD	.10701	.11576	.49560	.49848
#1	111730.	14744.	2183.1	7169.0
#2	111560.	14720.	2198.4	7219.7

Zoom In Zoom Out

Sample Name: jb68735-4 Acquired: 6/10/2014 19:14:45 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1375**	**.0001**	**.0007**	**.0032**	**.0015**	**.0028**	**.8676**	**.0019**	**.0004**
Stddev	.0003	.0000	.0001	.0000	.0001	.0002	.0010	.0001	.0000
%RSD	.2082	16.63	12.05	1.161	7.219	7.203	.1118	4.174	4.241
#1	.1373	.0000	.0008	.0032	.0015	.0030	.8683	.0019	.0004
#2	.1377	.0001	.0007	.0031	.0014	.0027	.8669	.0018	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0035**	**.0005**	**-.0004**	**.0012**	**.0063**	**-.0003**	**.0123**	**53.23**
Stddev	.0001	.0001	.0007	.0025	.0003	.0012	.0016	.0011	.01
%RSD	35.31	3.130	127.1	562.5	24.42	19.15	502.9	9.354	.0224
#1	.0001	.0035	.0010	-.0022	.0014	.0054	-.0015	.0115	53.22
#2	.0002	.0034	.0001	.0013	.0010	.0071	.0008	.0131	53.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.054**	**9.593**	**5.424**	**125.7**	**.0256**	**.0012**	**-.0016**	**5.419**	**.0022**
Stddev	.001	.012	.020	.7	.0004	.0000	.0006	.013	.0013
%RSD	.1012	.1247	.3734	.5507	1.753	3.248	40.38	.2347	58.83
#1	1.054	9.584	5.410	125.2	.0253	.0012	-.0011	5.410	.0013
#2	1.055	9.601	5.439	126.2	.0260	.0012	-.0020	5.428	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2301**	**.0009**	**.0081**	**.0024**	**13.59**	**-.0002**	**.0108**
Stddev	.0002	.0000	.0016	.0000	.05	.0016	.0002
%RSD	.1054	.8775	20.15	1.200	.3351	654.5	1.655
#1	.2299	.0009	.0092	.0024	13.56	-.0014	.0107
#2	.2303	.0009	.0069	.0024	13.63	.0009	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104540.**	**14778.**	**2058.9**	**6370.0**
Stddev	4.	21.	3.3	5.4
%RSD	.00390	.14503	.16127	.08487
#1	104550.	14794.	2061.3	6373.8
#2	104540.	14763.	2056.6	6366.2

Zoom In Zoom Out

Sample Name: jb68735-5 Acquired: 6/10/2014 19:21:04 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0384**	**.0001**	**.0003**	**-.0004**	**.0011**	**.0079**	**.0511**	**.0015**	**-.0002**
Stddev	.0001	.0000	.0001	.0002	.0002	.0002	.0001	.0001	.0002
%RSD	.3510	27.72	35.33	61.51	20.70	3.027	.1221	5.118	94.06
#1	.0383	.0000	.0002	-.0002	.0010	.0077	.0510	.0016	-.0003
#2	.0385	.0001	.0003	-.0005	.0013	.0081	.0511	.0015	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0446**	**.0022**	**-.0013**	**.0019**	**.0056**	**.0004**	**.1284**	**21.81**
Stddev	.0000	.0001	.0004	.0008	.0002	.0012	.0004	.0026	.02
%RSD	1.085	.1343	16.50	62.59	11.13	21.72	112.7	1.998	.1072
#1	.0010	.0446	.0020	-.0007	.0017	.0047	.0007	.1265	21.83
#2	.0010	.0447	.0025	-.0019	.0020	.0065	.0001	.1302	21.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7867**	**2.117**	**4.671**	**65.78**	**.0241**	**.0024**	**-.0016**	**3.958**	**.0021**
Stddev	.0028	.024	.007	.04	.0001	.0002	.0007	.001	.0006
%RSD	.3590	1.126	.1490	.0626	.2339	9.825	47.49	.0335	27.75
#1	.7847	2.100	4.676	65.76	.0241	.0023	-.0021	3.957	.0025
#2	.7887	2.134	4.666	65.81	.0242	.0026	-.0010	3.959	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0939**	**.0029**	**-.0019**	**.0011**	**3.610**	**-.0009**	**.0040**
Stddev	.0001	.0002	.0007	.0002	.014	.0008	.0008
%RSD	.0634	7.753	34.71	14.78	.3951	93.24	20.45
#1	.0939	.0027	-.0015	.0012	3.600	-.0014	.0034
#2	.0940	.0030	-.0024	.0010	3.620	-.0003	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107060.**	**14932.**	**2110.0**	**6645.4**
Stddev	43.	13.	3.5	4.5
%RSD	.03977	.08543	.16567	.06773
#1	107090.	14923.	2112.4	6648.6
#2	107030.	14941.	2107.5	6642.2

Zoom In Zoom Out

Sample Name: jb68735-7 Acquired: 6/10/2014 19:27:17 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3101**	**.0001**	**.0003**	**.0016**	**.0014**	**.0015**	**.4366**	**.0010**	**.0000**
Stddev	.0002	.0000	.0000	.0005	.0001	.0002	.0000	.0001	.000
%RSD	.0620	10.21	10.02	34.34	9.156	12.70	.0067	13.98	118.3
#1	.3100	.0001	.0003	.0019	.0013	.0017	.4366	.0009	.0000
#2	.3103	.0001	.0003	.0012	.0015	.0014	.4366	.0011	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0012**	**.0016**	**-.0004**	**.0020**	**.0110**	**.0000**	**.0089**	**90.76**
Stddev	.0001	.0002	.0007	.0008	.0014	.0001	.0012	.0028	.06
%RSD	86.60	14.90	43.69	207.5	70.81	1.351	4003.	31.49	.0685
#1	.0000	.0011	.0022	.0002	.0031	.0111	-.0008	.0109	90.80
#2	-.0001	.0013	.0011	-.0009	.0010	.0109	.0009	.0069	90.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.663**	**14.69**	**7.084**	**165.5**	**.0249**	**.0008**	**-.0030**	**6.052**	**.0018**
Stddev	.002	.02	.026	.9	.0006	.0003	.0005	.004	.0007
%RSD	.0634	.1083	.3726	.5514	2.447	34.43	15.19	.0680	38.62
#1	3.665	14.68	7.065	164.8	.0254	.0010	-.0027	6.049	.0013
#2	3.662	14.70	7.102	166.1	.0245	.0006	-.0033	6.055	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3727**	**.0005**	**-.0038**	**.0015**	**20.14**	**.0000**	**.0040**
Stddev	.0004	.0000	.0012	.0001	.10	.0008	.0006
%RSD	.1002	.9150	32.17	7.189	.5092	1517.	15.72
#1	.3724	.0005	-.0030	.0016	20.06	.0006	.0035
#2	.3729	.0005	-.0047	.0014	20.21	-.0005	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102270.**	**14712.**	**2029.1**	**6210.8**
Stddev	131.	36.	1.5	1.5
%RSD	.12814	.24583	.07471	.02383
#1	102360.	14738.	2028.0	6209.7
#2	102170.	14687.	2030.2	6211.8

Zoom In Zoom Out

Sample Name: jb68735-8 Acquired: 6/10/2014 19:33:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.234**	**.0001**	**.0000**	**.0101**	**.0013**	**.0006**	**1.392**	**.0188**	**.0000**
Stddev	.001	.0000	.0000	.0001	.0001	.0000	.000	.0002	.000
%RSD	.0598	75.64	51.47	1.021	9.281	1.238	.0253	.8431	507.5
#1	1.235	.0001	.0000	.0102	.0012	.0006	1.392	.0189	-.0001
#2	1.234	.0000	.0000	.0100	.0013	.0006	1.392	.0187	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0058**	**.0004**	**.0003**	**.0006**	**.0071**	**-.0004**	**.0152**	**18.09**
Stddev	.0005	.0002	.0005	.0007	.0004	.0015	.0009	.0020	.02
%RSD	641.4	3.472	129.7	223.0	73.94	20.56	235.3	13.10	.1329
#1	-.0004	.0056	.0007	-.0002	.0009	.0082	.0003	.0138	18.07
#2	.0003	.0059	.0000	.0008	.0003	.0061	-.0010	.0166	18.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.29**	**11.29**	**5.342**	**20.48**	**.0067**	**-.0006**	**-.0009**	**8.343**	**.0008**
Stddev	.04	.03	.011	.03	.0007	.0000	.0008	.003	.0001
%RSD	.3639	.2245	.2081	.1372	10.77	2.135	89.47	.0413	15.19
#1	12.26	11.31	5.350	20.46	.0062	-.0006	-.0003	8.340	.0009
#2	12.32	11.27	5.334	20.50	.0072	-.0006	-.0015	8.345	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1754**	**.0005**	**-.0078**	**-.0009**	**.1204**	**-.0004**	**.0256**
Stddev	.0002	.0000	.0009	.0000	.0012	.0001	.0006
%RSD	.1327	4.441	11.87	1.077	.9678	22.29	2.455
#1	.1752	.0005	-.0072	-.0009	.1196	-.0005	.0251
#2	.1756	.0005	-.0085	-.0009	.1212	-.0004	.0260

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108680.**	**14908.**	**2144.8**	**6851.4**
Stddev	2.	45.	.7	3.2
%RSD	.00156	.29881	.03407	.04598
#1	108680.	14940.	2145.3	6853.7
#2	108680.	14877.	2144.3	6849.2

Zoom In Zoom Out

Sample Name: jb68735-9 Acquired: 6/10/2014 19:39:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.108**	**.0001**	**.0010**	**.0361**	**.0030**	**.0020**	**4.526**	**.0258**	**.0000**
Stddev	.002	.0000	.0003	.0001	.0002	.0002	.026	.0000	.001
%RSD	.1561	18.34	25.73	.3822	7.325	9.555	.5778	.0520	1930.
#1	1.107	.0001	.0012	.0362	.0032	.0022	4.507	.0258	.0003
#2	1.109	.0001	.0008	.0360	.0029	.0019	4.544	.0258	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0196**	**.0024**	**-.0007**	**.0021**	**.0091**	**.0005**	**.5227**	**25.52**
Stddev	.0002	.0002	.0002	.0011	.0005	.0009	.0013	.0039	.08
%RSD	9.074	1.152	7.549	164.0	22.62	10.01	284.9	.7374	.3292
#1	.0020	.0197	.0026	-.0015	.0017	.0097	-.0005	.5199	25.46
#2	.0017	.0194	.0023	.0001	.0024	.0084	.0014	.5254	25.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.420**	**20.85**	**5.063**	**107.7**	**.0228**	**.0006**	**-.0015**	**3.667**	**.0000**
Stddev	.002	.06	.032	.1	.0001	.0003	.0002	.011	.0004
%RSD	.0452	.2876	.6222	.1222	.4395	44.57	10.47	.2955	6433.
#1	3.421	20.81	5.041	107.6	.0227	.0004	-.0014	3.675	-.0003
#2	3.419	20.89	5.085	107.8	.0229	.0008	-.0016	3.660	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2235**	**.0181**	**-.0090**	**.0001**	**1.890**	**.0003**	**.0021**
Stddev	.0004	.0004	.0000	.0001	.015	.0000	.0003
%RSD	.1733	2.307	.5374	187.7	.7993	7.889	15.31
#1	.2238	.0178	-.0091	.0002	1.901	.0003	.0018
#2	.2232	.0184	-.0090	.0000	1.879	.0003	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103440.**	**14562.**	**2056.3**	**6401.6**
Stddev	96.	67.	6.0	14.7
%RSD	.09298	.46286	.29351	.22900
#1	103510.	14610.	2052.0	6391.2
#2	103370.	14514.	2060.6	6411.9

Zoom In Zoom Out

Sample Name: jb68735-10 Acquired: 6/10/2014 19:46:04 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.398**	**.0011**	**.0002**	**.0247**	**.0014**	**.0005**	**2.305**	**.0289**	**-.0002**
Stddev	.001	.0000	.0003	.0001	.0002	.0000	.008	.0003	.0002
%RSD	.0429	3.195	137.3	.2139	11.04	8.046	.3359	1.028	126.8
#1	1.398	.0012	.0005	.0248	.0015	.0005	2.310	.0291	-.0003
#2	1.397	.0011	.0000	.0247	.0013	.0006	2.299	.0287	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0152**	**.0010**	**-.0019**	**.0000**	**.0072**	**.0003**	**.0631**	**21.21**
Stddev	.0001	.0000	.0002	.0004	.000	.0006	.0002	.0004	.03
%RSD	10.69	.3070	19.64	20.11	631.8	8.707	65.86	.6881	.1344
#1	.0007	.0152	.0009	-.0017	.0001	.0067	.0005	.0628	21.23
#2	.0006	.0153	.0011	-.0022	-.0002	.0076	.0002	.0634	21.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.669**	**15.26**	**4.254**	**81.93**	**.0191**	**-.0004**	**-.0019**	**8.404**	**.0011**
Stddev	.005	.08	.033	.00	.0014	.0000	.0007	.001	.0010
%RSD	.0712	.5063	.7670	.0035	7.158	11.28	33.80	.0105	84.84
#1	7.673	15.31	4.277	81.93	.0182	-.0005	-.0024	8.404	.0005
#2	7.665	15.20	4.231	81.92	.0201	-.0004	-.0015	8.403	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2065**	**.0015**	**-.0073**	**-.0006**	**2.240**	**-.0005**	**.0260**
Stddev	.0006	.0002	.0002	.0003	.005	.0004	.0001
%RSD	.2965	10.59	2.856	48.65	.2277	73.22	.4175
#1	.2069	.0016	-.0074	-.0004	2.237	-.0003	.0259
#2	.2061	.0014	-.0071	-.0008	2.244	-.0008	.0261

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105230.**	**14712.**	**2087.4**	**6544.5**
Stddev	272.	29.	1.2	.6
%RSD	.25879	.19980	.05921	.00991
#1	105040.	14691.	2086.5	6544.0
#2	105430.	14733.	2088.2	6545.0

Zoom In Zoom Out

Sample Name: jb68735-11 Acquired: 6/10/2014 19:52:16 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9381**	**.0007**	**.0008**	**.0427**	**.0022**	**.0027**	**1.298**	**.0373**	**.0000**
Stddev	.0008	.0001	.0001	.0003	.0003	.0002	.004	.0000	.000
%RSD	.0807	10.76	13.43	.6903	12.85	6.023	.3105	.0340	76.73
#1	.9386	.0007	.0008	.0425	.0020	.0025	1.301	.0373	.0000
#2	.9375	.0006	.0007	.0429	.0024	.0028	1.295	.0373	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0349**	**.0020**	**.0005**	**.0019**	**.0085**	**.0001**	**.3885**	**25.68**
Stddev	.0000	.0000	.0003	.0016	.0007	.0011	.0006	.0023	.07
%RSD	3.107	.0301	12.64	304.4	36.79	12.76	409.8	.5986	.2778
#1	.0015	.0349	.0022	-.0006	.0024	.0078	-.0003	.3902	25.63
#2	.0016	.0349	.0018	.0016	.0014	.0093	.0005	.3869	25.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.587**	**15.49**	**6.333**	**158.9**	**.0203**	**.0004**	**-.0019**	**6.517**	**.0012**
Stddev	.035	.08	.001	1.7	.0002	.0000	.0007	.007	.0001
%RSD	.4127	.5077	.0120	1.048	.9873	3.801	37.68	.1114	9.834
#1	8.562	15.43	6.334	157.7	.0204	.0004	-.0024	6.522	.0013
#2	8.612	15.54	6.333	160.1	.0202	.0004	-.0014	6.512	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1997**	**.0122**	**-.0106**	**-.0003**	**2.715**	**-.0006**	**.0137**
Stddev	.0005	.0001	.0001	.0000	.004	.0001	.0007
%RSD	.2412	.5328	.9607	14.10	.1321	8.964	5.453
#1	.1993	.0121	-.0107	-.0002	2.713	-.0005	.0132
#2	.2000	.0122	-.0106	-.0003	2.718	-.0006	.0142

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104300.**	**14846.**	**2064.3**	**6353.0**
Stddev	178.	17.	1.2	6.2
%RSD	.17074	.11180	.05942	.09803
#1	104180.	14857.	2065.1	6357.4
#2	104430.	14834.	2063.4	6348.6

Zoom In Zoom Out

Sample Name: jb68735-12 Acquired: 6/10/2014 19:58:33 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1330**	**.0004**	**.0035**	**.0169**	**.0026**	**.0086**	**1.175**	**.0305**	**.0001**
Stddev	.0007	.0000	.0001	.0000	.0003	.0000	.000	.0000	.0004
%RSD	.5128	8.866	2.482	.2141	10.77	.1791	.0146	.0454	317.2
#1	.1334	.0005	.0035	.0168	.0024	.0086	1.175	.0305	-.0001
#2	.1325	.0004	.0034	.0169	.0028	.0086	1.175	.0305	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0029**	**.0750**	**-.0001**	**-.0006**	**.0041**	**.0082**	**.0008**	**.2896**	**9.396**
Stddev	.0001	.0001	.0002	.0007	.0012	.0007	.0003	.0003	.029
%RSD	2.579	.1287	175.8	119.8	28.41	8.915	33.34	.0864	.3093
#1	.0030	.0750	-.0003	-.0011	.0032	.0077	.0006	.2894	9.376
#2	.0029	.0751	.0000	-.0001	.0049	.0087	.0010	.2898	9.417

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.369**	**5.587**	**2.432**	**32.14**	**.0050**	**.0001**	**-.0001**	**7.582**	**.0004**
Stddev	.004	.006	.009	.04	.0001	.0000	.0008	.002	.0002
%RSD	.3263	.1160	.3646	.1276	1.362	22.34	922.6	.0303	57.92
#1	1.372	5.583	2.426	32.17	.0050	.0001	-.0007	7.581	.0002
#2	1.366	5.592	2.438	32.11	.0049	.0002	.0005	7.584	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0617**	**.0088**	**-.0113**	**-.0004**	**5.116**	**.0000**	**.0194**
Stddev	.0002	.0001	.0006	.0000	.019	.000	.0014
%RSD	.3957	1.285	5.736	10.02	.3661	1111.	7.235
#1	.0615	.0089	-.0118	-.0004	5.129	-.0002	.0184
#2	.0618	.0088	-.0108	-.0004	5.103	.0002	.0204

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108370.**	**14862.**	**2128.4**	**6812.0**
Stddev	91.	10.	3.1	7.7
%RSD	.08360	.07047	.14733	.11262
#1	108440.	14855.	2130.7	6817.4
#2	108310.	14870.	2126.2	6806.6

Zoom In Zoom Out

Sample Name: jb68735-13 Acquired: 6/10/2014 20:04:45 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6167**	**.0007**	**.0006**	**.0114**	**.0225**	**.0134**	**6.246**	**.0174**	**-.0006**
Stddev	.0014	.0000	.0001	.0001	.0001	.0003	.021	.0000	.0002
%RSD	.2249	2.539	24.91	.5930	.3376	2.011	.3310	.2764	38.73
#1	.6177	.0007	.0007	.0114	.0224	.0132	6.261	.0174	-.0004
#2	.6157	.0006	.0005	.0113	.0225	.0136	6.232	.0175	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0215**	**.0704**	**.0065**	**-.0004**	**.0668**	**.0138**	**.0004**	**9.875**	**86.40**
Stddev	.0000	.0001	.0001	.0033	.0003	.0004	.0000	.021	.22
%RSD	.1718	.0857	1.052	746.1	.4346	3.258	1.414	.2088	.2548
#1	.0215	.0705	.0066	.0019	.0666	.0141	.0004	9.890	86.25
#2	.0215	.0704	.0065	-.0028	.0670	.0134	.0004	9.861	86.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**86.23**	**33.16**	**6.231**	**208.3**	**.0458**	**-.0034**	**-.0060**	**16.63**	**.0031**
Stddev	.30	.20	.030	.7	.0002	.0002	.0005	.00	.0011
%RSD	.3463	.6087	.4868	.3489	.3940	4.918	8.575	.0061	35.42
#1	86.02	33.02	6.209	207.8	.0457	-.0033	-.0064	16.64	.0038
#2	86.44	33.30	6.252	208.8	.0459	-.0035	-.0056	16.63	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4876**	**.1226**	**-.0063**	**.0003**	**6.530**	**.0006**	**.0093**
Stddev	.0008	.0000	.0011	.0000	.013	.0003	.0005
%RSD	.1562	.0023	16.91	7.414	.1960	58.54	5.310
#1	.4871	.1226	-.0071	.0002	6.539	.0008	.0097
#2	.4881	.1226	-.0056	.0003	6.521	.0003	.0090

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102400.**	**14673.**	**2022.8**	**6166.5**
Stddev	206.	41.	1.8	5.7
%RSD	.20158	.28008	.08968	.09192
#1	102250.	14702.	2021.5	6162.5
#2	102540.	14643.	2024.1	6170.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 20:11:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.002**	**2.012**	**2.011**	**2.035**	**1.944**	**2.039**	**2.032**	**.2414**
Stddev	.000	.004	.004	.003	.001	.007	.000	.002	.0003
%RSD	.0022	.1894	.2045	.1705	.0436	.3370	.0069	.1094	.1209
#1	2.020	2.005	2.009	2.008	2.036	1.940	2.039	2.030	.2412
#2	2.020	2.000	2.015	2.013	2.035	1.949	2.039	2.033	.2416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**2.042**	**1.992**	**2.070**	**2.031**	**2.009**	**1.991**	**38.99**	**40.41**
Stddev	.005	.002	.004	.006	.002	.004	.003	.13	.00
%RSD	.2614	.0733	.1796	.3165	.1024	.2231	.1369	.3435	.0042
#1	1.966	2.041	1.989	2.065	2.029	2.006	1.989	39.09	40.41
#2	1.973	2.043	1.994	2.074	2.032	2.012	1.993	38.90	40.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.30**	**39.33**	**40.30**	**39.91**	**2.018**	**2.023**	**1.963**	**4.964**	**2.054**
Stddev	.09	.04	.00	.04	.004	.006	.007	.012	.003
%RSD	.2400	.1126	.0011	.1125	.1751	.2812	.3798	.2314	.1472
#1	39.37	39.36	40.30	39.94	2.015	2.019	1.958	4.956	2.052
#2	39.24	39.30	40.30	39.88	2.020	2.027	1.968	4.972	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 20:11:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.081**	**2.002**	**1.846**	**2.007**	**1.945**	**2.000**	**2.033**
Stddev	.002	.002	.027	.000	.014	.008	.003
%RSD	.1083	.1164	1.443	.0186	.7027	.3850	.1647
#1	2.082	2.000	1.827	2.007	1.935	1.994	2.030
#2	2.079	2.003	1.865	2.008	1.954	2.005	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106360.**	**14633.**	**2099.7**	**6492.4**
Stddev	46.	56.	5.6	11.6
%RSD	.04285	.38316	.26487	.17814
#1	106390.	14593.	2103.6	6500.6
#2	106320.	14672.	2095.7	6484.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:17:11 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	F **.0008**	**.0008**	**.0005**	**.0002**	**.0004**	**.0009**	**.0000**
Stddev	.0000	.0001	.0002	.0005	.0003	.0003	.0000	.0001	.000
%RSD	13.46	26.93	23.34	54.25	49.72	176.6	10.59	14.80	1111.
#1	.0003	.0003	.0009	.0012	.0003	.0000	.0004	.0010	-.0003
#2	.0004	.0002	.0006	.0005	.0007	.0004	.0004	.0008	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0010**	**.0014**	**.0014**	**.0006**	**.0029**	**.0011**	**.0017**	**.0061**
Stddev	.0001	.0001	.0007	.0020	.0012	.0005	.0003	.0079	.0018
%RSD	18.64	5.773	47.64	134.8	199.6	18.03	24.60	467.7	29.80
#1	.0005	.0011	.0019	.0028	.0015	.0033	.0013	.0073	.0074
#2	.0006	.0010	.0009	.0001	-.0003	.0025	.0009	-.0039	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0072**	**.0189**	**.0320**	**.0287**	**.0008**	F **.0024**	**-.0006**	**.0024**	**.0009**
Stddev	.0036	.0265	.0118	.0031	.0005	.0004	.0000	.0011	.0006
%RSD	50.80	140.4	36.92	10.89	57.33	17.91	7.116	43.58	68.85
#1	.0046	.0001	.0236	.0265	.0012	.0027	-.0006	.0032	.0013
#2	.0097	.0376	.0403	.0309	.0005	.0021	-.0006	.0017	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:17:11 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	F **.0124**	F **.0012**	**.0024**	**.0006**	**.0008**
Stddev	.0001	.0000	.0026	.0000	.0012	.0000	.0002
%RSD	38.08	.3842	21.07	1.267	51.54	.0559	26.41
#1	.0002	.0005	.0143	.0012	.0032	.0006	.0009
#2	.0003	.0005	.0106	.0012	.0015	.0006	.0006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112230.**	**14792.**	**2178.8**	**7189.4**
Stddev	207.	105.	5.6	19.1
%RSD	.18402	.70866	.25592	.26579
#1	112080.	14866.	2182.8	7202.9
#2	112370.	14718.	2174.9	7175.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 20:23:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2091**	**.0023**	**.0034**	**.0511**	**.0111**	**.0105**	**.0165**	**.0108**	**.0049**
Stddev	.0001	.0001	.0002	.0003	.0001	.0000	.0000	.0000	.0000
%RSD	.0584	3.037	6.333	.5352	.5730	.2852	.1360	.3152	.3076
#1	.2090	.0023	.0032	.0509	.0111	.0105	.0165	.0108	.0049
#2	.2092	.0022	.0035	.0513	.0111	.0106	.0165	.0108	.0049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0532**	**.0235**	**.0092**	**.0076**	**.0036**	**.0112**	**.0057**	**.1960**	**5.060**
Stddev	.0003	.0000	.0012	.0010	.0000	.0019	.0010	.0042	.013
%RSD	.5156	.2051	12.85	13.02	1.001	17.27	18.07	2.128	.2589
#1	.0534	.0236	.0100	.0069	.0036	.0098	.0065	.1931	5.069
#2	.0530	.0235	.0084	.0083	.0036	.0125	.0050	.1990	5.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1094**	**5.164**	**5.287**	**5.084**	**.1055**	**.0217**	**.0595**	**.2205**	**.0106**
Stddev	.0005	.000	.003	.011	.0007	.0003	.0002	.0000	.0003
%RSD	.4338	.0011	.0479	.2227	.6186	1.375	.3377	.0008	2.760
#1	.1097	5.164	5.285	5.076	.1059	.0219	.0597	.2205	.0104
#2	.1090	5.164	5.288	5.092	.1050	.0215	.0594	.2205	.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: 6/10/2014 20:23:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0109**	**.0536**	**.0117**	**.0515**	**.0222**	**.0228**
Stddev	.0000	.0003	.0010	.0000	.0016	.0003	.0003
%RSD	.3686	2.456	1.839	.2600	3.166	1.232	1.247
#1	.0109	.0111	.0543	.0117	.0527	.0220	.0226
#2	.0108	.0107	.0529	.0117	.0504	.0224	.0230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109710.**	**14682.**	**2157.9**	**7008.0**
Stddev	259.	31.	2.9	4.6
%RSD	.23653	.21381	.13445	.06580
#1	109520.	14660.	2159.9	7004.8
#2	109890.	14704.	2155.8	7011.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 20:29:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0010**	**.0010**	**.0035**	**.0024**	**.0019**	**.0033**	**.0042**	**.0012**
Stddev	.0001	.0000	.0001	.0000	.0002	.0004	.0000	.0004	.0001
%RSD	1.604	.5928	11.51	.7507	6.957	20.86	.1076	8.412	11.21
#1	.0041	.0010	.0011	.0035	.0022	.0017	.0033	.0044	.0011
#2	.0042	.0010	.0009	.0034	.0025	.0022	.0033	.0039	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	F **.0134**	**.0036**	**.0025**	**.0032**	F **.0086**	F **.0015**	**.1001**	**1.054**
Stddev	.0001	.0000	.0009	.0009	.0003	.0013	.0005	.0117	.002
%RSD	2.568	.2823	24.97	35.99	8.531	14.90	35.28	11.69	.2095
#1	.0022	.0134	.0030	.0019	.0030	.0077	.0012	.1084	1.052
#2	.0021	.0135	.0042	.0032	.0034	.0095	.0019	.0918	1.055
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value		.0100				.0050	.0030		
Range		30.00%				30.00%	-30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0064**	**.1094**	**2.145**	**1.048**	**.0099**	**-.0002**	**-.0006**	**-.0019**	**.0001**
Stddev	.0016	.0011	.017	.006	.0006	.0001	.0001	.0001	.0000
%RSD	25.15	.9903	.7715	.5712	6.068	67.15	10.45	4.101	33.33
#1	.0053	.1087	2.133	1.044	.0104	-.0001	-.0006	-.0018	.0002
#2	.0075	.1102	2.157	1.052	.0095	-.0003	-.0007	-.0019	.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 20:29:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0075**	**-.0004**	**.0018**	**-.0001**	**.0006**
Stddev	.000	.0000	.0000	.0001	.0007	.0004	.0001
%RSD	121.7	8.221	.1184	29.10	38.94	604.3	22.39
#1	.0000	-.0003	-.0075	-.0004	.0013	-.0004	.0007
#2	-.0001	-.0003	-.0075	-.0003	.0023	.0002	.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	**111610.**	**14737.**	**2173.7**	**7146.2**
Stddev	249.	25.	1.0	5.7
%RSD	.22339	.17201	.04498	.07937
#1	111430.	14755.	2173.0	7142.2
#2	111790.	14719.	2174.4	7150.3

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 20:36:01 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0001**	**.0000**	**.0005**	**.0000**
Stddev	.0002	.0000	.000	.0002	.0000	.0001	.000	.0002	.000
%RSD	110.1	45.22	121.1	89.93	33.46	124.7	56.40	44.38	1244.
#1	.0000	.0000	-.0001	.0001	.0000	.0001	-.0001	.0006	-.0001
#2	.0003	-.0001	.0000	.0003	.0000	.0000	.0000	.0003	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0016**	**.0206**	**.0017**	**.0206**	**.0236**	**.0190**	**.4807**	**.0064**
Stddev	.0001	.0000	.0013	.0001	.0001	.0003	.0006	.0087	.0015
%RSD	79.01	1.515	6.439	6.356	.4543	1.461	3.015	1.804	22.73
#1	.0000	.0016	.0215	.0016	.0205	.0234	.0194	.4868	.0054
#2	.0001	.0017	.0196	.0018	.0206	.0238	.0186	.4745	.0074
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5131**	**.0000**	**.0194**	**.0046**	**-.0002**	**-.0004**	**-.0009**	**.0004**	**-.0005**
Stddev	.0018	.013	.0154	.0028	.0002	.0001	.0004	.0004	.0010
%RSD	.3419	293200.	79.13	60.56	87.53	14.49	45.92	83.73	207.6
#1	.5144	-.0093	.0303	.0026	-.0004	-.0004	-.0012	.0002	-.0012
#2	.5119	.0093	.0086	.0065	-.0001	-.0004	-.0006	.0007	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 20:36:01 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0087**	**-.0002**	**.0017**	**-.0001**	**.0006**
Stddev	.000	.0002	.0006	.0000	.0020	.0002	.0001
%RSD	151.8	227.9	7.393	7.011	116.6	170.0	12.46
#1	-.0001	-.0002	-.0082	-.0002	.0032	.0000	.0005
#2	.0000	.0001	-.0091	-.0002	.0003	-.0003	.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	**111530.**	**14680.**	**2201.1**	**7244.9**
Stddev	151.	12.	1.5	12.1
%RSD	.13512	.08439	.06730	.16708
#1	111420.	14671.	2200.1	7236.3
#2	111640.	14689.	2202.2	7253.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 20:42:20 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0001**	**.0012**	**.0030**	**-.0006**	**-.0017**	**-.0015**	**-.0005**	**-.0056**
Stddev	.0001	.0001	.0001	.0004	.0000	.0002	.0001	.0001	.0006
%RSD	10.29	131.2	4.801	15.21	1.155	9.387	7.904	18.21	10.53
#1	-.0006	.0000	.0013	.0033	-.0006	-.0016	-.0016	-.0005	-.0060
#2	-.0006	-.0001	.0012	.0026	-.0006	-.0018	-.0014	-.0006	-.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**-.0008**	**.0014**	**-.0023**	**-.0056**	**.0138**	**-.0003**	**489.4**	**378.8**
Stddev	.0000	.0002	.0009	.0073	.0003	.0016	.0018	3.7	2.0
%RSD	1.588	19.84	65.94	321.3	5.256	11.49	523.6	.7481	.5166
#1	-.0017	-.0007	.0007	.0029	-.0058	.0127	.0009	486.8	377.4
#2	-.0018	-.0009	.0020	-.0075	-.0054	.0149	-.0016	492.0	380.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**184.2**	**521.1**	**.0146**	**.0339**	**-.0124**	**-.0019**	**-.0167**	**-.0042**	**.0063**
Stddev	.1	.4	.0097	.0075	.0004	.0001	.0007	.0020	.0005
%RSD	.0276	.0812	66.38	22.01	2.993	4.129	4.381	47.22	8.112
#1	184.2	520.8	.0215	.0286	-.0127	-.0020	-.0162	-.0056	.0060
#2	184.2	521.4	.0078	.0392	-.0122	-.0019	-.0172	-.0028	.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 20:42:20 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0020**	**.0089**	**.0086**	**-.0411**	**.0015**	**.0056**
Stddev	.0001	.0001	.0008	.0001	.0038	.0005	.0004
%RSD	12.46	6.261	9.482	1.073	9.120	33.33	6.847
#1	-.0006	.0021	.0083	.0086	-.0438	.0012	.0054
#2	-.0005	.0019	.0095	.0087	-.0385	.0019	.0059
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	**95619.**	**13989.**	**1915.1**	**5739.8**
Stddev	80.	11.	2.7	2.6
%RSD	.08405	.07649	.14065	.04560
#1	95562.	13981.	1917.0	5741.7
#2	95676.	13996.	1913.2	5738.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 20:48:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5107**	**.4936**	**1.027**	**.4825**	**.4799**	**.5178**	**.5020**	**.9647**	**1.089**
Stddev	.0012	.0003	.002	.0005	.0028	.0025	.0022	.0016	.001
%RSD	.2403	.0578	.1496	.0960	.5805	.4917	.4398	.1631	.0831
#1	.5098	.4934	1.026	.4822	.4780	.5196	.5005	.9636	1.088
#2	.5116	.4938	1.028	.4829	.4819	.5160	.5036	.9658	1.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4660**	**.9565**	**1.081**	**.9604**	**.9408**	**1.085**	**1.037**	**492.9**	**376.9**
Stddev	.0005	.0012	.002	.0027	.0029	.001	.001	5.8	2.8
%RSD	.1130	.1220	.2171	.2805	.3118	.0846	.0457	1.184	.7433
#1	.4656	.9557	1.080	.9585	.9387	1.085	1.037	497.1	374.9
#2	.4664	.9573	1.083	.9623	.9429	1.086	1.037	488.8	378.9
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**	**517.8**	**-.0052**	**.0169**	**-.0132**	**.4918**	**.5650**	**-.0068**	**.0058**
Stddev	.0	.7	.0000	.0049	.0014	.0006	.0023	.0006	.0006
%RSD	.0200	.1403	.6699	29.18	10.35	.1260	.3992	8.727	10.33
#1	187.0	518.4	-.0052	.0134	-.0142	.4914	.5666	-.0064	.0062
#2	186.9	517.3	-.0053	.0203	-.0123	.4922	.5634	-.0072	.0054
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 20:48:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0058**	**.5704**	F **.0037**	**.4426**	**.5200**	**.5574**
Stddev	.0001	.0001	.0023	.0001	.0012	.0002	.0007
%RSD	22.68	2.536	.4059	3.918	.2756	.0431	.1275
#1	-.0005	.0057	.5721	.0038	.4435	.5202	.5579
#2	-.0006	.0059	.5688	.0036	.4418	.5198	.5569
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.5000			
Range				-20.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95427.**	**14028.**	**1907.4**	**5731.0**
Stddev	306.	56.	.7	2.5
%RSD	.32079	.40154	.03748	.04421
#1	95644.	13988.	1906.9	5732.8
#2	95211.	14068.	1907.9	5729.2

Zoom In Zoom Out

Sample Name: Znconf Acquired: 6/10/2014 20:54:58 Type: Unk
Method: Accutest1(v140) Mode: CONC 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**	**-.0041**	**.0004**	**.0000**	**-.0001**	**.0001**	**.0004**	**.0000**
Stddev	.0000	.0000	.0000	.0002	.000	.0003	.0001	.0001	.0003
%RSD	6.999	16.55	.2577	58.24	1626.	262.9	59.34	20.88	1414.
#1	.0003	-.0001	-.0041	.0002	-.0002	.0001	.0001	.0004	.0002
#2	.0002	-.0001	-.0041	.0005	.0002	-.0003	.0002	.0005	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**11.35**	**.0023**	**-.0006**	**.0005**	**-.0001**	**.0007**	**.0697**	**.0858**
Stddev	.0001	.13	.0008	.0001	.0008	.0001	.0005	.0135	.0172
%RSD	62.37	1.139	33.43	18.82	160.1	147.2	63.79	19.31	20.04
#1	.0003	11.26	.0018	-.0006	.0010	.0000	.0004	.0602	.0736
#2	.0001	11.44	.0029	-.0005	-.0001	-.0002	.0011	.0792	.0979

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0317**	**.0801**	**.0157**	**.0060**	**-.0004**	**.0000**	**-.0004**	**-.0021**	**-.0006**
Stddev	.0068	.0424	.0025	.0103	.0004	.0001	.0004	.0001	.0001
%RSD	21.61	52.90	15.92	173.2	96.13	956.1	115.1	4.258	17.03
#1	.0268	.0501	.0174	.0133	-.0001	.0001	-.0001	-.0021	-.0005
#2	.0365	.1100	.0139	-.0013	-.0006	-.0001	-.0006	-.0020	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**.0278**	**-.0003**	**.0025**	**.0001**	**-.0002**
Stddev	.0001	.0001	.0015	.0001	.0010	.0002	.0004
%RSD	93.44	2706.	5.495	38.70	41.83	253.8	234.1
#1	-.0001	.0001	.0267	-.0002	.0032	-.0001	.0001
#2	.0000	-.0001	.0289	-.0004	.0018	.0002	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112190.**	**14660.**	**2183.7**	**7199.8**
Stddev	58.	113.	21.6	58.5
%RSD	.05213	.77348	.98798	.81245
#1	112150.	14741.	2198.9	7241.2
#2	112240.	14580.	2168.4	7158.5

Zoom In Zoom Out

Sample Name: Moconf Acquired: 6/10/2014 21:01:15 Type: Unk
Method: Accutest1(v140) Mode: CONC 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**	**-.0007**	**.0008**	**.0003**	**.0013**	**.0015**	**-.0009**
Stddev	.0000	.0001	.0000	.0002	.0002	.0003	.0000	.0001	.0000
%RSD	3.487	65.54	1.365	29.01	27.38	109.1	1.669	6.280	.0625
#1	-.0001	.0001	.0002	-.0008	.0007	.0001	.0012	.0016	-.0009
#2	-.0001	.0002	.0002	-.0005	.0010	.0005	.0013	.0014	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0009**	**-.0001**	**.0046**	**-.0004**	**-.0009**	**.0041**	**-.0017**	**-.1137**	**.0410**
Stddev	.0002	.0002	.0007	.0023	.0003	.0009	.0003	.0024	.0059
%RSD	19.23	224.4	15.04	581.0	31.19	21.38	16.43	2.073	14.44
#1	-.0008	-.0002	.0051	-.0021	-.0011	.0035	-.0019	-.1121	.0368
#2	-.0010	.0000	.0041	.0013	-.0007	.0048	-.0015	-.1154	.0452

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0146**	**.0826**	**.0033**	**.0324**	**.0320**	**10.83**	**.0006**	**.0092**	**-.0008**
Stddev	.0027	.0077	.0151	.0038	.0011	.02	.0006	.0003	.0000
%RSD	18.38	9.377	463.9	11.76	3.335	.1449	101.4	2.927	1.735
#1	.0127	.0771	-.0074	.0351	.0312	10.81	.0002	.0090	-.0008
#2	.0165	.0880	.0140	.0297	.0327	10.84	.0010	.0094	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0007**	**-.0108**	**.0083**	**.0098**	**.0003**	**-.0004**
Stddev	.000	.0001	.0005	.0001	.0039	.0001	.0005
%RSD	165.9	15.12	4.962	.8384	39.95	34.20	120.1
#1	-.0001	-.0006	-.0104	.0082	.0125	.0004	-.0001
#2	.0000	-.0008	-.0112	.0083	.0070	.0002	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112400.**	**14529.**	**2182.8**	**7227.1**
Stddev	41.	187.	3.0	10.7
%RSD	.03631	1.2905	.13583	.14787
#1	112370.	14396.	2180.7	7219.5
#2	112420.	14661.	2184.9	7234.6

Zoom In Zoom Out

Sample Name: Sconf Acquired: 6/10/2014 21:07:31 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**-.0001**	**.0001**	**.0003**	**-.0002**	**.0000**	**.0001**	**.0000**
Stddev	.0000	.0000	.0001	.0001	.0001	.0003	.000	.0002	.000
%RSD	21.06	4.960	45.97	50.40	18.15	211.9	1093.	240.5	1145.
#1	.0002	-.0001	-.0002	.0002	.0004	-.0004	-.0001	.0002	-.0002
#2	.0003	-.0001	-.0001	.0001	.0003	.0001	.0000	-.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0023**	**-.0005**	**.0009**	**.0004**	**.0036**	**.0002**	**.0066**	**.0161**
Stddev	.0002	.0000	.0000	.0016	.0008	.0016	.0001	.0025	.0028
%RSD	44.49	.3976	5.975	179.7	187.5	45.60	34.57	37.45	17.31
#1	.0002	.0023	-.0005	.0021	-.0001	.0047	.0001	.0083	.0142
#2	.0004	.0023	-.0005	-.0002	.0009	.0024	.0002	.0048	.0181

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0053**	**.0211**	**.0224**	**-.0056**	**-.0013**	**.0057**	**-.0001**	**.0287**	**-.0010**
Stddev	.0005	.0118	.0408	.0017	.0009	.0012	.0005	.0002	.0008
%RSD	9.293	55.81	182.1	29.73	70.79	20.40	374.9	.7792	85.41
#1	.0049	.0128	-.0064	-.0044	-.0006	.0066	.0002	.0285	-.0016
#2	.0056	.0295	.0512	-.0067	-.0019	.0049	-.0005	.0288	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0141**	**.0019**	**24.16**	**.0003**	**.0003**
Stddev	.0000	.0002	.0004	.0000	.10	.0001	.0004
%RSD	13.94	304.6	2.680	.1825	.3966	30.99	126.9
#1	-.0001	.0001	-.0138	.0019	24.09	.0002	.0005
#2	-.0001	-.0002	-.0143	.0019	24.22	.0003	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**113310.**	**14687.**	**2192.2**	**7238.1**
Stddev	190.	5.	10.2	33.3
%RSD	.16769	.03625	.46679	.45946
#1	113450.	14691.	2199.5	7261.6
#2	113180.	14683.	2185.0	7214.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 21:13:48 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.009**	**2.050**	**2.048**	**2.037**	**1.982**	**2.057**	**2.076**	**.2432**
Stddev	.001	.005	.047	.044	.004	.003	.004	.043	.0008
%RSD	.0494	.2542	2.293	2.132	.1831	.1544	.1877	2.094	.3382
#1	2.042	2.006	2.016	2.017	2.035	1.980	2.054	2.045	.2438
#2	2.043	2.013	2.083	2.079	2.040	1.985	2.059	2.107	.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	**2.008**	**2.088**	**2.038**	**2.127**	**2.082**	**2.059**	**2.037**	**39.28**	**40.73**
Stddev	.006	.046	.048	.048	.044	.046	.049	.11	.16
%RSD	.2922	2.190	2.375	2.267	2.137	2.243	2.394	.2734	.3964
#1	2.004	2.055	2.004	2.093	2.051	2.027	2.002	39.21	40.61
#2	2.012	2.120	2.072	2.161	2.114	2.092	2.071	39.36	40.84
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	**39.42**	**39.60**	**40.80**	**40.42**	**2.055**	**2.078**	**1.976**	**5.077**	**2.098**
Stddev	.12	.09	.16	.14	.047	.050	.002	.127	.049
%RSD	.2924	.2242	.4025	.3543	2.261	2.406	.0872	2.506	2.343
#1	39.34	39.54	40.69	40.31	2.022	2.043	1.977	4.987	2.063
#2	39.50	39.67	40.92	40.52	2.088	2.113	1.974	5.167	2.133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 21:13:48 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.087**	**2.019**	**1.899**	**2.021**	**2.013**	**2.041**	**2.038**
Stddev	.000	.007	.078	.005	.045	.049	.001
%RSD	.0023	.3391	4.104	.2534	2.263	2.418	.0453
#1	2.087	2.014	1.844	2.018	1.981	2.006	2.039
#2	2.087	2.024	1.954	2.025	2.045	2.076	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105530.**	**14399.**	**2061.8**	**6367.4**
Stddev	225.	138.	42.9	123.6
%RSD	.21342	.96114	2.0826	1.9407
#1	105690.	14497.	2092.2	6454.8
#2	105380.	14301.	2031.4	6280.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 21:19:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0003**	**.0003**	**.0006**	**.0004**	**.0002**	**.0003**	**.0003**	**-.0003**
Stddev	.0000	.0000	.0000	.0003	.0002	.0002	.0000	.0002	.0005
%RSD	2.902	5.317	6.572	44.80	44.59	94.46	8.336	62.06	163.9
#1	.0005	.0003	.0003	.0004	.0003	.0001	.0003	.0004	-.0007
#2	.0005	.0003	.0003	.0008	.0005	.0003	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0013**	**.0015**	**.0003**	**-.0004**	**-.0002**	**-.0001**	**.0019**	**.0031**
Stddev	.0003	.0007	.0004	.0005	.0002	.0014	.0005	.0064	.0017
%RSD	63.56	56.75	28.96	194.7	68.54	822.8	405.3	330.8	53.23
#1	.0003	.0018	.0012	-.0001	-.0005	-.0011	.0002	-.0026	.0043
#2	.0007	.0008	.0018	.0006	-.0002	.0008	-.0004	.0065	.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0113**	**.0128**	**.0314**	**.0084**	**.0003**	F **.0028**	**.0003**	**.0007**	**-.0001**
Stddev	.0028	.0106	.0336	.0018	.0001	.0004	.0007	.0006	.0005
%RSD	25.03	83.10	107.0	21.75	41.61	14.54	229.0	86.76	490.2
#1	.0133	.0203	.0552	.0097	.0002	.0031	.0009	.0003	-.0004
#2	.0093	.0053	.0077	.0071	.0004	.0025	-.0002	.0011	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 21:19:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0004**	F **.0144**	F **.0011**	**.0010**	**.0001**	**.0012**
Stddev	.0001	.0003	.0025	.0000	.0007	.0003	.0000
%RSD	40.55	70.54	17.42	3.126	66.10	382.5	2.719
#1	.0004	.0002	.0162	.0011	.0015	.0003	.0012
#2	.0002	.0006	.0126	.0011	.0005	-.0002	.0011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111790.**	**14692.**	**2185.9**	**7188.3**
Stddev	10.	14.	5.8	8.9
%RSD	.00930	.09744	.26515	.12437
#1	111800.	14702.	2190.0	7194.7
#2	111780.	14682.	2181.8	7182.0

Zoom In Zoom Out

Sample Name: jb68735-14 Acquired: 6/10/2014 21:26:10 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2257**	**.0000**	**.0000**	**.0051**	**.0020**	**.0043**	**.9252**	**.0024**	**-.0002**
Stddev	.0004	.0000	.000	.0002	.0002	.0003	.0011	.0001	.0005
%RSD	.1742	18.01	1392.	4.457	11.21	7.626	.1203	4.875	209.8
#1	.2260	.0000	-.0001	.0049	.0018	.0040	.9260	.0023	-.0005
#2	.2254	.0000	.0001	.0052	.0021	.0045	.9245	.0025	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.1390**	**.0040**	**-.0014**	**.0047**	**.0024**	**.0002**	**.3563**	**6.998**
Stddev	.0001	.0002	.0002	.0004	.0007	.0037	.0002	.0132	.003
%RSD	6.401	.1592	5.181	31.32	15.14	157.8	75.67	3.717	.0387
#1	.0019	.1388	.0039	-.0017	.0042	.0050	.0003	.3656	7.000
#2	.0017	.1392	.0042	-.0011	.0052	-.0003	.0001	.3469	6.996

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**43.01**	**6.827**	**2.432**	**93.71**	**.0152**	**.0001**	**-.0020**	**2.392**	**.0011**
Stddev	.01	.034	.015	.20	.0006	.0002	.0000	.005	.0001
%RSD	.0258	.5002	.6245	.2118	3.772	169.8	.6384	.1962	7.968
#1	43.02	6.802	2.442	93.85	.0148	.0002	-.0020	2.395	.0010
#2	43.00	6.851	2.421	93.57	.0156	.0000	-.0020	2.388	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0485**	**.0120**	**.0117**	**.0017**	**1.162**	**-.0007**	**.0010**
Stddev	.0001	.0001	.0021	.0000	.003	.0001	.0013
%RSD	.1795	.6484	18.10	2.139	.2735	11.12	135.9
#1	.0485	.0120	.0132	.0016	1.164	-.0008	.0019
#2	.0484	.0119	.0102	.0017	1.160	-.0007	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106530.**	**14699.**	**2098.5**	**6602.3**
Stddev	100.	7.	3.1	4.8
%RSD	.09421	.05032	.14877	.07245
#1	106460.	14704.	2096.3	6599.0
#2	106600.	14694.	2100.7	6605.7

Zoom In Zoom Out

Sample Name: jb68735-1f Acquired: 6/10/2014 21:32:22 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0937**	**.0009**	**.0077**	**.0139**	**.0002**	**.0016**	**.5225**	**.0133**	**-.0003**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.0001	.0001	.0003
%RSD	.1458	2.463	1.750	.3489	73.75	5.880	.0271	.5525	113.5
#1	.0938	.0009	.0076	.0140	.0001	.0016	.5224	.0132	-.0001
#2	.0936	.0009	.0078	.0139	.0003	.0017	.5226	.0133	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0683**	**.0000**	**-.0015**	**.0004**	**.0051**	**.0010**	**.0796**	**5.276**
Stddev	.0001	.0001	.000	.0037	.0004	.0002	.0006	.0077	.006
%RSD	103.3	.1358	12200.	243.6	99.82	3.625	64.16	9.642	.1057
#1	.0000	.0682	.0002	.0011	.0001	.0052	.0005	.0742	5.280
#2	-.0002	.0684	-.0002	-.0042	.0006	.0049	.0014	.0850	5.273

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0155**	**4.032**	**2.109**	**13.59**	**.0072**	**.0010**	**-.0007**	**7.925**	**.0004**
Stddev	.0007	.034	.008	.01	.0004	.0001	.0003	.015	.0005
%RSD	4.500	.8454	.3666	.0767	6.052	6.258	38.09	.1879	129.8
#1	.0160	4.056	2.103	13.58	.0076	.0010	-.0009	7.935	.0008
#2	.0150	4.008	2.114	13.60	.0069	.0011	-.0005	7.914	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0433**	**.0019**	**.0068**	**.0012**	**6.273**	**-.0013**	**.0313**
Stddev	.0001	.0000	.0018	.0000	.006	.0014	.0003
%RSD	.2674	1.296	25.85	.9385	.0921	102.3	.8212
#1	.0434	.0019	.0081	.0012	6.277	-.0023	.0314
#2	.0432	.0019	.0056	.0012	6.269	-.0004	.0311

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109730.**	**14714.**	**2156.2**	**6993.4**
Stddev	147.	72.	3.6	9.8
%RSD	.13433	.48856	.16480	.14066
#1	109630.	14663.	2153.7	6986.5
#2	109840.	14765.	2158.7	7000.4

Zoom In Zoom Out

Sample Name: jb68735-9f Acquired: 6/10/2014 21:38:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.148**	**.0000**	**.0020**	**.0372**	**.0020**	**.0001**	**4.755**	**.0270**	**.0002**
Stddev	.001	.000	.0000	.0001	.0002	.0003	.011	.0001	.0000
%RSD	.0525	63.09	.7989	.2669	11.34	380.3	.2404	.4139	9.394
#1	1.148	.0000	.0020	.0373	.0018	.0003	4.747	.0269	.0002
#2	1.147	.0000	.0020	.0372	.0022	-.0001	4.763	.0271	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0231**	**.0012**	**-.0017**	**.0008**	**.0068**	**.0005**	**-.0019**	**28.41**
Stddev	.000	.0001	.0005	.0002	.0007	.0013	.0007	.0024	.10
%RSD	266.5	.2168	43.19	11.88	86.76	19.68	125.9	127.6	.3510
#1	-.0001	.0230	.0016	-.0018	.0003	.0059	.0010	-.0002	28.34
#2	.0000	.0231	.0009	-.0015	.0013	.0078	.0001	-.0036	28.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0301**	**22.16**	**5.616**	**114.2**	**.0243**	**.0010**	**-.0006**	**2.997**	**.0004**
Stddev	.0010	.11	.019	.2	.0000	.0000	.0007	.003	.0000
%RSD	3.362	.4966	.3381	.1376	.1107	1.456	119.3	.1144	11.42
#1	.0308	22.08	5.602	114.4	.0243	.0010	-.0001	2.995	.0004
#2	.0294	22.23	5.629	114.1	.0243	.0010	-.0011	3.000	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2474**	**.0004**	**.0007**	**.0006**	**2.726**	**-.0005**	**.0034**
Stddev	.0006	.0002	.0002	.0001	.020	.0015	.0004
%RSD	.2425	50.42	23.15	20.10	.7468	299.5	10.19
#1	.2470	.0003	.0006	.0007	2.711	.0005	.0037
#2	.2478	.0006	.0008	.0006	2.740	-.0015	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105190.**	**14577.**	**2068.3**	**6434.5**
Stddev	71.	54.	.6	2.3
%RSD	.06720	.37113	.02995	.03623
#1	105140.	14615.	2067.9	6436.1
#2	105240.	14538.	2068.7	6432.8

Zoom In Zoom Out

Sample Name: jb68735-11f Acquired: 6/10/2014 21:44:54 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8595**	**.0006**	**.0010**	**.0383**	**.0005**	**.0010**	**1.198**	**.0325**	**.0001**
Stddev	.0013	.0000	.0001	.0001	.0002	.0001	.001	.0002	.0000
%RSD	.1529	8.162	10.68	.2708	38.99	9.912	.0697	.6436	6.650
#1	.8605	.0006	.0009	.0382	.0006	.0009	1.199	.0324	.0001
#2	.8586	.0005	.0011	.0383	.0003	.0011	1.197	.0327	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0311**	**.0005**	**-.0018**	**.0008**	**.0086**	**.0010**	**-.0032**	**26.13**
Stddev	.000	.0004	.0003	.0013	.0003	.0011	.0005	.0026	.07
%RSD	1457.	1.439	56.20	70.23	43.29	12.50	48.15	79.11	.2777
#1	-.0001	.0308	.0003	-.0027	.0010	.0093	.0006	-.0014	26.08
#2	.0001	.0314	.0008	-.0009	.0005	.0078	.0013	-.0051	26.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.551**	**14.64**	**7.407**	**178.0**	**.0231**	**.0014**	**-.0021**	**5.918**	**.0014**
Stddev	.006	.00	.016	1.6	.0009	.0001	.0001	.004	.0000
%RSD	.1059	.0159	.2174	.8889	3.908	9.295	5.212	.0640	3.448
#1	5.547	14.65	7.395	176.9	.0238	.0015	-.0020	5.916	.0015
#2	5.556	14.64	7.418	179.1	.0225	.0013	-.0022	5.921	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1985**	**.0005**	**-.0010**	**.0007**	**3.342**	**-.0006**	**.0134**
Stddev	.0002	.0001	.0002	.0000	.002	.0000	.0008
%RSD	.0817	13.93	20.75	1.065	.0558	6.112	5.844
#1	.1986	.0004	-.0011	.0007	3.343	-.0006	.0128
#2	.1983	.0005	-.0008	.0007	3.340	-.0006	.0139

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103020.**	**14581.**	**2056.1**	**6313.2**
Stddev	107.	74.	1.9	.2
%RSD	.10421	.50455	.08998	.00337
#1	103100.	14633.	2057.4	6313.4
#2	102940.	14529.	2054.8	6313.1

Zoom In Zoom Out

Sample Name: jb68735-13f Acquired: 6/10/2014 21:51:13 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4646**	**-.0001**	**.0003**	**.0036**	**.0020**	**.0004**	**6.568**	**.0026**	**.0000**
Stddev	.0005	.0000	.0000	.0001	.0000	.0004	.008	.0002	.0003
%RSD	.1044	30.35	14.40	2.971	2.039	114.9	.1226	7.760	2110.
#1	.4650	.0000	.0003	.0035	.0020	.0001	6.574	.0025	.0002
#2	.4643	-.0001	.0004	.0037	.0020	.0007	6.563	.0027	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0014**	**.0007**	**-.0005**	**.0009**	**.0095**	**-.0001**	**.0086**	**101.4**
Stddev	.0001	.0000	.0006	.0008	.0004	.0037	.0000	.0048	.2
%RSD	16.83	2.485	80.91	153.6	47.69	38.52	14.23	55.48	.1612
#1	-.0004	.0014	.0003	-.0011	.0006	.0121	-.0002	.0120	101.2
#2	-.0005	.0013	.0012	.0000	.0012	.0069	-.0001	.0052	101.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.08**	**35.12**	**5.769**	**244.0**	**.0515**	**-.0006**	**-.0036**	**2.601**	**-.0008**
Stddev	.01	.02	.001	.6	.0004	.0000	.0001	.002	.0012
%RSD	.0296	.0446	.0211	.2259	.7291	.0682	2.830	.0830	156.5
#1	22.08	35.11	5.770	243.6	.0517	-.0006	-.0036	2.600	-.0016
#2	22.09	35.13	5.768	244.4	.0512	-.0006	-.0035	2.603	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5321**	**.0009**	**-.0033**	**.0006**	**8.565**	**.0009**	**.0053**
Stddev	.0004	.0001	.0002	.0001	.004	.0002	.0009
%RSD	.0817	8.335	6.255	22.01	.0435	26.88	16.92
#1	.5324	.0008	-.0032	.0005	8.568	.0007	.0059
#2	.5318	.0010	-.0035	.0007	8.562	.0010	.0046

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100170.**	**14449.**	**1982.7**	**6045.5**
Stddev	252.	53.	1.4	.8
%RSD	.25147	.36747	.07231	.01340
#1	99987.	14486.	1981.7	6046.1
#2	100340.	14411.	1983.7	6045.0

Zoom In Zoom Out

Sample Name: jb68735-14f Acquired: 6/10/2014 21:57:37 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2160**	**.0000**	**-.0001**	**.0046**	**.0001**	**-.0007**	**.9596**	**.0011**	**-.0006**
Stddev	.0002	.000	.0002	.0003	.0005	.0002	.0012	.0001	.0005
%RSD	.0991	15.88	390.2	6.157	389.9	30.04	.1295	12.95	91.66
#1	.2162	.0000	.0001	.0048	-.0002	-.0009	.9605	.0010	-.0010
#2	.2159	.0000	-.0002	.0044	.0005	-.0006	.9588	.0012	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0157**	**.0010**	**-.0005**	**.0028**	**.0030**	**.0004**	**-.0027**	**6.855**
Stddev	.000	.0001	.0006	.0003	.0002	.0015	.0006	.0029	.001
%RSD	6981.	.8354	57.09	61.74	6.925	49.15	148.6	107.7	.0161
#1	.0001	.0156	.0006	-.0003	.0026	.0019	.0000	-.0047	6.855
#2	-.0001	.0158	.0014	-.0007	.0029	.0040	.0008	-.0006	6.856

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.33**	**6.704**	**2.606**	**102.4**	**.0159**	**-.0014**	**-.0014**	**1.853**	**.0004**
Stddev	.04	.006	.012	.2	.0004	.0001	.0008	.001	.0009
%RSD	.1185	.0830	.4557	.1632	2.235	10.76	59.45	.0501	237.4
#1	35.36	6.708	2.615	102.5	.0156	-.0013	-.0008	1.853	-.0003
#2	35.30	6.701	2.598	102.2	.0161	-.0015	-.0020	1.854	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0493**	**.0002**	**-.0044**	**-.0004**	**1.306**	**.0004**	**.0016**
Stddev	.0000	.0001	.0007	.0000	.002	.0007	.0001
%RSD	.0048	97.69	15.39	12.30	.1524	190.9	5.214
#1	.0493	.0000	-.0039	-.0003	1.304	-.0001	.0017
#2	.0493	.0003	-.0049	-.0004	1.307	.0008	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105470.**	**14679.**	**2092.1**	**6568.4**
Stddev	107.	29.	.2	3.4
%RSD	.10144	.19543	.00843	.05184
#1	105400.	14659.	2092.3	6566.0
#2	105550.	14700.	2092.0	6570.8

Zoom In Zoom Out

Sample Name: mp79946-s1 2 Acquired: 6/10/2014 22:03:48 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.002**	**.0989**	**.0924**	**.9578**	**.4388**	**.5780**	**2.465**	**1.005**	**.0960**
Stddev	.006	.0002	.0002	.0006	.0005	.0003	.006	.000	.0001
%RSD	.1497	.1624	.2510	.0654	.1156	.0532	.2499	.0024	.1004
#1	4.007	.0988	.0923	.9574	.4391	.5778	2.470	1.005	.0960
#2	3.998	.0990	.0926	.9582	.4384	.5782	2.461	1.005	.0961

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9835**	**1.323**	**3.777**	**4.107**	**1.287**	**4.048**	**.8556**	**80.78**	**19.45**
Stddev	.0016	.001	.001	.005	.004	.006	.0008	.03	.09
%RSD	.1635	.0632	.0164	.1148	.3318	.1400	.0940	.0347	.4800
#1	.9846	1.322	3.777	4.104	1.284	4.044	.8550	80.76	19.39
#2	.9823	1.323	3.776	4.110	1.290	4.052	.8562	80.80	19.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**106.5**	**23.49**	**18.08**	**12.55**	**.9394**	**.9335**	**.9102**	**4.578**	**.9414**
Stddev	.3	.17	.00	.00	.0001	.0015	.0036	.006	.0009
%RSD	.3121	.7144	.0264	.0208	.0155	.1637	.3910	.1421	.0963
#1	106.3	23.37	18.08	12.55	.9395	.9324	.9077	4.583	.9408
#2	106.7	23.61	18.08	12.55	.9393	.9346	.9127	4.574	.9420

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.002**	**1.925**	**-.0002**	**.0383**	**.0635**	**-.0034**	**.0508**
Stddev	.001	.002	.0011	.0003	.0007	.0003	.0005
%RSD	.1198	.0918	626.6	.8746	1.095	10.23	.8885
#1	1.001	1.927	.0006	.0385	.0630	-.0032	.0505
#2	1.003	1.924	-.0010	.0380	.0640	-.0037	.0512

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108500.**	**14845.**	**2158.9**	**6687.0**
Stddev	335.	104.	.3	.7
%RSD	.30910	.69951	.01263	.01014
#1	108260.	14919.	2158.7	6686.5
#2	108730.	14772.	2159.1	6687.5

Zoom In Zoom Out

Sample Name: mp79946-s2 Acquired: 6/10/2014 22:09:50 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.034**	**.0992**	**.0927**	**.9606**	**.4413**	**.6023**	**2.710**	**1.007**	**.0958**
Stddev	.005	.0003	.0001	.0012	.0012	.0018	.005	.002	.0005
%RSD	.1312	.2926	.0765	.1247	.2641	.3016	.1874	.1575	.5189
#1	4.030	.0994	.0927	.9598	.4404	.6036	2.706	1.006	.0962
#2	4.038	.0990	.0928	.9615	.4421	.6010	2.713	1.008	.0955

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.002**	**1.383**	**3.769**	**4.105**	**1.341**	**4.040**	**.8582**	**81.29**	**18.15**
Stddev	.001	.001	.004	.020	.001	.006	.0003	.03	.02
%RSD	.0808	.0418	.1165	.4866	.0766	.1472	.0337	.0342	.0861
#1	1.001	1.383	3.766	4.091	1.341	4.036	.8584	81.27	18.14
#2	1.002	1.383	3.772	4.119	1.340	4.044	.8580	81.31	18.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**106.1**	**23.73**	**17.67**	**12.57**	**.9343**	**.9326**	**.9146**	**4.797**	**.9352**
Stddev	.1	.04	.04	.02	.0031	.0015	.0003	.010	.0023
%RSD	.1071	.1868	.2278	.1242	.3330	.1611	.0354	.2144	.2465
#1	106.2	23.76	17.65	12.56	.9321	.9315	.9148	4.789	.9336
#2	106.0	23.70	17.70	12.58	.9365	.9336	.9144	4.804	.9368

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9942**	**1.925**	**-.0002**	**.0358**	**.0441**	**-.0044**	**.0498**
Stddev	.0010	.001	.0004	.0001	.0016	.0001	.0007
%RSD	.0966	.0272	216.4	.2550	3.703	1.548	1.502
#1	.9948	1.926	.0001	.0359	.0452	-.0043	.0493
#2	.9935	1.925	-.0004	.0358	.0429	-.0044	.0503

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108280.**	**14847.**	**2170.8**	**6709.3**
Stddev	181.	57.	1.9	.6
%RSD	.16674	.38721	.08772	.00833
#1	108410.	14806.	2172.1	6709.7
#2	108150.	14887.	2169.4	6708.9

Zoom In Zoom Out

Sample Name: jb68291-1 Acquired: 6/10/2014 22:15:53 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1836**	**.0018**	**.0017**	**.0207**	**.0495**	**.1257**	**1.416**	**.0480**	**-.0003**
Stddev	.0006	.0000	.0001	.0002	.0005	.0004	.001	.0000	.0000
%RSD	.3412	2.567	3.482	1.037	1.100	.2850	.0466	.0281	4.836
#1	.1841	.0018	.0017	.0206	.0499	.1254	1.417	.0480	-.0003
#2	.1832	.0017	.0018	.0209	.0491	.1259	1.416	.0480	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0709**	**.3431**	**.0112**	**-.0024**	**.3176**	**.0047**	**.0015**	**24.39**	**15.48**
Stddev	.0005	.0006	.0005	.0023	.0003	.0013	.0001	.04	.04
%RSD	.6642	.1875	4.073	98.32	.0957	26.90	6.080	.1462	.2694
#1	.0706	.3426	.0109	-.0007	.3173	.0056	.0015	24.42	15.45
#2	.0713	.3435	.0115	-.0040	.3178	.0038	.0014	24.37	15.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**59.14**	**10.83**	**4.804**	**.3454**	**.0223**	**-.0018**	**-.0060**	**3.203**	**.0162**
Stddev	.10	.03	.012	.0073	.0000	.0004	.0011	.011	.0006
%RSD	.1662	.2341	.2443	2.116	.0759	21.25	17.75	.3520	3.923
#1	59.07	10.82	4.813	.3506	.0223	-.0015	-.0052	3.195	.0167
#2	59.21	10.85	4.796	.3402	.0223	-.0020	-.0067	3.211	.0158

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0342**	**.9214**	**-.0075**	**.0215**	**.0415**	**-.0030**	**.0455**
Stddev	.0002	.0026	.0005	.0001	.0002	.0002	.0007
%RSD	.4571	.2823	6.682	.5236	.4419	6.849	1.637
#1	.0340	.9232	-.0072	.0214	.0414	-.0029	.0461
#2	.0343	.9196	-.0079	.0216	.0416	-.0031	.0450

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111480.**	**14883.**	**2198.7**	**6923.3**
Stddev	289.	59.	2.0	4.0
%RSD	.25954	.39317	.09012	.05785
#1	111270.	14924.	2200.1	6926.1
#2	111680.	14841.	2197.3	6920.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 22:22:05 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.019**	**2.017**	**2.026**	**2.042**	**2.009**	**2.079**	**2.049**	**.2439**
Stddev	.003	.002	.003	.004	.003	.002	.001	.004	.0006
%RSD	.1624	.1099	.1442	.1992	.1348	.0993	.0421	.1878	.2514
#1	2.040	2.021	2.015	2.024	2.044	2.008	2.078	2.046	.2434
#2	2.045	2.017	2.019	2.029	2.040	2.011	2.079	2.052	.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	**2.040**	**2.057**	**2.002**	**2.122**	**2.052**	**2.031**	**2.007**	**39.92**	**40.21**
Stddev	.005	.000	.004	.005	.003	.001	.008	.03	.17
%RSD	.2615	.0081	.2227	.2534	.1318	.0575	.3849	.0819	.4168
#1	2.036	2.057	1.999	2.126	2.050	2.032	2.002	39.90	40.33
#2	2.044	2.057	2.005	2.118	2.054	2.031	2.013	39.94	40.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.15**	**39.21**	**41.08**	**40.82**	**2.025**	**2.042**	**2.001**	**5.007**	**2.062**
Stddev	.13	.19	.00	.05	.007	.005	.003	.008	.001
%RSD	.3216	.4878	.0107	.1223	.3351	.2642	.1313	.1681	.0443
#1	39.24	39.34	41.09	40.78	2.020	2.038	2.003	5.001	2.061
#2	39.06	39.07	41.08	40.85	2.030	2.046	1.999	5.013	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 22:22:05 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**2.037**	**1.868**	**2.015**	**1.986**	**2.013**	**2.040**
Stddev	.000	.002	.026	.001	.003	.004	.001
%RSD	.0134	.0810	1.400	.0456	.1354	.1772	.0541
#1	2.069	2.036	1.850	2.015	1.984	2.010	2.040
#2	2.069	2.038	1.887	2.016	1.987	2.016	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104800.**	**14421.**	**2101.0**	**6460.9**
Stddev	48.	57.	2.4	14.6
%RSD	.04539	.39455	.11485	.22665
#1	104760.	14381.	2102.7	6471.3
#2	104830.	14461.	2099.3	6450.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 22:28:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0003**	**.0005**	**.0005**	**.0002**	**.0004**	**.0003**	**.0002**
Stddev	.0000	.0001	.0003	.0002	.0002	.0003	.0000	.0000	.0002
%RSD	.1372	72.29	109.1	37.67	32.99	126.3	6.872	12.09	104.0
#1	.0004	.0001	.0004	.0007	.0004	.0000	.0004	.0004	.0000
#2	.0004	.0002	.0001	.0004	.0006	.0005	.0004	.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**.0008**	**.0011**	**-.0004**	**.0005**	**.0005**	**.0093**	**-.0014**
Stddev	.0001	.0001	.0010	.0007	.0010	.0017	.0009	.0016	.0001
%RSD	20.02	28.88	128.1	65.11	247.0	332.6	185.9	16.89	8.514
#1	.0005	.0005	.0015	.0016	.0003	.0018	.0011	.0104	-.0015
#2	.0006	.0003	.0001	.0006	-.0011	-.0007	-.0001	.0082	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0065**	**.0250**	**.0357**	**.0130**	**.0007**	**.0018**	**.0003**	**.0032**	**-.0002**
Stddev	.0018	.0112	.0120	.0016	.0009	.0005	.0006	.0012	.0002
%RSD	28.30	44.78	33.64	12.50	115.3	29.84	193.7	39.17	75.90
#1	.0052	.0171	.0272	.0118	.0013	.0021	.0008	.0041	-.0004
#2	.0078	.0330	.0442	.0141	.0001	.0014	-.0001	.0023	-.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: 6/10/2014 22:28:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	**.0098**	**.0010**	**.0007**	**.0006**	**.0008**
Stddev	.0001	.0004	.0017	.0001	.0008	.0003	.0003
%RSD	39.70	65.22	17.21	8.017	118.9	52.55	39.63
#1	.0002	.0003	.0110	.0010	.0001	.0004	.0010
#2	.0003	.0008	.0086	.0009	.0013	.0008	.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	**111330.**	**14700.**	**2204.0**	**7223.2**
Stddev	295.	22.	4.9	3.2
%RSD	.26513	.15286	.22188	.04465
#1	111540.	14684.	2207.5	7225.5
#2	111120.	14716.	2200.6	7220.9

Zoom In Zoom Out

Sample Name: mp79946-sd1 Acquired: 6/10/2014 22:34:27 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1878**	**.0017**	**.0031**	**.0230**	**.0519**	**.1278**	**1.471**	**.0497**	**-.0014**
Stddev	.0005	.0001	.0010	.0004	.0004	.0014	.002	.0002	.0012
%RSD	.2774	3.685	32.14	1.612	.8150	1.075	.1500	.3049	80.80
#1	.1882	.0017	.0024	.0227	.0516	.1288	1.469	.0498	-.0022
#2	.1875	.0017	.0038	.0232	.0522	.1269	1.473	.0496	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0729**	**.3600**	**.0214**	**.0072**	**.3234**	**.0149**	**.0008**	**24.94**	**15.89**
Stddev	.0004	.0018	.0016	.0069	.0074	.0019	.0017	.01	.03
%RSD	.5138	.4929	7.575	96.00	2.293	12.88	211.4	.0314	.1880
#1	.0727	.3587	.0202	.0023	.3182	.0135	-.0004	24.94	15.91
#2	.0732	.3612	.0225	.0120	.3287	.0163	.0020	24.93	15.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**61.00**	**11.10**	**4.839**	**.3543**	**.0217**	**.0011**	**-.0049**	**3.322**	**.0217**
Stddev	.05	.01	.006	.0119	.0021	.0004	.0036	.005	.0011
%RSD	.0744	.0454	.1221	3.352	9.715	34.10	74.32	.1497	4.921
#1	60.97	11.10	4.835	.3459	.0232	.0008	-.0023	3.318	.0209
#2	61.04	11.11	4.844	.3627	.0202	.0014	-.0075	3.325	.0225

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0346**	**.9411**	**.0106**	**.0196**	**.0584**	**.0008**	**.0464**
Stddev	.0001	.0010	.0075	.0001	.0034	.0007	.0016
%RSD	.4058	.1054	71.41	.6711	5.742	79.33	3.401
#1	.0345	.9404	.0159	.0197	.0561	.0013	.0453
#2	.0347	.9418	.0052	.0195	.0608	.0004	.0475

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111770.**	**14796.**	**2196.8**	**7113.7**
Stddev	33.	44.	4.5	3.1
%RSD	.02912	.29809	.20460	.04326
#1	111750.	14827.	2199.9	7115.9
#2	111790.	14765.	2193.6	7111.6

Zoom In Zoom Out

Sample Name: jb68291-2 Acquired: 6/10/2014 22:40:39 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2074**	**.0023**	**-.0001**	**.0294**	**.0577**	**.0704**	**1.935**	**.0565**	**-.0007**
Stddev	.0064	.0001	.0001	.0002	.0002	.0003	.004	.0004	.0007
%RSD	3.071	3.651	67.23	.7364	.3883	.4663	.2190	.6920	96.19
#1	.2029	.0022	-.0002	.0292	.0578	.0702	1.932	.0568	-.0012
#2	.2119	.0023	-.0001	.0295	.0575	.0706	1.938	.0562	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0824**	**.1565**	**.0124**	**-.0019**	**.0916**	**.0034**	**.0008**	**31.74**	**4.543**
Stddev	.0004	.0004	.0002	.0002	.0018	.0012	.0001	.95	.124
%RSD	.5176	.2500	2.005	10.16	1.942	36.24	10.24	3.003	2.732
#1	.0827	.1562	.0123	-.0021	.0904	.0025	.0009	31.07	4.456
#2	.0821	.1568	.0126	-.0018	.0929	.0043	.0008	32.42	4.631

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**69.66**	**11.96**	**5.773**	**2.543**	**.0271**	**-.0023**	**-.0076**	**3.851**	**.0147**
Stddev	2.14	.32	.177	.077	.0011	.0001	.0014	.014	.0006
%RSD	3.072	2.684	3.061	3.018	4.117	6.028	18.50	.3541	4.295
#1	68.15	11.73	5.648	2.489	.0263	-.0022	-.0066	3.841	.0142
#2	71.17	12.19	5.898	2.598	.0279	-.0024	-.0086	3.860	.0151

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0518**	**1.230**	**-.0049**	**.0236**	**.0571**	**-.0029**	**.0545**
Stddev	.0016	.003	.0010	.0002	.0026	.0004	.0002
%RSD	3.170	.2066	19.89	.8510	4.466	15.05	.4103
#1	.0506	1.228	-.0042	.0234	.0553	-.0026	.0543
#2	.0530	1.231	-.0056	.0237	.0590	-.0032	.0546

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110390.**	**15191.**	**2203.7**	**6878.5**
Stddev	18.	375.	10.4	23.4
%RSD	.01642	2.4652	.47140	.34022
#1	110380.	15456.	2211.1	6895.0
#2	110410.	14927.	2196.4	6861.9

Zoom In Zoom Out

Sample Name: jb68291-3 Acquired: 6/10/2014 22:46:48 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.907**	**.0049**	**.0282**	**.0678**	**.1720**	**2.570**	**4.392**	**.3562**	**.0094**
Stddev	.001	.0000	.0001	.0004	.0004	.005	.018	.0010	.0003
%RSD	.0632	.7733	.2517	.5247	.2613	.1850	.4124	.2789	2.860
#1	1.907	.0049	.0281	.0676	.1724	2.566	4.405	.3555	.0092
#2	1.906	.0049	.0282	.0681	.1717	2.573	4.379	.3569	.0096

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2445**	**4.056**	**.0948**	**-.0017**	**5.622**	**.0138**	**.0351**	**63.85**	**50.45**
Stddev	.0005	.004	.0005	.0002	.002	.0003	.0001	.05	.11
%RSD	.2078	.1068	.4796	10.31	.0385	2.021	.2998	.0718	.2190
#1	.2449	4.053	.0944	-.0015	5.620	.0136	.0350	63.88	50.37
#2	.2442	4.060	.0951	-.0018	5.623	.0140	.0352	63.82	50.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**173.1**	**17.89**	**7.283**	**4.796**	**.0694**	**.0008**	**-.0160**	**3.311**	**.4106**
Stddev	.3	.03	.009	.001	.0000	.0001	.0003	.001	.0007
%RSD	.1589	.1796	.1294	.0254	.0558	11.84	1.981	.0239	.1770
#1	172.9	17.87	7.290	4.795	.0694	.0008	-.0162	3.311	.4101
#2	173.3	17.91	7.277	4.796	.0694	.0007	-.0158	3.310	.4112

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4933**	**3.678**	**.0229**	**.0603**	**1.576**	**-.0031**	**.0829**
Stddev	.0004	.003	.0012	.0006	.001	.0007	.0007
%RSD	.0797	.0916	5.206	.9774	.0893	21.07	.8349
#1	.4930	3.680	.0221	.0608	1.575	-.0036	.0824
#2	.4936	3.676	.0237	.0599	1.577	-.0027	.0834

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109000.**	**15020.**	**2169.6**	**6739.5**
Stddev	201.	24.	.4	4.7
%RSD	.18472	.15772	.02015	.06949
#1	108850.	15036.	2169.2	6736.2
#2	109140.	15003.	2169.9	6742.9

Zoom In Zoom Out

Sample Name: jb68291-4 Acquired: 6/10/2014 22:52:57 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5295**	**.0043**	**.0011**	**.0532**	**.1155**	**.4343**	**1.831**	**.1122**	**-.0004**
Stddev	.0001	.0000	.0001	.0002	.0002	.0019	.001	.0002	.0001
%RSD	.0234	.1478	9.037	.3890	.1307	.4318	.0460	.2135	20.38
#1	.5294	.0043	.0010	.0534	.1154	.4329	1.831	.1120	-.0004
#2	.5296	.0043	.0012	.0531	.1156	.4356	1.832	.1123	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1922**	**.8821**	**.0324**	**-.0024**	**1.672**	**.0054**	**.0049**	**55.26**	**68.48**
Stddev	.0004	.0000	.0007	.0009	.001	.0014	.0017	.09	.05
%RSD	.2237	.0016	2.184	35.02	.0285	25.64	34.45	.1661	.0677
#1	.1919	.8821	.0319	-.0030	1.673	.0064	.0037	55.20	68.51
#2	.1925	.8821	.0329	-.0018	1.672	.0044	.0062	55.33	68.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**141.9**	**29.11**	**7.509**	**7.504**	**.0554**	**-.0032**	**-.0167**	**3.333**	**.0777**
Stddev	.3	.02	.021	.024	.0000	.0002	.0001	.004	.0006
%RSD	.1842	.0752	.2784	.3212	.0506	5.209	.7582	.1076	.7801
#1	141.7	29.09	7.494	7.487	.0554	-.0033	-.0166	3.335	.0782
#2	142.0	29.12	7.523	7.521	.0555	-.0031	-.0168	3.330	.0773

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2858**	**3.410**	**.0038**	**.0474**	**2.479**	**-.0078**	**.0979**
Stddev	.0004	.001	.0007	.0000	.004	.0004	.0002
%RSD	.1279	.0390	18.34	.0765	.1760	5.409	.1820
#1	.2856	3.409	.0043	.0474	2.482	-.0081	.0980
#2	.2861	3.411	.0033	.0474	2.476	-.0075	.0978

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111650.**	**15379.**	**2215.8**	**6632.0**
Stddev	249.	28.	1.3	7.3
%RSD	.22265	.18300	.05768	.11048
#1	111830.	15399.	2216.7	6637.2
#2	111470.	15359.	2214.9	6626.8

Zoom In Zoom Out

Sample Name: jb68334-1 Acquired: 6/10/2014 22:59:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9045**	**.0052**	**.0283**	**.0636**	**.3893**	**.6828**	**3.369**	**1.607**	**-.0035**
Stddev	.0001	.0000	.0009	.0021	.0006	.0018	.003	.048	.0002
%RSD	.0162	.1853	3.253	3.326	.1556	.2577	.0963	3.005	5.139
#1	.9046	.0052	.0289	.0651	.3897	.6840	3.371	1.641	-.0033
#2	.9044	.0052	.0276	.0621	.3888	.6815	3.366	1.573	-.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4504**	**3.320**	**.0406**	**-.0116**	**2.876**	**.0053**	**.0093**	**73.10**	**326.6**
Stddev	.0001	.103	.0001	.0036	.088	.0003	.0000	.00	1.5
%RSD	.0203	3.093	.3125	30.78	3.051	6.456	.1450	.0022	.4486
#1	.4505	3.393	.0407	-.0141	2.938	.0050	.0093	73.10	325.6
#2	.4503	3.247	.0405	-.0091	2.814	.0055	.0093	73.10	327.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**175.7**	**183.4**	**17.38**	**7.565**	**.0911**	**.0132**	**-.0233**	**2.734**	**.0450**
Stddev	.1	.7	.00	.003	.0028	.0008	.0004	.113	.0005
%RSD	.0329	.3881	.0126	.0395	3.035	6.151	1.932	4.132	1.171
#1	175.7	182.9	17.38	7.567	.0931	.0138	-.0236	2.814	.0447
#2	175.8	183.9	17.38	7.563	.0892	.0126	-.0230	2.654	.0454

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7706**	**3.893**	**.0197**	**.0355**	**6.267**	**-.0011**	**.1148**
Stddev	.0013	.004	.0009	.0002	.198	.0003	.0004
%RSD	.1624	.0992	4.762	.5158	3.151	26.54	.3847
#1	.7714	3.895	.0204	.0354	6.407	-.0009	.1151
#2	.7697	3.890	.0190	.0357	6.127	-.0013	.1145

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102930.**	**14721.**	**2024.8**	**6030.2**
Stddev	63.	39.	52.3	152.2
%RSD	.06092	.26519	2.5818	2.5236
#1	102890.	14749.	1987.8	5922.6
#2	102970.	14694.	2061.8	6137.8

Zoom In Zoom Out

Sample Name: jb68350-1 Acquired: 6/10/2014 23:05:14 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8982**	**.0046**	**.0038**	**.0607**	**.1585**	**.4290**	**2.830**	**.1496**	**-.0015**
Stddev	.0005	.0000	.0001	.0005	.0005	.0012	.007	.0003	.0003
%RSD	.0602	.5777	2.926	.7880	.3394	.2749	.2612	.1921	20.59
#1	.8985	.0045	.0039	.0603	.1589	.4298	2.835	.1498	-.0018
#2	.8978	.0046	.0037	.0610	.1582	.4281	2.825	.1494	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2330**	**.9584**	**.0985**	**-.0086**	**1.187**	**.0123**	**.0018**	**73.07**	**422.7**
Stddev	.0007	.0020	.0008	.0070	.001	.0002	.0016	.04	1.2
%RSD	.2868	.2076	.8139	81.26	.0677	1.609	88.95	.0496	.2844
#1	.2335	.9598	.0979	-.0037	1.186	.0122	.0030	73.09	421.8
#2	.2326	.9570	.0990	-.0136	1.187	.0125	.0007	73.04	423.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**134.9**	**125.3**	**12.47**	**3.504**	**.0311**	**.0003**	**-.0231**	**3.916**	**.0498**
Stddev	.2	.1	.01	.004	.0006	.0001	.0008	.002	.0001
%RSD	.1676	.1143	.1144	.1137	1.944	31.86	3.585	.0464	.1028
#1	134.7	125.2	12.46	3.507	.0307	.0002	-.0226	3.917	.0499
#2	135.1	125.4	12.48	3.501	.0315	.0004	-.0237	3.915	.0498

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5744**	**3.058**	**-.0006**	**.0300**	**3.704**	**-.0015**	**.1108**
Stddev	.0007	.003	.0000	.0003	.000	.0005	.0000
%RSD	.1167	.0889	5.388	1.101	.0099	32.04	.0314
#1	.5739	3.060	-.0006	.0298	3.705	-.0012	.1108
#2	.5749	3.056	-.0006	.0303	3.704	-.0019	.1108

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102850.**	**14598.**	**2040.9**	**5993.8**
Stddev	261.	42.	.8	2.0
%RSD	.25353	.28772	.03942	.03419
#1	102660.	14628.	2041.4	5995.3
#2	103030.	14569.	2040.3	5992.4

Zoom In Zoom Out

Sample Name: jb68350-2 Acquired: 6/10/2014 23:11:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3352**	**.0029**	**.0022**	**.0438**	**.0875**	**.3363**	**1.814**	**.1044**	**-.0014**
Stddev	.0006	.0001	.0000	.0002	.0004	.0001	.002	.0004	.0001
%RSD	.1882	2.353	.2848	.5128	.4404	.0444	.0804	.3489	6.954
#1	.3348	.0029	.0022	.0439	.0872	.3364	1.815	.1047	-.0013
#2	.3357	.0028	.0022	.0436	.0878	.3362	1.813	.1041	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2709**	**.5941**	**.0522**	**-.0033**	**.9072**	**.0079**	**.0010**	**44.52**	**226.6**
Stddev	.0001	.0011	.0007	.0046	.0012	.0000	.0001	.08	.7
%RSD	.0502	.1823	1.396	139.1	.1355	.3826	13.42	.1735	.3093
#1	.2710	.5933	.0517	-.0065	.9063	.0079	.0009	44.47	227.1
#2	.2708	.5949	.0527	-.0001	.9080	.0078	.0011	44.58	226.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**107.4**	**127.5**	**9.125**	**3.135**	**.1703**	**-.0009**	**-.0169**	**3.059**	**.0325**
Stddev	.1	.2	.033	.004	.0008	.0003	.0004	.003	.0003
%RSD	.0655	.1469	.3571	.1327	.4545	29.57	2.233	.1017	.7745
#1	107.3	127.4	9.102	3.132	.1698	-.0011	-.0172	3.057	.0323
#2	107.4	127.6	9.148	3.138	.1709	-.0007	-.0166	3.062	.0327

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2198**	**3.235**	**-.0050**	**.0260**	**6.457**	**-.0012**	**.0668**
Stddev	.0000	.002	.0006	.0000	.020	.0009	.0009
%RSD	.0029	.0655	12.21	.0843	.3156	72.26	1.359
#1	.2198	3.237	-.0046	.0261	6.471	-.0019	.0674
#2	.2198	3.234	-.0054	.0260	6.442	-.0006	.0661

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104700.**	**14612.**	**2075.7**	**6196.2**
Stddev	42.	15.	2.8	6.7
%RSD	.04049	.10009	.13409	.10749
#1	104670.	14622.	2077.7	6200.9
#2	104730.	14601.	2073.7	6191.5

Zoom In Zoom Out

Sample Name: jb68362-3 Acquired: 6/10/2014 23:17:38 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1808**	**.0008**	**.0005**	**.0049**	**.0316**	**.0300**	**.1644**	**.0157**	**-.0001**
Stddev	.0004	.0000	.0001	.0001	.0002	.0002	.0000	.0001	.0003
%RSD	.2337	.9129	12.58	1.554	.6417	.7981	.0291	.9157	590.3
#1	.1811	.0008	.0004	.0050	.0315	.0298	.1644	.0158	-.0003
#2	.1805	.0008	.0005	.0048	.0318	.0302	.1644	.0156	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0360**	**.2807**	**.0098**	**.0011**	**.1481**	**.0055**	**.0004**	**34.05**	**1.424**
Stddev	.0004	.0536	.0004	.0008	.0015	.0005	.0005	.01	.003
%RSD	1.195	19.09	3.625	73.18	1.023	8.153	109.2	.0288	.1894
#1	.0356	.3185	.0095	.0016	.1492	.0052	.0008	34.04	1.426
#2	.0363	.2428	.0100	.0005	.1470	.0058	.0001	34.06	1.422

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**20.09**	**1.787**	**1.030**	**1.368**	**.0030**	**-.0007**	**-.0036**	**3.524**	**.0119**
Stddev	.00	.024	.000	.006	.0017	.0000	.0001	.024	.0001
%RSD	.0104	1.338	.0060	.4684	55.72	1.216	3.071	.6655	1.095
#1	20.09	1.771	1.030	1.363	.0042	-.0007	-.0035	3.507	.0118
#2	20.09	1.804	1.030	1.373	.0018	-.0007	-.0037	3.540	.0120

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0129**	**.4692**	**-.0105**	**.0096**	**.1217**	**-.0018**	**.0169**
Stddev	.0001	.0014	.0009	.0001	.0176	.0001	.0004
%RSD	.7874	.3006	8.134	.7473	14.45	5.142	2.492
#1	.0129	.4682	-.0099	.0096	.1342	-.0019	.0172
#2	.0128	.4702	-.0111	.0097	.1093	-.0018	.0166

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111920.**	**14840.**	**2215.1**	**7002.3**
Stddev	10.	75.	19.0	31.0
%RSD	.00904	.50373	.85917	.44203
#1	111910.	14893.	2228.5	7024.1
#2	111930.	14787.	2201.6	6980.4

Zoom In Zoom Out

Sample Name: jb68362-4 Acquired: 6/10/2014 23:23:50 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1366**	**.0007**	**.0002**	**.0068**	**.0346**	**.0185**	**.0819**	**.0304**	**.0001**
Stddev	.0000	.0000	.0001	.0000	.0004	.0002	.0000	.0000	.0001
%RSD	.0303	4.984	56.26	.2131	1.217	1.022	.0496	.1226	121.5
#1	.1366	.0007	.0001	.0068	.0349	.0183	.0819	.0303	.0000
#2	.1366	.0007	.0002	.0068	.0343	.0186	.0818	.0304	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0326**	**.0799**	**.0051**	**.0011**	**.0247**	**.0040**	**.0006**	**47.66**	**2.281**
Stddev	.0003	.0005	.0006	.0006	.0005	.0013	.0005	.06	.008
%RSD	.8395	.6166	11.21	52.43	2.075	33.21	83.23	.1194	.3602
#1	.0328	.0796	.0055	.0007	.0243	.0031	.0010	47.62	2.275
#2	.0324	.0803	.0047	.0015	.0250	.0049	.0002	47.70	2.287

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.79**	**1.221**	**1.210**	**1.149**	**.0024**	**-.0005**	**-.0026**	**3.395**	**.0123**
Stddev	.02	.005	.015	.005	.0002	.0003	.0002	.001	.0005
%RSD	.2238	.4526	1.219	.4732	7.509	55.51	6.462	.0177	3.783
#1	10.77	1.217	1.220	1.153	.0026	-.0006	-.0028	3.395	.0120
#2	10.81	1.225	1.199	1.145	.0023	-.0003	-.0025	3.396	.0126

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0150**	**.6090**	**-.0143**	**.0164**	**.0925**	**-.0015**	**.0134**
Stddev	.0000	.0003	.0004	.0001	.0035	.0002	.0003
%RSD	.3057	.0526	2.500	.4617	3.796	15.60	2.514
#1	.0150	.6088	-.0140	.0164	.0950	-.0013	.0131
#2	.0150	.6092	-.0145	.0165	.0900	-.0017	.0136

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111140.**	**14770.**	**2234.3**	**6999.4**
Stddev	46.	43.	3.2	3.1
%RSD	.04167	.29354	.14302	.04469
#1	111100.	14801.	2236.6	7001.6
#2	111170.	14740.	2232.1	6997.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 23:30:03 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.013**	**2.026**	**2.028**	**2.038**	**1.983**	**2.061**	**2.048**	**.2425**
Stddev	.004	.004	.003	.001	.001	.004	.003	.000	.0005
%RSD	.2156	.1915	.1237	.0524	.0466	.1773	.1581	.0125	.2033
#1	2.036	2.016	2.024	2.027	2.039	1.986	2.063	2.048	.2429
#2	2.029	2.010	2.028	2.028	2.037	1.981	2.058	2.048	.2422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**2.060**	**2.006**	**2.121**	**2.045**	**2.027**	**2.003**	**39.61**	**40.17**
Stddev	.003	.003	.003	.002	.003	.003	.001	.12	.11
%RSD	.1411	.1477	.1238	.1136	.1673	.1226	.0462	.2947	.2615
#1	2.010	2.062	2.004	2.122	2.048	2.028	2.002	39.69	40.25
#2	2.006	2.058	2.008	2.119	2.043	2.025	2.004	39.52	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	**39.09**	**39.17**	**40.96**	**40.59**	**2.028**	**2.039**	**1.990**	**5.007**	**2.069**
Stddev	.06	.15	.12	.12	.004	.001	.002	.004	.002
%RSD	.1447	.3840	.3025	.2986	.2026	.0685	.0969	.0805	.1181
#1	39.13	39.28	41.05	40.68	2.025	2.038	1.992	5.005	2.067
#2	39.05	39.06	40.88	40.50	2.030	2.040	1.989	5.010	2.071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 23:30:03 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**2.022**	**1.883**	**2.012**	**1.976**	**2.010**	**2.039**
Stddev	.004	.004	.027	.001	.002	.002	.007
%RSD	.1902	.1886	1.428	.0394	.1075	.1165	.3508
#1	2.071	2.025	1.864	2.013	1.977	2.009	2.044
#2	2.066	2.020	1.902	2.012	1.974	2.012	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105500.**	**14383.**	**2098.0**	**6476.6**
Stddev	193.	33.	3.7	7.7
%RSD	.18252	.22924	.17833	.11920
#1	105370.	14360.	2100.6	6482.0
#2	105640.	14406.	2095.3	6471.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:36:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0008**	F **.0011**	**.0011**	**.0009**	**.0010**	**.0012**	F **.0011**	**.0001**
Stddev	.0002	.0002	.0003	.0003	.0002	.0001	.0001	.0001	.0000
%RSD	19.60	21.22	28.34	23.50	19.24	13.44	4.715	8.503	8.973
#1	.0010	.0007	.0013	.0013	.0008	.0011	.0012	.0012	.0001
#2	.0013	.0009	.0008	.0010	.0010	.0009	.0013	.0010	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0011**	**.0015**	F **.0032**	**.0011**	**.0008**	**.0010**	**.0186**	**.0211**
Stddev	.0002	.0003	.0012	.0015	.0002	.0001	.0002	.0091	.0016
%RSD	17.65	25.19	82.21	47.52	18.08	14.96	21.68	48.73	7.522
#1	.0011	.0013	.0023	.0021	.0012	.0009	.0012	.0122	.0222
#2	.0014	.0009	.0006	.0043	.0009	.0008	.0009	.0250	.0200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0020					
Low Limit				-.0020					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0195**	**.0316**	**.0584**	**.0209**	**.0013**	F **.0024**	**.0005**	**.0051**	**.0007**
Stddev	.0041	.0229	.0002	.0028	.0010	.0004	.0002	.0008	.0000
%RSD	20.99	72.51	.3768	13.34	80.41	15.70	40.60	15.25	6.907
#1	.0166	.0478	.0583	.0190	.0020	.0026	.0004	.0057	.0007
#2	.0224	.0154	.0586	.0229	.0006	.0021	.0007	.0046	.0007
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:36:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	F **.0014**	F **.0130**	F **.0015**	**.0019**	**.0010**	**.0014**
Stddev	.0001	.0001	.0022	.0001	.0004	.0003	.0008
%RSD	12.54	5.209	16.56	5.723	20.62	30.72	56.74
#1	.0008	.0013	.0145	.0016	.0016	.0012	.0020
#2	.0010	.0014	.0115	.0015	.0021	.0008	.0008
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0123	.0010			
Low Limit		-.0010	-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112180.**	**14579.**	**2208.8**	**7248.9**
Stddev	221.	57.	1.5	1.6
%RSD	.19697	.38935	.06613	.02184
#1	112340.	14619.	2207.7	7250.0
#2	112030.	14539.	2209.8	7247.7

Zoom In Zoom Out

Sample Name: jb68458-1 Acquired: 6/10/2014 23:42:24 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2980**	**.0070**	**.0013**	**.0747**	**.2538**	**.0873**	**1.873**	**.2219**	**-.0022**
Stddev	.0003	.0001	.0003	.0003	.0001	.0008	.000	.0003	.0003
%RSD	.1152	.8323	24.53	.4124	.0415	.9264	.0046	.1382	15.88
#1	.2982	.0070	.0011	.0750	.2539	.0868	1.873	.2217	-.0019
#2	.2977	.0070	.0016	.0745	.2537	.0879	1.873	.2222	-.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4469**	**.5020**	**.0326**	**-.0221**	**.1239**	**.0090**	**.0016**	**151.0**	**26.39**
Stddev	.0008	.0001	.0010	.0036	.0009	.0010	.0001	.4	.02
%RSD	.1884	.0225	2.924	16.19	.7158	11.51	4.876	.2444	.0633
#1	.4463	.5020	.0319	-.0247	.1233	.0097	.0015	151.3	26.40
#2	.4475	.5021	.0333	-.0196	.1245	.0083	.0016	150.8	26.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**182.7**	**57.41**	**33.43**	**20.42**	**.2719**	**.0963**	**-.0187**	**2.877**	**.0169**
Stddev	.1	.15	.07	.06	.0004	.0004	.0005	.002	.0012
%RSD	.0591	.2586	.2157	.2856	.1644	.4066	2.836	.0768	7.313
#1	182.7	57.52	33.48	20.46	.2723	.0966	-.0184	2.878	.0160
#2	182.8	57.31	33.38	20.38	.2716	.0960	-.0191	2.875	.0178

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3000**	**2.623**	**.0138**	**.0958**	**109.4**	**-.0046**	**.3943**
Stddev	.0003	.001	.0010	.0010	.2	.0004	.0008
%RSD	.0991	.0287	7.529	1.032	.1520	8.713	.2028
#1	.3002	2.623	.0145	.0965	109.5	-.0049	.3938
#2	.2998	2.624	.0131	.0951	109.3	-.0043	.3949

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112280.**	**15516.**	**2244.3**	**6554.5**
Stddev	102.	5.	.9	5.4
%RSD	.09041	.03072	.04202	.08200
#1	112210.	15519.	2243.6	6558.3
#2	112350.	15512.	2244.9	6550.7

Zoom In Zoom Out

Sample Name: jb68458-2 Acquired: 6/10/2014 23:48:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3850**	**.0059**	**.0008**	**.0674**	**.3049**	**.2306**	**2.578**	**.2316**	**-.0084**
Stddev	.0009	.0000	.0002	.0002	.0011	.0001	.002	.0002	.0006
%RSD	.2275	.1447	25.83	.2828	.3533	.0262	.0650	.0747	7.475
#1	.3844	.0059	.0007	.0675	.3041	.2306	2.577	.2315	-.0089
#2	.3857	.0059	.0010	.0673	.3057	.2307	2.579	.2317	-.0080

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3657**	**.6054**	**.0865**	**-.0220**	**.5841**	**.0056**	**.0033**	**160.5**	**34.82**
Stddev	.0005	.0004	.0009	.0008	.0014	.0023	.0008	.5	.06
%RSD	.1464	.0638	1.051	3.693	.2438	41.39	24.46	.3189	.1690
#1	.3661	.6056	.0872	-.0215	.5831	.0073	.0027	160.2	34.78
#2	.3653	.6051	.0859	-.0226	.5851	.0040	.0039	160.9	34.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**376.3**	**57.47**	**32.90**	**7.981**	**.2169**	**-.0038**	**-.0261**	**10.81**	**.0346**
Stddev	3.1	.13	.12	.022	.0003	.0002	.0007	.00	.0008
%RSD	.8115	.2247	.3766	.2810	.1577	4.907	2.677	.0121	2.376
#1	374.1	57.37	32.81	7.965	.2172	-.0036	-.0256	10.81	.0340
#2	378.5	57.56	32.98	7.997	.2167	-.0039	-.0266	10.81	.0352

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3802**	**3.810**	**.0217**	**.0962**	**13.30**	**-.0026**	**.3423**
Stddev	.0000	.000	.0017	.0002	.02	.0004	.0001
%RSD	.0128	.0020	7.903	.1886	.1489	16.62	.0224
#1	.3802	3.810	.0229	.0960	13.29	-.0023	.3423
#2	.3801	3.811	.0205	.0963	13.32	-.0030	.3424

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107050.**	**14880.**	**2132.4**	**6700.9**
Stddev	59.	63.	.3	2.0
%RSD	.05504	.42085	.01393	.03054
#1	107010.	14924.	2132.6	6702.4
#2	107100.	14836.	2132.2	6699.5

Zoom In Zoom Out

Sample Name: jb68458-5 Acquired: 6/10/2014 23:54:41 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3433**	**.0095**	**.0016**	**.1074**	**.3054**	**.1157**	**3.554**	**.2714**	**-.0053**
Stddev	.0007	.0000	.0002	.0002	.0009	.0003	.006	.0003	.0002
%RSD	.2110	.5231	13.73	.1739	.2811	.2604	.1739	.1240	4.654
#1	.3438	.0095	.0017	.1073	.3048	.1159	3.550	.2712	-.0055
#2	.3428	.0096	.0014	.1076	.3060	.1154	3.558	.2716	-.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3780**	**.7307**	**.0989**	**-.0306**	**.1415**	**.0072**	**.0037**	**168.3**	**20.61**
Stddev	.0007	.0010	.0006	.0016	.0001	.0013	.0012	.6	.00
%RSD	.1932	.1303	.6185	5.390	.0663	18.65	31.98	.3296	.0129
#1	.3786	.7300	.0993	-.0294	.1416	.0081	.0029	168.7	20.61
#2	.3775	.7313	.0984	-.0317	.1415	.0062	.0045	167.9	20.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**300.4**	**70.39**	**37.35**	**23.38**	**.2321**	**.0350**	**-.0236**	**3.978**	**.0182**
Stddev	.1	.01	.09	.07	.0014	.0001	.0005	.020	.0003
%RSD	.0347	.0078	.2452	.2891	.5956	.2140	2.255	.4934	1.910
#1	300.3	70.38	37.41	23.43	.2312	.0350	-.0232	3.964	.0179
#2	300.4	70.39	37.28	23.33	.2331	.0349	-.0240	3.991	.0184

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2477**	**3.313**	**.0152**	**.1255**	**173.7**	**-.0028**	**.3629**
Stddev	.0002	.007	.0008	.0001	1.0	.0003	.0007
%RSD	.0754	.2167	5.019	.0614	.5582	9.309	.1973
#1	.2476	3.308	.0146	.1256	173.1	-.0030	.3634
#2	.2478	3.318	.0157	.1255	174.4	-.0026	.3623

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112630.**	**15505.**	**2245.7**	**6631.2**
Stddev	125.	17.	3.8	1.1
%RSD	.11102	.10892	.16801	.01709
#1	112720.	15493.	2248.3	6632.0
#2	112540.	15517.	2243.0	6630.4

Zoom In Zoom Out

Sample Name: jb68458-6 Acquired: 6/11/2014 0:00:52 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3569**	**.0100**	**.0019**	**.1088**	**.3206**	**.1197**	**3.545**	**.2761**	**-.0074**
Stddev	.0006	.0000	.0001	.0008	.0011	.0003	.004	.0003	.0001
%RSD	.1656	.2666	3.048	.7282	.3509	.2882	.1065	.1217	.6896
#1	.3573	.0100	.0019	.1094	.3213	.1194	3.548	.2764	-.0074
#2	.3565	.0100	.0019	.1083	.3198	.1199	3.542	.2759	-.0073

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4047**	**.8318**	**.1104**	**-.0332**	**.1504**	**.0045**	**.0048**	**173.8**	**21.78**
Stddev	.0002	.0010	.0010	.0005	.0004	.0009	.0006	.3	.08
%RSD	.0415	.1190	.8763	1.620	.2504	19.43	12.07	.1898	.3770
#1	.4046	.8325	.1097	-.0328	.1506	.0051	.0052	174.1	21.84
#2	.4048	.8311	.1111	-.0336	.1501	.0039	.0043	173.6	21.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**333.1**	**72.93**	**38.64**	**24.64**	**.2388**	**.0404**	**-.0281**	**4.311**	**.0199**
Stddev	2.7	.44	.08	.05	.0004	.0004	.0011	.020	.0011
%RSD	.8174	.6061	.2146	.1957	.1622	.9405	3.893	.4621	5.276
#1	335.0	73.25	38.70	24.68	.2385	.0401	-.0289	4.297	.0207
#2	331.1	72.62	38.58	24.61	.2391	.0407	-.0273	4.325	.0192

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2601**	**3.573**	**.0141**	**.1374**	**208.9**	**-.0040**	**.3768**
Stddev	.0001	.006	.0003	.0001	1.1	.0011	.0006
%RSD	.0514	.1602	2.207	.1055	.5273	26.26	.1632
#1	.2600	3.577	.0139	.1375	208.1	-.0033	.3772
#2	.2602	3.569	.0143	.1373	209.7	-.0048	.3764

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112560.**	**15627.**	**2252.7**	**6659.7**
Stddev	36.	81.	4.6	4.3
%RSD	.03167	.51611	.20455	.06527
#1	112580.	15570.	2256.0	6662.8
#2	112530.	15684.	2249.5	6656.6

Zoom In Zoom Out

Sample Name: jb68561-1 Acquired: 6/11/2014 0:07:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1210**	**.0028**	**.0015**	**.0414**	**.0764**	**.1126**	**4.569**	**.0659**	**-.0011**
Stddev	.0003	.0001	.0001	.0001	.0004	.0003	.009	.0003	.0001
%RSD	.2843	2.016	3.594	.1921	.5884	.2345	.2023	.4961	10.55
#1	.1212	.0028	.0015	.0414	.0761	.1128	4.576	.0657	-.0011
#2	.1207	.0028	.0016	.0413	.0767	.1124	4.563	.0662	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1530**	**.1506**	**.0127**	**-.0035**	**.0146**	**.0046**	**-.0002**	**30.20**	**8.377**
Stddev	.0002	.0005	.0001	.0015	.0008	.0000	.0001	.03	.030
%RSD	.1429	.3427	.8219	42.01	5.780	.9011	44.92	.1091	.3548
#1	.1528	.1502	.0128	-.0046	.0140	.0046	-.0003	30.18	8.398
#2	.1531	.1509	.0127	-.0025	.0152	.0047	-.0001	30.23	8.356

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**99.77**	**11.94**	**3.947**	**.6791**	**.0020**	**-.0043**	**-.0103**	**2.691**	**.0151**
Stddev	.05	.08	.002	.0031	.0004	.0001	.0005	.003	.0000
%RSD	.0482	.6439	.0604	.4584	18.78	3.059	4.437	.1000	.0887
#1	99.74	11.99	3.949	.6813	.0022	-.0042	-.0100	2.689	.0151
#2	99.81	11.88	3.945	.6769	.0017	-.0044	-.0106	2.693	.0151

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0523**	**1.919**	**-.0055**	**.0167**	**.0645**	**-.0044**	**.0340**
Stddev	.0001	.001	.0001	.0002	.0009	.0001	.0002
%RSD	.2519	.0620	2.257	1.225	1.397	2.111	.5618
#1	.0524	1.920	-.0054	.0169	.0651	-.0043	.0338
#2	.0522	1.918	-.0056	.0166	.0638	-.0044	.0341

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**114230.**	**15305.**	**2276.4**	**6959.7**
Stddev	44.	7.	6.7	11.9
%RSD	.03880	.04882	.29441	.17125
#1	114260.	15311.	2281.1	6968.2
#2	114200.	15300.	2271.6	6951.3

Zoom In Zoom Out

Sample Name: jb68561-3 Acquired: 6/11/2014 0:13:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1107**	**.0024**	**.0110**	**.0333**	**.1686**	**.2228**	**.5666**	**.0489**	**-.0012**
Stddev	.0003	.0000	.0001	.0001	.0005	.0006	.0007	.0002	.0004
%RSD	.2685	1.347	.6650	.3904	.2768	.2669	.1163	.4791	31.19
#1	.1109	.0024	.0109	.0334	.1689	.2232	.5671	.0490	-.0015
#2	.1105	.0024	.0110	.0332	.1682	.2223	.5662	.0487	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1578**	**1.742**	**.0132**	**-.0023**	**.0459**	**.0013**	**-.0001**	**29.07**	**9.967**
Stddev	.0004	.001	.0002	.0004	.0008	.0002	.0002	.03	.016
%RSD	.2767	.0612	1.252	18.30	1.842	14.41	161.4	.0979	.1590
#1	.1581	1.741	.0130	-.0026	.0453	.0012	-.0003	29.05	9.978
#2	.1575	1.742	.0133	-.0020	.0465	.0015	.0000	29.09	9.955

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**102.8**	**10.37**	**3.754**	**.7645**	**.0025**	**-.0048**	**-.0102**	**2.637**	**.0340**
Stddev	.1	.01	.022	.0048	.0004	.0001	.0000	.002	.0005
%RSD	.0698	.0826	.5938	.6226	14.11	1.129	.3416	.0838	1.520
#1	102.9	10.38	3.739	.7679	.0028	-.0048	-.0103	2.639	.0344
#2	102.8	10.37	3.770	.7611	.0023	-.0049	-.0102	2.635	.0337

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1412**	**1.764**	**-.0016**	**.0164**	**.1507**	**-.0025**	**.0353**
Stddev	.0000	.004	.0009	.0001	.0007	.0000	.0001
%RSD	.0201	.2229	59.63	.4986	.4689	.4607	.1780
#1	.1412	1.767	-.0009	.0165	.1502	-.0025	.0352
#2	.1411	1.761	-.0023	.0164	.1512	-.0025	.0353

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**113450.**	**15153.**	**2255.6**	**6962.7**
Stddev	274.	2.	1.0	2.6
%RSD	.24175	.01293	.04455	.03725
#1	113260.	15155.	2256.4	6960.9
#2	113650.	15152.	2254.9	6964.5

Zoom In Zoom Out

Sample Name: jb68561-5 Acquired: 6/11/2014 0:19:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1238**	**.0031**	**.0019**	**.0421**	**.0915**	**.1026**	**1.012**	**.0694**	**-.0012**
Stddev	.0003	.0000	.0000	.0001	.0001	.0004	.003	.0001	.0000
%RSD	.2744	1.249	2.072	.2189	.0967	.3453	.3329	.0731	1.922
#1	.1240	.0031	.0019	.0421	.0915	.1028	1.015	.0694	-.0012
#2	.1236	.0031	.0019	.0422	.0914	.1023	1.010	.0693	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2045**	**.1426**	**.0158**	**-.0033**	**.0186**	**.0051**	**.0000**	**40.13**	**9.131**
Stddev	.0008	.0000	.0002	.0014	.0006	.0012	.000	.02	.002
%RSD	.3929	.0069	1.173	44.42	3.055	23.49	2554.	.0487	.0175
#1	.2050	.1426	.0159	-.0022	.0191	.0060	-.0001	40.12	9.132
#2	.2039	.1426	.0157	-.0043	.0182	.0043	.0001	40.14	9.130

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**126.4**	**14.79**	**4.861**	**.8083**	**.0019**	**-.0049**	**-.0139**	**2.786**	**.0177**
Stddev	.1	.01	.024	.0031	.0001	.0000	.0004	.008	.0003
%RSD	.0695	.0834	.4980	.3864	4.275	.5840	2.868	.2728	1.888
#1	126.4	14.78	4.878	.8061	.0018	-.0049	-.0136	2.780	.0175
#2	126.3	14.80	4.844	.8105	.0020	-.0049	-.0142	2.791	.0179

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0349**	**2.524**	**-.0058**	**.0234**	**.0927**	**-.0072**	**.0476**
Stddev	.0001	.008	.0001	.0001	.0021	.0005	.0004
%RSD	.2447	.3257	1.422	.3522	2.288	6.531	.8801
#1	.0350	2.530	-.0057	.0235	.0942	-.0076	.0479
#2	.0349	2.518	-.0058	.0234	.0912	-.0069	.0473

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**114270.**	**15200.**	**2259.9**	**6911.5**
Stddev	339.	30.	4.5	6.0
%RSD	.29650	.19429	.19910	.08748
#1	114030.	15221.	2263.0	6915.8
#2	114510.	15180.	2256.7	6907.2

Zoom In Zoom Out

Sample Name: jb68772-1 Acquired: 6/11/2014 0:25:32 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4752**	**.0067**	**.0006**	**.0928**	**.1456**	**.1551**	**4.474**	**.1729**	**-.0021**
Stddev	.0007	.0001	.0003	.0006	.0002	.0006	.021	.0002	.0004
%RSD	.1553	.9357	48.26	.6418	.1136	.4036	.4777	.1365	18.05
#1	.4747	.0066	.0004	.0924	.1455	.1546	4.458	.1727	-.0024
#2	.4757	.0067	.0008	.0933	.1457	.1555	4.489	.1730	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1968**	**.5425**	**.1152**	**-.0078**	**.1530**	**.0052**	**.0027**	**114.2**	**4.251**
Stddev	.0003	.0027	.0004	.0008	.0018	.0014	.0016	.3	.003
%RSD	.1311	.4969	.3640	10.94	1.184	26.05	57.29	.2338	.0707
#1	.1966	.5406	.1155	-.0072	.1518	.0062	.0016	114.1	4.253
#2	.1970	.5444	.1149	-.0084	.1543	.0043	.0038	114.4	4.249

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**234.9**	**19.44**	**12.57**	**.3688**	**.0192**	**-.0085**	**-.0192**	**5.027**	**.0159**
Stddev	.9	.08	.02	.0046	.0005	.0001	.0001	.003	.0007
%RSD	.3680	.4087	.1735	1.237	2.634	.8910	.3881	.0668	4.114
#1	234.3	19.38	12.55	.3720	.0196	-.0084	-.0192	5.025	.0155
#2	235.5	19.49	12.58	.3655	.0188	-.0085	-.0193	5.030	.0164

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0762**	**1.593**	**.0050**	**.0850**	**.8271**	**-.0044**	**.2031**
Stddev	.0002	.002	.0005	.0000	.0015	.0011	.0006
%RSD	.2010	.1355	10.06	.0329	.1853	24.54	.2799
#1	.0761	1.591	.0046	.0850	.8260	-.0036	.2027
#2	.0763	1.594	.0053	.0850	.8282	-.0052	.2035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109400.**	**14814.**	**2176.9**	**6858.7**
Stddev	156.	57.	.9	4.6
%RSD	.14268	.38514	.04162	.06706
#1	109510.	14855.	2176.3	6855.5
#2	109290.	14774.	2177.6	6862.0

Zoom In Zoom Out

Sample Name: jb68772-2 Acquired: 6/11/2014 0:31:44 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4218**	**.0049**	**.0000**	**.0554**	**.1426**	**.1266**	**1.951**	**.1229**	**-.0014**
Stddev	.0003	.0000	.000	.0001	.0005	.0003	.007	.0002	.0000
%RSD	.0735	.8989	591.5	.1843	.3269	.2130	.3664	.1592	2.283
#1	.4215	.0048	.0000	.0555	.1423	.1268	1.946	.1228	-.0015
#2	.4220	.0049	.0000	.0553	.1429	.1264	1.956	.1230	-.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1669**	**.3044**	**.2037**	**-.0109**	**.1210**	**.0017**	**.0032**	**75.78**	**2.440**
Stddev	.0005	.0008	.0005	.0013	.0006	.0010	.0007	.08	.008
%RSD	.2742	.2605	.2259	11.63	.5083	61.94	21.07	.1097	.3323
#1	.1665	.3038	.2034	-.0100	.1205	.0010	.0027	75.72	2.434
#2	.1672	.3049	.2041	-.0118	.1214	.0024	.0037	75.84	2.446

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**174.1**	**10.22**	**13.79**	**.8172**	**.0216**	**.0026**	**-.0160**	**4.791**	**.0164**
Stddev	.4	.03	.00	.0041	.0008	.0001	.0002	.005	.0002
%RSD	.2214	.3313	.0084	.4998	3.898	4.360	1.037	.1020	1.086
#1	173.9	10.25	13.79	.8201	.0210	.0025	-.0161	4.795	.0165
#2	174.4	10.20	13.79	.8143	.0222	.0027	-.0159	4.788	.0163

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0496**	**.5616**	**.0092**	**.0787**	**.4881**	**-.0045**	**.1178**
Stddev	.0001	.0002	.0008	.0004	.0006	.0002	.0000
%RSD	.2176	.0389	8.533	.4458	.1239	3.434	.0380
#1	.0496	.5614	.0086	.0784	.4886	-.0044	.1179
#2	.0495	.5617	.0098	.0789	.4877	-.0046	.1178

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110220.**	**14852.**	**2196.5**	**6898.4**
Stddev	262.	77.	.2	1.6
%RSD	.23773	.52100	.01018	.02271
#1	110400.	14906.	2196.7	6897.3
#2	110030.	14797.	2196.4	6899.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 0:37:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.012**	**2.021**	**2.026**	**2.032**	**1.995**	**2.066**	**2.046**	**.2424**
Stddev	.001	.000	.004	.004	.003	.003	.001	.004	.0004
%RSD	.0464	.0047	.2110	.1722	.1281	.1609	.0394	.2057	.1791
#1	2.029	2.012	2.018	2.024	2.034	1.997	2.065	2.043	.2428
#2	2.031	2.012	2.024	2.029	2.030	1.992	2.067	2.049	.2421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.058**	**1.996**	**2.113**	**2.048**	**2.015**	**1.998**	**39.63**	**40.04**
Stddev	.002	.002	.005	.013	.001	.010	.004	.00	.10
%RSD	.1069	.0882	.2712	.6305	.0570	.4779	.2189	.0040	.2453
#1	2.019	2.056	1.992	2.103	2.047	2.009	1.995	39.63	40.11
#2	2.022	2.059	2.000	2.122	2.049	2.022	2.001	39.63	39.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.84**	**39.01**	**41.02**	**40.53**	**2.022**	**2.036**	**1.995**	**4.990**	**2.063**
Stddev	.06	.16	.04	.00	.007	.009	.004	.022	.005
%RSD	.1544	.4168	.1059	.0072	.3596	.4339	.1948	.4420	.2285
#1	38.89	39.12	40.99	40.53	2.016	2.030	1.998	4.975	2.060
#2	38.80	38.89	41.05	40.53	2.027	2.042	1.992	5.006	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 0:37:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.028**	**1.869**	**2.008**	**1.972**	**2.008**	**2.030**
Stddev	.002	.000	.026	.001	.012	.006	.003
%RSD	.0869	.0002	1.381	.0479	.5975	.2896	.1236
#1	2.061	2.028	1.850	2.008	1.964	2.004	2.032
#2	2.059	2.028	1.887	2.007	1.981	2.012	2.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105610.**	**14402.**	**2107.0**	**6490.4**
Stddev	95.	3.	6.2	13.9
%RSD	.09036	.01941	.29659	.21409
#1	105670.	14400.	2111.4	6500.2
#2	105540.	14404.	2102.5	6480.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 0:43:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	F **.0009**	**.0009**	**.0009**	**.0007**	**.0008**	F **.0011**	**.0002**
Stddev	.0001	.0001	.0002	.0002	.0005	.0000	.0001	.0003	.0003
%RSD	10.13	22.57	22.60	22.57	53.05	.6901	12.20	25.51	216.0
#1	.0008	.0005	.0011	.0010	.0012	.0007	.0008	.0013	-.0001
#2	.0009	.0007	.0008	.0008	.0005	.0007	.0009	.0009	.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0009**	**.0014**	**.0012**	**.0003**	**.0005**	**.0007**	**.0132**	**.0111**
Stddev	.0001	.0001	.0007	.0006	.0008	.0007	.0004	.0008	.0050
%RSD	10.96	15.22	45.55	52.72	231.3	134.9	66.12	6.158	44.99
#1	.0009	.0010	.0019	.0016	.0009	.0010	.0010	.0126	.0076
#2	.0011	.0008	.0010	.0007	-.0002	.0000	.0004	.0137	.0146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0168**	**.0309**	**.0736**	**.0081**	**.0011**	F **.0022**	**.0001**	**.0048**	**.0010**
Stddev	.0039	.0148	.0231	.0015	.0002	.0005	.0003	.0006	.0001
%RSD	23.09	47.92	31.34	19.09	13.51	21.80	367.3	12.27	5.902
#1	.0140	.0204	.0573	.0070	.0010	.0026	.0003	.0052	.0011
#2	.0195	.0414	.0900	.0092	.0013	.0019	-.0001	.0043	.0010
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 0:43:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0009**	F **.0127**	F **.0015**	**.0007**	**.0011**	**.0017**
Stddev	.0001	.0001	.0022	.0000	.0015	.0001	.0006
%RSD	14.45	7.120	17.57	.0950	216.7	4.643	34.82
#1	.0006	.0010	.0143	.0015	.0018	.0012	.0013
#2	.0007	.0009	.0111	.0015	-.0004	.0011	.0021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111950.**	**14492.**	**2204.8**	**7242.8**
Stddev	74.	20.	3.6	14.0
%RSD	.06614	.13457	.16143	.19347
#1	112000.	14478.	2207.3	7252.7
#2	111900.	14505.	2202.3	7232.9

Zoom In Zoom Out

Sample Name: mp79919-mb1 2 Acquired: 6/11/2014 0:50:15 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0001**	**.0001**	**.0002**	**.0000**	**.0000**	**-.0001**	**-.0001**
Stddev	.0000	.000	.0000	.0002	.0000	.000	.0000	.0001	.0001
%RSD	45.86	8.282	38.54	192.3	20.64	16.03	21.04	118.5	75.92
#1	.0001	.0000	-.0001	.0000	.0003	.0000	.0000	-.0002	-.0002
#2	.0000	.0000	-.0001	.0002	.0002	.0000	.0001	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0036**	**.0002**	**.0000**	**-.0001**	**.0011**	**.0001**	**-.0001**	**.0095**
Stddev	.0000	.0001	.0004	.0001	.0009	.0012	.0014	.0092	.0003
%RSD	27.97	3.693	148.0	328.7	1237.	103.9	1928.	9104.	3.256
#1	.0001	.0037	.0000	.0001	.0005	.0020	.0010	.0064	.0097
#2	.0001	.0035	.0005	-.0001	-.0007	.0003	-.0009	-.0066	.0093

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0063**	**.0319**	**.0431**	**-.0089**	**-.0002**	**.0003**	**-.0002**	**.0365**	**-.0008**
Stddev	.0004	.0087	.0048	.0024	.0004	.0001	.0001	.0008	.0004
%RSD	6.566	27.21	11.15	27.26	198.6	49.02	45.84	2.062	43.21
#1	.0066	.0258	.0397	-.0106	.0001	.0004	-.0002	.0359	-.0011
#2	.0060	.0380	.0465	-.0072	-.0005	.0002	-.0001	.0370	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0003**	**.0030**	**.0007**	**.0406**	**.0000**	**.0009**
Stddev	.0000	.0001	.0004	.0000	.0009	.001	.0001
%RSD	20.19	43.61	13.30	3.921	2.175	8096.	14.35
#1	-.0001	.0004	.0033	.0007	.0412	.0007	.0010
#2	-.0001	.0002	.0028	.0007	.0400	-.0007	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112600.**	**14647.**	**2194.4**	**7227.8**
Stddev	43.	3.	.7	9.9
%RSD	.03800	.02161	.03346	.13642
#1	112570.	14649.	2193.8	7220.8
#2	112630.	14645.	2194.9	7234.7

Zoom In Zoom Out

Sample Name: mp79919-lc1 Acquired: 6/11/2014 0:56:33 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5063**	**.4738**	**.4714**	**.4596**	**.4837**	**.4522**	**.4942**	**.4761**	**.1974**
Stddev	.0002	.0017	.0009	.0005	.0006	.0008	.0001	.0011	.0002
%RSD	.0357	.3529	.1957	.1178	.1213	.1668	.0239	.2326	.1250
#1	.5064	.4726	.4707	.4592	.4841	.4527	.4943	.4753	.1975
#2	.5061	.4750	.4720	.4600	.4833	.4517	.4942	.4768	.1972

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4615**	**.4915**	**.4700**	**.5162**	**.4788**	**.5065**	**.4602**	**4.878**	**5.521**
Stddev	.0012	.0010	.0011	.0004	.0011	.0008	.0018	.001	.016
%RSD	.2512	.2052	.2437	.0816	.2239	.1528	.4009	.0166	.2810
#1	.4623	.4907	.4692	.5159	.4796	.5059	.4589	4.877	5.510
#2	.4606	.4922	.4708	.5165	.4781	.5070	.4615	4.878	5.532

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.442**	**5.299**	**10.22**	**10.05**	**.0109**	**.4738**	**-.0014**	**.0983**	**-.0002**
Stddev	.027	.029	.02	.00	.0002	.0012	.0000	.0001	.0005
%RSD	.4981	.5537	.1755	.0443	1.515	.2513	3.337	.1084	198.0
#1	5.423	5.279	10.23	10.05	.0108	.4730	-.0014	.0982	-.0006
#2	5.461	5.320	10.20	10.05	.0110	.4747	-.0014	.0983	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4846**	**.0050**	**.0051**	**.0497**	**-.0016**	**.0013**
Stddev	.0001	.0003	.0000	.0003	.0023	.0001	.0009
%RSD	32.90	.0659	.6934	6.645	4.552	5.182	72.16
#1	-.0002	.4848	.0050	.0054	.0481	-.0015	.0006
#2	-.0001	.4844	.0049	.0049	.0513	-.0016	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109940.**	**14545.**	**2160.1**	**6933.9**
Stddev	127.	130.	3.5	3.5
%RSD	.11519	.89613	.16090	.05059
#1	109850.	14637.	2162.5	6936.4
#2	110030.	14452.	2157.6	6931.4

Zoom In Zoom Out

Sample Name: jb64500-46 Acquired: 6/11/2014 1:02:39 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0026**	**-.0001**	**.0000**	**.0002**	**.0005**	**.0010**	**.0026**	**.0012**	**.0000**
Stddev	.0001	.0000	.000	.0001	.0004	.0002	.0000	.0001	.000
%RSD	4.134	11.39	370.8	42.33	74.28	21.42	.6446	10.08	414.1
#1	.0026	-.0001	.0000	.0002	.0002	.0009	.0026	.0013	.0001
#2	.0027	-.0001	.0000	.0001	.0007	.0012	.0026	.0011	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0013**	**-.0001**	**.0005**	**.0002**	**.0037**	**.0000**	**.0037**	**.1406**
Stddev	.0001	.0001	.0011	.0012	.0007	.0020	.0003	.0025	.0044
%RSD	29.34	9.197	1742.	259.9	369.7	53.11	1580.	69.66	3.111
#1	.0003	.0012	.0007	-.0004	-.0003	.0023	-.0002	.0055	.1437
#2	.0002	.0014	-.0008	.0013	.0007	.0051	.0002	.0019	.1375

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0110**	**.0492**	**.0416**	**.3480**	**.0013**	**.0000**	**-.0007**	**1.255**	**-.0003**
Stddev	.0022	.0112	.0074	.0035	.0003	.0001	.0015	.001	.0002
%RSD	20.04	22.76	17.85	1.008	25.46	315.6	221.7	.0965	75.86
#1	.0125	.0571	.0363	.3455	.0010	.0000	-.0018	1.255	-.0001
#2	.0094	.0413	.0468	.3505	.0015	.0001	.0004	1.256	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0129**	**.0003**	**-.0034**	**.0000**	**.0271**	**-.0009**	**.0001**
Stddev	.0001	.0003	.0000	.000	.0002	.0006	.0005
%RSD	1.019	109.7	.9450	79.54	.5918	63.55	976.1
#1	.0128	.0001	-.0034	.0000	.0269	-.0005	-.0003
#2	.0130	.0005	-.0034	.0000	.0272	-.0013	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112650.**	**14496.**	**2194.3**	**7222.9**
Stddev	77.	38.	2.5	3.5
%RSD	.06860	.25979	.11497	.04880
#1	112700.	14469.	2196.1	7225.4
#2	112590.	14522.	2192.5	7220.4

Zoom In Zoom Out

Sample Name: jb64500-48 Acquired: 6/11/2014 1:08:56 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**.0000**	**.0002**	**.0003**	**.0001**	**.0000**	**-.0002**	**.0000**
Stddev	.0001	.0000	.0000	.0001	.0003	.0002	.000	.0001	.000
%RSD	104.0	22.98	155.9	53.32	100.9	176.8	178.3	98.74	3076.
#1	.0002	.0000	.0000	.0001	.0004	.0000	.0000	-.0003	-.0001
#2	.0000	-.0001	.0001	.0002	.0001	.0002	-.0001	.0000	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**-.0008**	**.0000**	**-.0001**	**.0020**	**-.0006**	**-.0027**	**.0077**
Stddev	.0001	.0000	.0001	.0014	.0003	.0012	.0003	.0042	.0024
%RSD	85.35	.0712	13.76	3628.	582.6	61.76	46.83	158.1	31.26
#1	.0001	.0010	-.0008	-.0010	-.0003	.0011	-.0004	-.0057	.0094
#2	.0000	.0010	-.0007	.0011	.0002	.0029	-.0008	.0003	.0060

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0041**	**-.0069**	**.0084**	**-.0074**	**-.0001**	**-.0003**	**-.0006**	**.0347**	**-.0003**
Stddev	.0001	.0065	.0157	.0040	.0002	.0002	.0004	.0004	.0003
%RSD	2.638	93.52	188.2	53.65	220.7	55.26	73.90	1.116	79.90
#1	.0041	-.0115	-.0028	-.0103	-.0002	-.0002	-.0003	.0349	-.0001
#2	.0040	-.0023	.0195	-.0046	.0000	-.0005	-.0009	.0344	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0065**	**-.0002**	**.0162**	**-.0007**	**.0008**
Stddev	.0001	.0004	.0002	.0002	.0013	.0001	.0009
%RSD	48.66	159.3	3.279	96.14	7.997	17.02	112.8
#1	-.0002	.0000	-.0066	-.0001	.0153	-.0008	.0015
#2	-.0001	.0005	-.0063	-.0003	.0172	-.0006	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112430.**	**14528.**	**2193.6**	**7228.4**
Stddev	129.	18.	.1	9.3
%RSD	.11462	.12118	.00652	.12929
#1	112520.	14540.	2193.7	7235.0
#2	112340.	14515.	2193.5	7221.8

Zoom In Zoom Out

Sample Name: jb68314-29 Acquired: 6/11/2014 1:15:12 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0000**	**.0000**	**.0007**	**.0003**	**.0002**	**-.0003**	**-.0002**
Stddev	.0001	.0000	.000	.0001	.0003	.0002	.0000	.0002	.0002
%RSD	44.29	23.47	659.3	1372.	38.42	80.13	6.803	82.30	94.30
#1	.0003	-.0001	.0001	.0000	.0009	.0005	.0002	-.0001	-.0003
#2	.0002	-.0001	-.0002	.0000	.0005	.0001	.0002	-.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0018**	**-.0005**	**-.0001**	**-.0008**	**.0019**	**.0004**	**.0033**	**.0250**
Stddev	.0002	.0001	.0002	.0010	.0003	.0022	.0003	.0103	.0027
%RSD	124.6	7.305	43.07	716.6	32.10	112.8	66.96	309.4	10.92
#1	.0002	.0017	-.0004	.0006	-.0006	.0004	.0006	-.0039	.0230
#2	.0000	.0019	-.0007	-.0008	-.0010	.0035	.0002	.0106	.0269

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0074**	**.0104**	**.0366**	**.0348**	**-.0003**	**-.0003**	**-.0001**	**.0518**	**-.0003**
Stddev	.0006	.0069	.0303	.0038	.0004	.0002	.0004	.0003	.0004
%RSD	7.457	65.96	82.70	10.83	109.9	59.65	302.1	.4981	117.5
#1	.0078	.0055	.0580	.0322	-.0006	-.0002	-.0004	.0520	-.0001
#2	.0070	.0152	.0152	.0375	-.0001	-.0005	.0001	.0516	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0087**	**.0000**	**.0153**	**.0001**	**.0001**
Stddev	.0000	.0000	.0002	.000	.0007	.0004	.0001
%RSD	18.28	100.4	1.803	29.84	4.300	643.3	77.55
#1	.0000	.0000	-.0088	-.0001	.0157	.0004	.0002
#2	-.0001	.0000	-.0086	.0000	.0148	-.0002	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111840.**	**14527.**	**2201.0**	**7254.2**
Stddev	2237.	162.	3.0	3.4
%RSD	2.0000	1.1175	.13451	.04711
#1	110260.	14641.	2198.9	7251.8
#2	113420.	14412.	2203.1	7256.6

Zoom In Zoom Out

Sample Name: jb68318-6 Acquired: 6/11/2014 1:21:29 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0001**	**.0001**	**.0003**	**.0000**	**.0003**	**-.0002**	**-.0002**
Stddev	.0002	.0000	.0001	.0000	.0003	.0004	.0000	.0002	.0001
%RSD	67.76	17.45	126.8	54.81	93.88	1187.	1.711	157.0	87.88
#1	.0001	-.0001	.0000	.0001	.0006	.0003	.0003	-.0003	-.0003
#2	.0004	-.0001	-.0001	.0001	.0001	-.0003	.0003	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0122**	**-.0002**	**-.0005**	**-.0005**	**.0015**	**.0001**	**-.0035**	**.0751**
Stddev	.0001	.0000	.0007	.0003	.0005	.0017	.0005	.0036	.0024
%RSD	27.51	.2968	306.2	60.60	101.9	113.9	337.4	101.8	3.200
#1	.0004	.0122	-.0008	-.0007	-.0008	.0003	.0005	-.0010	.0734
#2	.0003	.0122	.0003	-.0003	-.0001	.0027	-.0002	-.0060	.0768

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0081**	**.0246**	**.0214**	**.2583**	**.0012**	**-.0004**	**.0005**	**.0760**	**.0000**
Stddev	.0002	.0023	.0018	.0057	.0008	.0000	.0001	.0012	.001
%RSD	2.294	9.423	8.556	2.202	67.61	6.516	32.33	1.558	3626.
#1	.0082	.0262	.0227	.2543	.0007	-.0004	.0004	.0751	-.0005
#2	.0080	.0229	.0201	.2623	.0018	-.0004	.0006	.0768	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0083**	**-.0003**	**.0274**	**-.0006**	**.0010**
Stddev	.000	.0001	.0006	.0000	.0002	.0005	.0013
%RSD	145.2	16.26	7.586	10.70	.5497	81.07	124.4
#1	.0000	.0003	-.0088	-.0004	.0273	-.0009	.0020
#2	-.0001	.0003	-.0079	-.0003	.0275	-.0003	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112270.**	**14589.**	**2190.9**	**7198.8**
Stddev	358.	92.	5.9	21.2
%RSD	.31902	.63011	.26708	.29426
#1	112520.	14654.	2195.0	7213.8
#2	112020.	14524.	2186.7	7183.8

Zoom In Zoom Out

Sample Name: jb68381-5 Acquired: 6/11/2014 1:27:46 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**-.0001**	**.0001**	**.0003**	**.0000**	**.0000**	**-.0003**	**.0000**
Stddev	.0001	.0000	.0002	.0001	.0002	.0003	.0000	.0002	.000
%RSD	64.85	16.82	158.2	100.4	56.43	2540.	48.64	73.31	1073.
#1	.0001	-.0001	.0000	.0000	.0005	-.0002	.0000	-.0004	-.0001
#2	.0000	-.0001	-.0003	.0001	.0002	.0002	.0000	-.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0015**	**-.0010**	**.0005**	**-.0002**	**.0032**	**.0008**	**-.0001**	**.0077**
Stddev	.0002	.0001	.0007	.0007	.0007	.0004	.0002	.0010	.0022
%RSD	157.6	5.679	75.05	136.8	321.7	12.25	21.72	1456.	28.31
#1	.0003	.0015	-.0015	.0000	.0003	.0035	.0007	-.0007	.0092
#2	.0000	.0014	-.0005	.0009	-.0007	.0029	.0009	.0006	.0061

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0028**	**.0105**	**-.0005**	**-.0083**	**-.0006**	**-.0005**	**-.0002**	**.0491**	**-.0006**
Stddev	.0035	.0088	.0168	.0019	.0003	.0000	.0001	.0003	.0005
%RSD	125.2	84.31	3252.	23.01	51.99	7.995	60.05	.6020	92.20
#1	.0003	.0167	.0114	-.0096	-.0004	-.0005	-.0001	.0489	-.0010
#2	.0052	.0042	-.0124	-.0069	-.0009	-.0006	-.0003	.0493	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0105**	**-.0003**	**.0292**	**-.0002**	**.0004**
Stddev	.000	.0001	.0002	.0001	.0001	.0003	.0008
%RSD	180.2	17.04	1.806	51.47	.1776	157.8	189.6
#1	-.0001	.0004	-.0104	-.0004	.0293	.0000	-.0001
#2	.0000	.0003	-.0107	-.0002	.0292	-.0005	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111900.**	**14597.**	**2192.8**	**7207.1**
Stddev	379.	15.	1.3	2.1
%RSD	.33906	.10247	.05807	.02945
#1	112170.	14586.	2191.9	7208.6
#2	111630.	14607.	2193.7	7205.6

Zoom In Zoom Out

Sample Name: jb68458-4 Acquired: 6/11/2014 1:34:04 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0000**	**.0000**	**.0005**	**.0001**	**.0002**	**.0000**	**.0000**
Stddev	.0001	.0000	.0001	.000	.0002	.0001	.0000	.0001	.0000
%RSD	31.80	45.60	364.8	492.1	40.31	74.75	7.664	552.2	96.95
#1	.0004	-.0001	.0001	.0001	.0007	.0001	.0002	.0000	.0001
#2	.0002	-.0001	-.0001	-.0001	.0004	.0002	.0002	.0000	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0026**	**-.0004**	**-.0014**	**-.0003**	**.0035**	**.0005**	**.0005**	**.0525**
Stddev	.0001	.0001	.0002	.0021	.0011	.0010	.0009	.0059	.0022
%RSD	25.38	4.622	51.28	144.4	436.0	29.04	203.1	1276.	4.183
#1	.0002	.0027	-.0003	-.0029	.0005	.0028	.0011	-.0037	.0540
#2	.0002	.0025	-.0006	.0000	-.0010	.0042	-.0002	.0046	.0509

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0050**	**.0167**	**.0292**	**.2132**	**.0007**	**-.0005**	**-.0003**	**.0956**	**.0004**
Stddev	.0018	.0125	.0324	.0007	.0001	.0001	.0004	.0028	.0005
%RSD	36.32	74.92	111.0	.3101	20.69	26.50	122.9	2.944	118.8
#1	.0037	.0255	.0520	.2128	.0006	-.0004	.0000	.0975	.0007
#2	.0063	.0078	.0063	.2137	.0008	-.0006	-.0006	.0936	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0110**	**-.0002**	**.0274**	**-.0008**	**.0004**
Stddev	.000	.0000	.0018	.0001	.0006	.0000	.0001
%RSD	21.57	15.50	16.32	27.94	2.032	1.447	21.72
#1	.0000	.0001	-.0098	-.0003	.0278	-.0008	.0004
#2	.0000	.0001	-.0123	-.0002	.0270	-.0008	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112680.**	**14659.**	**2204.3**	**7262.6**
Stddev	119.	15.	57.0	168.2
%RSD	.10518	.10427	2.5844	2.3154
#1	112760.	14648.	2164.0	7143.7
#2	112600.	14670.	2244.6	7381.5

Zoom In Zoom Out

Sample Name: jb68538-5 Acquired: 6/11/2014 1:40:20 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0002**	**.0000**	**.0001**	**.0000**	**-.0001**	**-.0002**	**.0001**
Stddev	.0003	.0000	.0000	.000	.0001	.0003	.0000	.0001	.0001
%RSD	82.75	4.656	4.895	725.4	263.5	1159.	42.83	23.74	52.92
#1	.0001	-.0001	-.0002	.0000	.0000	.0002	-.0001	-.0003	.0001
#2	.0005	-.0001	-.0002	.0000	.0001	-.0002	.0000	-.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0022**	**-.0011**	**.0011**	**.0001**	**.0030**	**.0001**	**.0041**	**.0100**
Stddev	.0001	.0000	.0015	.0013	.0011	.0013	.0000	.0011	.0006
%RSD	105.9	1.470	136.7	116.9	1616.	42.75	17.83	26.08	6.104
#1	.0002	.0023	-.0022	.0020	.0008	.0021	.0001	.0034	.0104
#2	.0000	.0022	.0000	.0002	-.0007	.0039	.0001	.0049	.0096

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0053**	**.0134**	**.0021**	**-.0105**	**-.0007**	**-.0006**	**-.0001**	**.0755**	**-.0005**
Stddev	.0008	.0151	.0148	.0024	.0003	.0001	.0005	.0006	.0002
%RSD	15.09	113.1	719.5	23.11	45.43	20.47	719.5	.8465	51.16
#1	.0048	.0241	.0125	-.0122	-.0004	-.0005	.0003	.0759	-.0003
#2	.0059	.0027	-.0084	-.0088	-.0009	-.0006	-.0005	.0750	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0118**	**-.0003**	**.0214**	**-.0001**	**.0009**
Stddev	.0001	.0000	.0007	.0000	.0001	.0006	.0002
%RSD	120.6	47.47	5.924	11.67	.6663	778.7	21.23
#1	-.0001	-.0001	-.0113	-.0003	.0215	.0003	.0008
#2	.0000	-.0001	-.0123	-.0003	.0213	-.0005	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111760.**	**14435.**	**2193.6**	**7205.5**
Stddev	6.	56.	13.0	43.2
%RSD	.00496	.38524	.59291	.59946
#1	111760.	14396.	2184.4	7175.0
#2	111770.	14475.	2202.8	7236.1

Zoom In Zoom Out

Sample Name: jb68539-5 Acquired: 6/11/2014 1:46:37 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**-.0001**	**.0001**	**.0003**	**-.0002**	**.0000**	**.0000**	**.0000**
Stddev	.0003	.0001	.0001	.0001	.0000	.0001	.0000	.000	.000
%RSD	657.7	62.71	48.09	53.75	4.390	46.35	70.52	176.9	508.6
#1	.0002	-.0001	-.0002	.0001	.0003	-.0001	.0001	.0000	.0000
#2	-.0002	.0000	-.0001	.0001	.0002	-.0002	.0000	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0016**	**.0003**	**-.0001**	**-.0004**	**.0021**	**.0003**	**.0054**	**.0170**
Stddev	.0002	.0000	.0000	.0012	.0003	.0001	.0019	.0005	.0172
%RSD	465.4	1.840	8.940	1844.	88.16	2.493	756.0	10.02	101.2
#1	-.0001	.0015	.0003	.0008	-.0001	.0021	.0016	.0057	.0291
#2	.0002	.0016	.0003	-.0009	-.0006	.0022	-.0011	.0050	.0048

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0086**	**.0094**	**.0205**	**-.0182**	**-.0003**	**-.0004**	**-.0003**	**.0504**	**-.0003**
Stddev	.0006	.0006	.0124	.0006	.0003	.0000	.0002	.0004	.0002
%RSD	6.771	6.370	60.51	3.049	98.92	3.587	93.33	.7315	50.81
#1	.0081	.0099	.0117	-.0186	-.0001	-.0004	-.0004	.0501	-.0002
#2	.0090	.0090	.0293	-.0178	-.0005	-.0004	-.0001	.0507	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0001**	**-.0125**	**-.0005**	**.0175**	**-.0006**	**.0000**
Stddev	.0000	.0001	.0001	.0000	.0003	.0007	.0007
%RSD	27.24	61.49	.5301	3.778	1.749	121.7	1822.
#1	-.0001	.0001	-.0125	-.0005	.0173	-.0011	.0005
#2	-.0001	.0001	-.0124	-.0005	.0177	-.0001	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112640.**	*****	**2185.9**	**7184.9**
Stddev	90.	-----	12.5	26.3
%RSD	.07949	-----	.57069	.36643
#1	112710.	-----	2194.8	7203.5
#2	112580.	14503.	2177.1	7166.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 1:52:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.009**	**2.016**	**2.024**	**2.032**	**1.971**	**2.054**	**2.041**	**.2419**
Stddev	.004	.003	.001	.000	.007	.006	.006	.002	.0009
%RSD	.1734	.1479	.0458	.0090	.3393	.3225	.3163	.1030	.3883
#1	2.030	2.011	2.016	2.024	2.037	1.975	2.059	2.043	.2426
#2	2.025	2.007	2.015	2.024	2.027	1.966	2.049	2.040	.2413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.054**	**1.990**	**2.100**	**2.040**	**2.009**	**1.990**	**39.37**	**40.27**
Stddev	.007	.001	.003	.013	.001	.004	.001	.07	.10
%RSD	.3653	.0297	.1348	.6124	.0429	.2112	.0227	.1859	.2389
#1	2.000	2.054	1.991	2.109	2.041	2.012	1.990	39.42	40.33
#2	1.989	2.055	1.988	2.091	2.040	2.006	1.989	39.31	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	**38.99**	**39.21**	**40.97**	**40.29**	**2.017**	**2.025**	**1.986**	**4.968**	**2.059**
Stddev	.09	.11	.09	.07	.005	.000	.005	.001	.002
%RSD	.2205	.2740	.2259	.1812	.2571	.0002	.2400	.0220	.0829
#1	39.05	39.29	41.04	40.35	2.020	2.025	1.989	4.968	2.060
#2	38.93	39.14	40.90	40.24	2.013	2.025	1.983	4.969	2.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 1:52:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.070**	**2.018**	**1.863**	**2.006**	**1.952**	**1.998**	**2.034**
Stddev	.006	.006	.021	.004	.006	.002	.003
%RSD	.3120	.2813	1.105	.2086	.3347	.1165	.1363
#1	2.075	2.022	1.848	2.009	1.957	2.000	2.036
#2	2.066	2.014	1.877	2.003	1.948	1.997	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106210.**	**14391.**	**2114.6**	**6516.8**
Stddev	426.	8.	1.5	6.2
%RSD	.40117	.05665	.07038	.09447
#1	105910.	14385.	2113.5	6512.4
#2	106510.	14397.	2115.6	6521.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 1:58:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	F **.0009**	**.0009**	**.0008**	**.0006**	**.0009**	**.0009**	**-.0001**
Stddev	.0001	.0000	.0000	.0001	.0002	.0000	.0000	.0002	.0004
%RSD	15.39	2.032	.7505	10.81	20.33	.2902	5.529	27.60	568.4
#1	.0007	.0006	.0009	.0010	.0009	.0006	.0008	.0007	.0002
#2	.0009	.0006	.0009	.0009	.0007	.0006	.0009	.0010	-.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0010**	**.0016**	**.0005**	**.0007**	**.0026**	**.0003**	**.0140**	**.0118**
Stddev	.0003	.0001	.0010	.0005	.0009	.0011	.0017	.0049	.0026
%RSD	30.48	14.02	64.27	91.66	124.5	41.43	636.7	35.10	22.00
#1	.0007	.0011	.0009	.0008	.0001	.0019	.0015	.0105	.0100
#2	.0012	.0009	.0023	.0002	.0013	.0034	-.0009	.0174	.0137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0153**	**.0348**	**.0461**	**.0025**	**.0010**	F **.0023**	**.0004**	**.0047**	**.0009**
Stddev	.0013	.0081	.0250	.0036	.0005	.0006	.0000	.0003	.0001
%RSD	8.611	23.30	54.26	143.4	52.29	25.15	6.124	7.359	16.85
#1	.0143	.0405	.0639	.0051	.0014	.0027	.0004	.0050	.0010
#2	.0162	.0290	.0284	.0000	.0006	.0019	.0005	.0045	.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 1:58:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0009**	**.0116**	F **.0013**	**.0016**	**.0007**	F **.0020**
Stddev	.0001	.0001	.0014	.0000	.0001	.0004	.0006
%RSD	23.71	16.32	11.74	1.438	6.738	50.09	28.39
#1	.0005	.0010	.0126	.0013	.0015	.0005	.0016
#2	.0007	.0008	.0107	.0013	.0017	.0010	.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit				.0010			.0020
Low Limit				-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111780.**	**14414.**	**2201.8**	**7237.0**
Stddev	96.	48.	2.6	10.6
%RSD	.08583	.33364	.11623	.14600
#1	111710.	14380.	2203.7	7244.5
#2	111850.	14448.	2200.0	7229.6

Zoom In Zoom Out

Sample Name: jb68542-6conf Acquired: 6/11/2014 2:05:17 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0016**	**-.0001**	**-.0001**	**.0001**	**.0002**	**.0000**	**.0000**	**-.0003**	**-.0002**
Stddev	.0002	.0000	.0000	.0000	.0000	.000	.0000	.0001	.0001
%RSD	11.70	47.71	16.19	35.69	3.514	4907.	1175.	49.81	58.43
#1	.0014	.0000	-.0001	.0001	.0002	.0002	.0000	-.0002	-.0003
#2	.0017	-.0001	-.0001	.0001	.0002	-.0003	.0000	-.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0013**	**.0034**	**.0003**	**-.0004**	**.0004**	**.0004**	**.0086**	**.0505**
Stddev	.0002	.0001	.0000	.0011	.0003	.0004	.0000	.0097	.0032
%RSD	153.5	9.136	.8724	404.9	60.36	118.3	6.279	112.8	6.360
#1	.0000	.0012	.0034	.0011	-.0006	.0007	.0004	.0155	.0482
#2	.0003	.0013	.0034	-.0005	-.0002	.0001	.0004	.0017	.0528

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0071**	**.0124**	**.0519**	**.2155**	**.0407**	**.0004**	**.0002**	**.1885**	**-.0002**
Stddev	.0004	.0173	.0078	.0062	.0003	.0000	.0004	.0027	.0007
%RSD	6.071	139.6	15.00	2.855	.7013	2.128	237.0	1.432	346.9
#1	.0074	.0247	.0464	.2112	.0405	.0004	.0004	.1866	-.0007
#2	.0068	.0002	.0574	.2199	.0410	.0004	-.0001	.1904	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**.0053**	**.0012**	**.0219**	**-.0015**	**.0007**
Stddev	.0000	.0002	.0001	.0000	.0008	.0001	.0005
%RSD	102.5	53.21	1.080	3.997	3.438	8.263	67.52
#1	.0000	.0002	.0053	.0011	.0214	-.0014	.0004
#2	.0000	.0004	.0053	.0012	.0224	-.0016	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111770.**	**14644.**	**2213.0**	**7293.2**
Stddev	1362.	5.	26.1	77.8
%RSD	1.2189	.03190	1.1810	1.0664
#1	112730.	14641.	2231.5	7348.1
#2	110810.	14648.	2194.5	7238.2

Zoom In Zoom Out

Sample Name: jb68561-6 Acquired: 6/11/2014 2:11:34 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**-.0001**	**.0002**	**.0000**	**.0000**	**-.0001**	**-.0001**
Stddev	.0000	.000	.0003	.0005	.0002	.0002	.000	.0003	.0000
%RSD	15.24	61.67	3216.	434.4	66.29	653.5	102.8	299.1	32.23
#1	.0002	.0000	.0002	.0003	.0003	-.0001	.0000	.0001	-.0001
#2	.0002	-.0001	-.0002	-.0005	.0001	.0001	.0000	-.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0014**	**.0001**	**-.0004**	**-.0006**	**.0021**	**.0002**	**-.0030**	**.0038**
Stddev	.0001	.0001	.0000	.0012	.0002	.0001	.0004	.0013	.0002
%RSD	121.8	8.585	36.92	278.5	40.29	4.287	246.8	45.14	6.236
#1	.0000	.0015	.0001	-.0012	-.0004	.0022	-.0001	-.0039	.0036
#2	.0001	.0013	.0001	.0004	-.0008	.0021	.0004	-.0020	.0040

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0055**	**-.0056**	**.0329**	**-.0209**	**.0001**	**.0001**	**-.0009**	**.0507**	**-.0002**
Stddev	.0022	.0066	.0298	.0003	.0007	.0000	.0002	.0013	.0006
%RSD	39.91	118.6	90.57	1.633	1166.	35.29	24.67	2.515	397.0
#1	.0040	-.0009	.0540	-.0212	-.0004	.0001	-.0011	.0498	.0003
#2	.0071	-.0102	.0118	-.0207	.0006	.0001	-.0008	.0516	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**.0011**	**.0005**	**.0173**	**.0004**	**.0007**
Stddev	.0001	.0002	.0006	.0002	.0001	.0008	.0002
%RSD	204.6	145.5	50.58	36.46	.7462	211.5	28.64
#1	.0000	.0000	.0015	.0006	.0172	-.0002	.0006
#2	-.0001	-.0003	.0007	.0004	.0174	.0009	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112560.**	**14531.**	**2184.3**	**7207.9**
Stddev	227.	89.	7.1	15.6
%RSD	.20190	.61173	.32641	.21603
#1	112720.	14469.	2189.3	7218.9
#2	112400.	14594.	2179.3	7196.9

Zoom In Zoom Out

Sample Name: jb68611-11 Acquired: 6/11/2014 2:17:50 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0013**	**.0000**	**-.0001**	**.0000**	**.0000**	**-.0001**	**.0003**	**-.0001**	**.0000**
Stddev	.0001	.000	.0000	.0000	.0000	.0001	.0001	.0002	.000
%RSD	9.446	24.60	30.59	84.96	64.80	126.9	21.66	175.4	706.5
#1	.0014	-.0001	-.0001	.0001	.0000	.0000	.0003	.0000	-.0002
#2	.0012	.0000	-.0001	.0000	.0000	-.0002	.0004	-.0003	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0016**	**.0002**	**.0017**	**-.0001**	**.0026**	**.0002**	**.0035**	**.0513**
Stddev	.0002	.0001	.0005	.0008	.0003	.0010	.0000	.0097	.0022
%RSD	346.1	4.004	233.4	48.40	186.4	40.39	10.34	276.7	4.207
#1	.0002	.0016	-.0001	.0011	.0000	.0033	.0001	.0104	.0528
#2	-.0001	.0017	.0006	.0023	-.0003	.0018	.0002	-.0034	.0498

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0069**	**.0349**	**.0248**	**.1690**	**.0044**	**-.0003**	**-.0002**	**.0325**	**-.0005**
Stddev	.0023	.0049	.0537	.0026	.0001	.0003	.0015	.0008	.0000
%RSD	33.61	14.01	216.8	1.539	1.238	74.75	836.6	2.522	4.500
#1	.0086	.0383	-.0132	.1671	.0044	-.0002	.0009	.0319	-.0005
#2	.0053	.0314	.0627	.1708	.0043	-.0005	-.0013	.0331	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0030**	**.0002**	**.0253**	**-.0009**	**.0005**
Stddev	.0000	.000	.0005	.0000	.0014	.0002	.0005
%RSD	22.17	723.2	17.48	7.430	5.428	25.73	112.0
#1	.0000	-.0003	-.0027	.0002	.0243	-.0007	.0001
#2	.0001	.0002	-.0034	.0002	.0263	-.0010	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112050.**	**14617.**	**2186.6**	**7200.0**
Stddev	105.	43.	1.5	.6
%RSD	.09352	.29237	.07062	.00805
#1	111970.	14587.	2185.5	7200.4
#2	112120.	14648.	2187.7	7199.6

Zoom In Zoom Out

Sample Name: jb68611-12 Acquired: 6/11/2014 2:24:08 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**-.0001**	**.0002**	**.0000**	**.0000**	**-.0004**	**.0002**
Stddev	.0000	.0000	.0000	.0000	.0000	.000	.0000	.0000	.0002
%RSD	8.164	16.83	58.73	59.79	9.904	292.0	176.9	3.358	97.05
#1	.0002	-.0001	.0000	-.0001	.0001	-.0001	.0001	-.0004	.0003
#2	.0002	-.0001	.0001	.0000	.0002	.0000	.0000	-.0003	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**-.0002**	**-.0001**	**-.0004**	**.0017**	**-.0006**	**-.0032**	**.0038**
Stddev	.0001	.0001	.0005	.0008	.0002	.0019	.0005	.0050	.0000
%RSD	99.37	5.836	212.1	634.9	35.87	112.2	83.54	154.3	.8154
#1	.0000	.0011	-.0005	-.0007	-.0005	.0031	-.0003	.0003	.0037
#2	.0001	.0010	.0001	.0004	-.0003	.0004	-.0010	-.0067	.0038

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0039**	**.0169**	**.0084**	**-.0219**	**-.0001**	**-.0004**	**-.0006**	**.0237**	**-.0003**
Stddev	.0014	.0040	.0172	.0046	.0003	.0001	.0008	.0004	.0007
%RSD	35.54	23.63	205.1	21.20	239.8	18.97	145.1	1.745	210.8
#1	.0048	.0197	-.0038	-.0251	-.0004	-.0003	-.0012	.0240	-.0008
#2	.0029	.0141	.0206	-.0186	.0001	-.0004	.0000	.0234	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0066**	**.0001**	**.0228**	**-.0004**	**.0009**
Stddev	.0000	.0002	.0002	.0001	.0006	.0004	.0000
%RSD	7.090	257.7	3.394	99.83	2.694	102.3	1.700
#1	-.0001	.0001	-.0064	.0000	.0232	-.0006	.0008
#2	-.0001	-.0002	-.0067	.0001	.0224	-.0001	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112270.**	**14624.**	**2188.3**	**7205.4**
Stddev	49.	54.	4.6	8.4
%RSD	.04350	.36924	.20957	.11652
#1	112300.	14662.	2191.5	7211.4
#2	112230.	14586.	2185.0	7199.5

Zoom In Zoom Out

Sample Name: jb68611-13 Acquired: 6/11/2014 2:30:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**-.0001**	**-.0002**	**.0002**	**.0000**	**.0029**	**.0005**	**-.0001**	**.0001**
Stddev	.0000	.0000	.0000	.0002	.000	.0000	.0000	.0001	.0002
%RSD	2.213	54.44	19.03	104.1	1505.	.1390	1.374	59.91	117.1
#1	.0011	.0000	-.0001	.0004	-.0002	.0029	.0005	-.0002	.0000
#2	.0010	-.0001	-.0002	.0001	.0002	.0029	.0005	-.0001	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0021**	**-.0005**	**-.0002**	**-.0003**	**.0041**	**.0002**	**.0013**	**.0638**
Stddev	.0000	.0002	.0014	.0007	.0001	.0004	.0010	.0033	.0019
%RSD	12.84	7.250	264.9	318.4	32.05	10.44	476.6	263.1	2.995
#1	.0002	.0023	.0004	-.0007	-.0003	.0038	.0009	-.0011	.0625
#2	.0002	.0020	-.0015	.0003	-.0002	.0044	-.0005	.0036	.0652

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0144**	**.0314**	**.0008**	**.1593**	**.0039**	**-.0004**	**-.0001**	**.0998**	**.0006**
Stddev	.0002	.0078	.0187	.0065	.0003	.0001	.0002	.0011	.0003
%RSD	1.362	24.72	2271.	4.099	8.275	12.97	142.8	1.098	42.36
#1	.0146	.0259	-.0124	.1639	.0041	-.0005	-.0002	.1006	.0005
#2	.0143	.0369	.0140	.1547	.0037	-.0004	.0000	.0990	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0007**	**-.0085**	**.0002**	**.0268**	**.0004**	**.0011**
Stddev	.0000	.0001	.0006	.0000	.0008	.0003	.0006
%RSD	10.30	12.05	6.891	28.53	2.953	71.97	54.29
#1	.0001	.0008	-.0081	.0002	.0274	.0002	.0007
#2	.0000	.0007	-.0089	.0001	.0263	.0006	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112530.**	**14583.**	**2210.7**	**7281.7**
Stddev	46.	129.	21.6	63.0
%RSD	.04108	.88648	.97497	.86546
#1	112560.	14492.	2195.4	7237.1
#2	112490.	14675.	2225.9	7326.3

Zoom In Zoom Out

Sample Name: jb68583-18 Acquired: 6/11/2014 2:36:43 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0001**	**.0001**	**.0004**	**.0001**	**.0001**	**.0000**	**.0001**
Stddev	.0000	.0001	.0000	.0001	.0001	.0001	.0000	.000	.0001
%RSD	12.45	55.11	11.67	147.0	34.83	55.01	36.67	332.9	123.6
#1	.0003	-.0001	-.0001	.0002	.0004	.0001	.0001	.0000	.0002
#2	.0002	-.0001	-.0002	.0000	.0003	.0002	.0001	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0015**	**-.0002**	**-.0006**	**.0003**	**.0021**	**.0002**	**.0045**	**.0110**
Stddev	.000	.0000	.0004	.0004	.0004	.0007	.0003	.0066	.0011
%RSD	219.0	1.513	170.2	62.43	134.2	31.20	190.4	147.7	10.28
#1	-.0001	.0014	-.0005	-.0003	.0006	.0026	-.0001	.0091	.0118
#2	.0000	.0015	.0000	-.0008	.0000	.0016	.0004	-.0002	.0102

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0166**	**.0186**	**-.0040**	**-.0189**	**-.0002**	**-.0005**	**-.0001**	**.0788**	**.0004**
Stddev	.0004	.0054	.0082	.0054	.0003	.0000	.0008	.0001	.0004
%RSD	2.216	29.05	204.6	28.57	140.1	7.869	829.3	.1185	111.2
#1	.0164	.0224	-.0098	-.0227	.0000	-.0006	-.0006	.0789	.0006
#2	.0169	.0148	.0018	-.0151	-.0005	-.0005	.0004	.0788	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0093**	**-.0001**	**.0177**	**-.0005**	**.0003**
Stddev	.000	.0002	.0000	.0001	.0004	.0004	.0002
%RSD	128.8	161.9	.1218	54.08	2.507	89.32	58.59
#1	.0000	.0000	-.0093	-.0001	.0174	-.0002	.0002
#2	.0000	.0003	-.0093	-.0002	.0180	-.0008	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112110.**	**14502.**	**2185.8**	**7213.1**
Stddev	79.	24.	.1	.9
%RSD	.07086	.16502	.00236	.01238
#1	112170.	14485.	2185.8	7213.7
#2	112060.	14519.	2185.8	7212.4

Zoom In Zoom Out

Sample Name: mp79945-mb1 2 Acquired: 6/11/2014 2:43:00 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0000**	**.0003**	**-.0001**	**.0002**	**.0000**	**.0000**	**-.0001**
Stddev	.0002	.0000	.000	.0001	.0003	.0002	.000	.0001	.0003
%RSD	82.31	36.95	6.327	48.00	392.1	109.4	1778.	910.6	354.6
#1	.0003	.0000	.0000	.0004	.0001	.0000	.0000	.0001	.0001
#2	.0001	-.0001	.0000	.0002	-.0003	.0003	.0000	-.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0041**	**-.0002**	**.0003**	**.0000**	**.0035**	**-.0005**	**.0056**	**.0143**
Stddev	.0001	.0001	.0007	.0000	.001	.0029	.0002	.0088	.0000
%RSD	83.06	1.367	361.2	10.11	1912.	84.09	31.78	158.7	.0201
#1	.0001	.0042	-.0007	.0003	-.0006	.0014	-.0006	.0118	.0143
#2	.0002	.0041	.0003	.0003	.0006	.0055	-.0004	-.0007	.0143

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0056**	**-.0047**	**.0215**	**-.0162**	**-.0004**	**-.0006**	**.0001**	**.0067**	**-.0006**
Stddev	.0003	.0208	.0026	.0052	.0006	.0000	.0004	.0002	.0010
%RSD	5.488	441.1	11.93	31.91	174.6	6.000	800.7	2.762	166.2
#1	.0054	.0100	.0233	-.0126	.0001	-.0006	.0004	.0066	.0001
#2	.0058	-.0194	.0197	-.0199	-.0008	-.0006	-.0003	.0068	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0131**	**-.0003**	**.0037**	**.0001**	**.0006**
Stddev	.0000	.0001	.0004	.0000	.0011	.0001	.0006
%RSD	25.10	42.25	3.094	.6243	31.40	139.4	93.79
#1	.0000	.0002	-.0128	-.0003	.0028	.0002	.0010
#2	-.0001	.0001	-.0134	-.0003	.0045	.0000	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112380.**	**14550.**	**2198.2**	**7240.3**
Stddev	1512.	18.	.2	9.8
%RSD	1.3457	.12620	.00833	.13505
#1	111310.	14562.	2198.1	7233.3
#2	113450.	14537.	2198.4	7247.2

Zoom In Zoom Out

Sample Name: mp79945-lc1 Acquired: 6/11/2014 2:49:17 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5044**	**.4727**	**.4739**	**.4596**	**.4804**	**.4507**	**.4918**	**.4747**	**.1976**
Stddev	.0001	.0007	.0016	.0013	.0028	.0023	.0012	.0005	.0003
%RSD	.0198	.1482	.3329	.2875	.5914	.5039	.2353	.1140	.1722
#1	.5043	.4722	.4728	.4587	.4824	.4491	.4926	.4743	.1979
#2	.5045	.4732	.4750	.4606	.4784	.4523	.4909	.4751	.1974

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4574**	**.4900**	**.4703**	**.5182**	**.4786**	**.5109**	**.4625**	**4.891**	**5.514**
Stddev	.0008	.0020	.0002	.0013	.0002	.0010	.0023	.009	.004
%RSD	.1828	.3987	.0418	.2427	.0393	.2021	.4952	.1873	.0669
#1	.4580	.4886	.4704	.5173	.4787	.5116	.4608	4.885	5.516
#2	.4568	.4914	.4701	.5191	.4784	.5101	.4641	4.898	5.511

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.408**	**5.299**	**10.21**	**10.05**	**.0121**	**.4708**	**-.0013**	**.0101**	**.0007**
Stddev	.011	.005	.03	.01	.0006	.0007	.0001	.0009	.0002
%RSD	.2046	.1001	.3141	.1323	5.128	.1382	4.664	8.413	22.05
#1	5.400	5.303	10.18	10.04	.0117	.4704	-.0012	.0095	.0006
#2	5.415	5.295	10.23	10.05	.0126	.4713	-.0013	.0107	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4820**	**-.0092**	**.0059**	**.0030**	**-.0009**	**.0013**
Stddev	.0000	.0005	.0004	.0002	.0009	.0003	.0006
%RSD	33.17	.1042	4.631	4.052	31.10	36.22	45.21
#1	-.0002	.4824	-.0089	.0061	.0023	-.0011	.0017
#2	-.0001	.4816	-.0095	.0058	.0037	-.0006	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109710.**	**14554.**	**2145.7**	**6906.2**
Stddev	230.	38.	2.3	4.8
%RSD	.20955	.26283	.10848	.07022
#1	109550.	14581.	2147.3	6909.6
#2	109870.	14527.	2144.0	6902.7

Zoom In Zoom Out

Sample Name: mp79945-s1 Acquired: 6/11/2014 2:55:22 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.932**	**.0481**	**.0668**	**.5965**	**54.47**	**.5528**	**.7838**	**.6532**	**.0507**
Stddev	.003	.0001	.0001	.0006	.15	.0015	.0022	.0010	.0001
%RSD	.1326	.1334	.2123	.0939	.2822	.2755	.2843	.1593	.2316
#1	1.930	.0482	.0669	.5961	54.57	.5518	.7854	.6525	.0508
#2	1.934	.0481	.0667	.5969	54.36	.5539	.7822	.6540	.0506

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4564**	**.6778**	**2.288**	**2.178**	**.5303**	**2.457**	**.7164**	**1.928**	**126.6**
Stddev	.0007	.0005	.005	.001	.0005	.004	.0018	.012	.3
%RSD	.1449	.0756	.2071	.0304	.0930	.1751	.2552	.6428	.2028
#1	.4559	.6775	2.285	2.178	.5307	2.454	.7151	1.919	126.7
#2	.4568	.6782	2.291	2.179	.5300	2.460	.7177	1.937	126.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.072**	**47.71**	**33.53**	**237.9**	**.6469**	**.0175**	**-.0056**	**11.04**	**-.0040**
Stddev	.002	.07	.01	.6	.0013	.0000	.0001	.01	.0003
%RSD	.2229	.1508	.0325	.2407	.2058	.1808	2.000	.0795	7.163
#1	1.070	47.77	33.54	238.3	.6460	.0175	-.0056	11.03	-.0038
#2	1.074	47.66	33.52	237.5	.6479	.0175	-.0057	11.04	-.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3094**	**.0054**	**-.0121**	**-.0056**	**91.63**	**.0766**	**.0135**
Stddev	.0010	.0004	.0013	.0001	.13	.0001	.0001
%RSD	.3244	7.115	10.53	1.924	.1369	.1224	.6156
#1	.3087	.0057	-.0112	-.0057	91.71	.0765	.0136
#2	.3101	.0051	-.0130	-.0055	91.54	.0766	.0134

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106600.**	**15282.**	**1872.3**	**5902.3**
Stddev	104.	42.	2.7	5.2
%RSD	.09780	.27620	.14488	.08856
#1	106520.	15252.	1874.3	5906.0
#2	106670.	15312.	1870.4	5898.6

Zoom In Zoom Out

Sample Name: mp79945-s2 Acquired: 6/11/2014 3:01:36 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.916**	**.0480**	**.0662**	**.5919**	**53.96**	**.5435**	**.7763**	**.6473**	**.0508**
Stddev	.001	.0001	.0000	.0022	.29	.0017	.0010	.0009	.0005
%RSD	.0712	.2299	.0398	.3763	.5378	.3218	.1275	.1432	.9435
#1	1.915	.0479	.0662	.5904	54.16	.5422	.7770	.6466	.0512
#2	1.917	.0480	.0662	.5935	53.75	.5447	.7756	.6479	.0505

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4507**	**.6747**	**2.268**	**2.164**	**.5271**	**2.436**	**.7093**	**1.906**	**125.3**
Stddev	.0006	.0003	.003	.001	.0004	.006	.0067	.000	.2
%RSD	.1363	.0454	.1417	.0595	.0683	.2402	.9391	.0203	.1329
#1	.4511	.6749	2.266	2.163	.5269	2.432	.7046	1.906	125.2
#2	.4502	.6745	2.270	2.165	.5274	2.440	.7140	1.906	125.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.067**	**47.33**	**33.37**	**234.6**	**.6403**	**.0170**	**-.0059**	**10.86**	**-.0030**
Stddev	.001	.14	.05	.9	.0024	.0002	.0001	.02	.0002
%RSD	.0632	.3056	.1560	.3767	.3807	1.298	1.096	.1928	8.301
#1	1.066	47.23	33.34	234.0	.6386	.0169	-.0059	10.84	-.0031
#2	1.067	47.43	33.41	235.3	.6420	.0172	-.0059	10.87	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3057**	**.0048**	**-.0138**	**-.0056**	**90.26**	**.0756**	**.0132**
Stddev	.0004	.0004	.0012	.0003	.15	.0013	.0002
%RSD	.1317	8.491	8.702	5.508	.1710	1.683	1.318
#1	.3060	.0045	-.0146	-.0058	90.15	.0765	.0133
#2	.3054	.0051	-.0129	-.0053	90.36	.0747	.0131

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107290.**	**15400.**	**1888.9**	**5948.5**
Stddev	162.	63.	3.3	14.8
%RSD	.15066	.40683	.17411	.24885
#1	107180.	15444.	1891.3	5959.0
#2	107410.	15355.	1886.6	5938.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 3:07:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.011**	**2.024**	**2.029**	**2.037**	**1.991**	**2.067**	**2.046**	**.2430**
Stddev	.001	.010	.003	.003	.005	.002	.004	.003	.0007
%RSD	.0583	.5125	.1578	.1371	.2328	.0893	.2052	.1380	.2929
#1	2.026	2.018	2.022	2.027	2.040	1.990	2.070	2.044	.2435
#2	2.025	2.004	2.027	2.031	2.033	1.992	2.064	2.048	.2425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.060**	**1.998**	**2.108**	**2.044**	**2.019**	**2.001**	**39.56**	**40.03**
Stddev	.004	.005	.001	.008	.001	.007	.001	.16	.13
%RSD	.1831	.2616	.0252	.3745	.0291	.3643	.0299	.4102	.3209
#1	2.017	2.056	1.998	2.114	2.043	2.024	2.001	39.67	40.12
#2	2.012	2.063	1.999	2.103	2.044	2.014	2.000	39.44	39.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.90**	**38.94**	**40.97**	**40.37**	**2.027**	**2.034**	**1.997**	**4.994**	**2.064**
Stddev	.19	.12	.11	.12	.001	.002	.002	.002	.002
%RSD	.4929	.3125	.2606	.2927	.0461	.0890	.1023	.0329	.0853
#1	39.03	39.02	41.04	40.45	2.026	2.032	1.996	4.993	2.063
#2	38.76	38.85	40.89	40.29	2.027	2.035	1.999	4.995	2.065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 3:07:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.065**	**2.031**	**1.867**	**2.013**	**1.968**	**2.011**	**2.030**
Stddev	.004	.002	.028	.000	.012	.001	.006
%RSD	.2186	.0719	1.475	.0022	.6173	.0691	.2993
#1	2.068	2.032	1.848	2.013	1.976	2.010	2.034
#2	2.061	2.030	1.887	2.013	1.959	2.012	2.026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105480.**	**14376.**	**2103.2**	**6486.8**
Stddev	34.	120.	2.2	7.7
%RSD	.03213	.83664	.10363	.11897
#1	105500.	14291.	2104.7	6492.3
#2	105450.	14461.	2101.7	6481.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 3:13:55 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0007**	F **.0008**	**.0013**	F **.0017**	**.0009**	**.0009**	**.0010**	**-.0004**
Stddev	.0000	.0000	.0002	.0002	.0001	.0001	.0001	.0003	.0003
%RSD	1.681	2.017	19.66	16.75	5.723	8.318	8.638	26.99	79.43
#1	.0010	.0007	.0009	.0015	.0018	.0010	.0009	.0012	-.0002
#2	.0009	.0007	.0007	.0012	.0017	.0009	.0010	.0008	-.0006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006		.0012				
Low Limit			-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0012**	**.0018**	**.0007**	**.0007**	**.0019**	**.0005**	**.0178**	**.0172**
Stddev	.0004	.0001	.0003	.0001	.0003	.0005	.0004	.0001	.0018
%RSD	43.00	11.53	15.89	11.00	43.55	27.04	81.66	.6229	10.67
#1	.0007	.0013	.0016	.0007	.0009	.0015	.0008	.0179	.0159
#2	.0012	.0011	.0020	.0006	.0005	.0023	.0002	.0177	.0185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0198**	**.0414**	**.0603**	**.0348**	**.0018**	F **.0024**	**.0001**	**.0045**	**.0002**
Stddev	.0021	.0093	.0099	.0020	.0004	.0005	.0008	.0002	.0004
%RSD	10.83	22.44	16.40	5.633	23.81	19.23	756.4	5.389	179.3
#1	.0183	.0349	.0533	.0362	.0021	.0027	.0007	.0047	-.0001
#2	.0214	.0480	.0673	.0334	.0015	.0021	-.0005	.0043	.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 3:13:55 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0009**	**.0114**	F **.0015**	**.0034**	**.0012**	**.0014**
Stddev	.0000	.0001	.0032	.0000	.0020	.0009	.0006
%RSD	4.454	12.89	28.34	1.432	59.38	73.32	44.42
#1	.0007	.0010	.0137	.0016	.0049	.0018	.0018
#2	.0008	.0008	.0091	.0015	.0020	.0006	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112460.**	**14475.**	**2197.9**	**7233.3**
Stddev	70.	106.	4.1	8.9
%RSD	.06203	.73198	.18552	.12366
#1	112510.	14550.	2200.8	7239.6
#2	112410.	14401.	2195.0	7227.0

Zoom In Zoom Out

Sample Name: jb68332-2fa Acquired: 6/11/2014 3:20:14 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0306**	**.0001**	**.0129**	**.0800**	**54.06**	**.3109**	**.2964**	**.1263**	**-.0002**
Stddev	.0001	.0001	.0002	.0000	.01	.0002	.0007	.0007	.0005
%RSD	.1760	57.25	1.262	.0414	.0219	.0603	.2495	.5534	266.2
#1	.0306	.0001	.0128	.0800	54.05	.3108	.2959	.1258	-.0005
#2	.0305	.0001	.0130	.0800	54.07	.3110	.2969	.1268	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0068**	**.1331**	**.0111**	**-.0140**	**.0105**	**.0067**	**.1629**	**.0412**	**102.7**
Stddev	.0002	.0003	.0010	.0007	.0002	.0032	.0022	.0019	.2
%RSD	3.443	.2187	9.251	5.106	1.815	48.36	1.321	4.561	.2086
#1	-.0066	.1329	.0118	-.0145	.0104	.0044	.1644	.0399	102.6
#2	-.0070	.1333	.0103	-.0135	.0107	.0089	.1614	.0425	102.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1173**	**24.26**	**8.632**	**213.8**	**.6365**	**.0180**	**-.0045**	**10.72**	**-.0029**
Stddev	.0013	.04	.017	3.7	.0002	.0001	.0004	.01	.0000
%RSD	1.093	.1674	.1986	1.742	.0242	.4742	7.940	.0517	.0321
#1	.1164	24.23	8.620	211.2	.6366	.0180	-.0042	10.72	-.0029
#2	.1182	24.29	8.644	216.4	.6364	.0179	-.0047	10.72	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3042**	**.0045**	**.0009**	**-.0051**	**89.25**	**.0763**	**.0133**
Stddev	.0001	.0003	.0009	.0000	.02	.0005	.0003
%RSD	.0342	6.005	101.6	.7391	.0275	.6366	2.299
#1	.3041	.0047	.0016	-.0051	89.26	.0759	.0130
#2	.3043	.0043	.0003	-.0051	89.23	.0766	.0135

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107800.**	**15338.**	**1903.5**	**6025.3**
Stddev	31.	90.	.0	.1
%RSD	.02899	.58479	.00016	.00162
#1	107830.	15401.	1903.5	6025.3
#2	107780.	15274.	1903.5	6025.4

Zoom In Zoom Out

Sample Name: mp79945-sd1 Acquired: 6/11/2014 3:26:34 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0314**	**-.0002**	**.0124**	**.0769**	**61.49**	**.3205**	**.3183**	**.1261**	**-.0006**
Stddev	.0004	.0002	.0005	.0003	.04	.0020	.0003	.0000	.0004
%RSD	1.207	90.13	4.311	.4188	.0638	.6098	.0859	.0383	70.57
#1	.0317	-.0001	.0120	.0767	61.47	.3191	.3181	.1261	-.0003
#2	.0311	-.0004	.0128	.0771	61.52	.3218	.3185	.1262	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0038**	**.1529**	**.0076**	**-.0123**	**.0169**	**.0248**	**.0484**	**.0565**	**105.6**
Stddev	.0006	.0008	.0009	.0004	.0049	.0002	.0028	.0027	1.8
%RSD	15.24	.5245	11.35	3.161	29.06	.8556	5.883	4.745	1.704
#1	.0034	.1523	.0070	-.0126	.0204	.0246	.0464	.0583	104.4
#2	.0042	.1534	.0082	-.0120	.0135	.0249	.0504	.0546	106.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1258**	**25.14**	**8.757**	**220.9**	**.6060**	**.0161**	**-.0067**	**10.22**	**.0032**
Stddev	.0042	.31	.189	3.5	.0014	.0004	.0064	.03	.0008
%RSD	3.306	1.253	2.160	1.580	.2302	2.326	94.70	.2543	23.71
#1	.1229	24.91	8.623	218.4	.6050	.0158	-.0022	10.21	.0038
#2	.1288	25.36	8.891	223.3	.6070	.0163	-.0112	10.24	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3094**	**.0036**	**-.0308**	**-.0073**	**83.27**	**.0774**	**.0177**
Stddev	.0057	.0003	.0025	.0003	.18	.0002	.0066
%RSD	1.835	7.925	8.197	4.560	.2154	.2759	37.36
#1	.3054	.0038	-.0291	-.0075	83.14	.0773	.0130
#2	.3135	.0034	-.0326	-.0071	83.39	.0776	.0224

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109840.**	**15237.**	**2107.4**	**6714.3**
Stddev	384.	223.	2.1	5.0
%RSD	.34946	1.4644	.10140	.07379
#1	110110.	15395.	2108.9	6717.8
#2	109570.	15080.	2105.8	6710.8

Zoom In Zoom Out

Sample Name: jb68336-21f Acquired: 6/11/2014 3:32:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4266**	**.0000**	**.0005**	**.0028**	**.0026**	**.0008**	**3.712**	**.0014**	**-.0006**
Stddev	.0005	.0000	.0003	.0001	.0000	.0000	.007	.0001	.0001
%RSD	.1096	27.68	54.37	4.265	1.298	3.703	.2017	8.016	24.04
#1	.4269	.0000	.0007	.0028	.0026	.0008	3.717	.0013	-.0005
#2	.4263	.0000	.0003	.0027	.0026	.0008	3.706	.0015	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**-.0050**	**.0100**	**.0018**	**.0009**	**.0122**	**-.0002**	**.0006**	**141.5**
Stddev	.0002	.0001	.0007	.0003	.0005	.0013	.0003	.0021	.2
%RSD	74.15	2.549	6.535	16.25	54.84	10.96	182.7	347.6	.1160
#1	-.0004	-.0051	.0104	.0016	.0012	.0113	.0001	.0021	141.4
#2	-.0001	-.0049	.0095	.0020	.0005	.0132	-.0004	-.0009	141.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.51**	**59.29**	**6.445**	**473.4**	**.0485**	**-.0021**	**-.0055**	**16.85**	**.0013**
Stddev	.02	.05	.026	.2	.0001	.0000	.0027	.03	.0009
%RSD	.0436	.0916	.4107	.0494	.1060	1.071	50.05	.1958	67.57
#1	48.49	59.26	6.426	473.6	.0485	-.0021	-.0035	16.83	.0007
#2	48.52	59.33	6.463	473.3	.0485	-.0021	-.0074	16.88	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.013**	**.0008**	**-.0047**	**-.0009**	**.8353**	**.0016**	**.0061**
Stddev	.000	.0003	.0006	.0001	.0020	.0013	.0004
%RSD	.0292	31.50	13.96	12.92	.2347	82.03	7.138
#1	1.013	.0006	-.0051	-.0008	.8339	.0007	.0058
#2	1.013	.0010	-.0042	-.0010	.8367	.0025	.0064

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96692.**	**14035.**	**1925.8**	**5752.8**
Stddev	90.	25.	2.1	6.2
%RSD	.09277	.17906	.11032	.10748
#1	96629.	14053.	1927.3	5757.1
#2	96756.	14017.	1924.3	5748.4

Zoom In Zoom Out

Sample Name: jb68336-22f Acquired: 6/11/2014 3:39:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1742**	**.0000**	**.0002**	**-.0005**	**.0015**	**.0012**	**.5190**	**.0005**	**.0002**
Stddev	.0004	.0000	.0000	.0001	.0002	.0003	.0000	.0001	.0000
%RSD	.2421	61.33	21.06	25.27	14.62	25.77	.0052	10.77	20.00
#1	.1739	.0001	.0002	-.0006	.0014	.0010	.5190	.0005	.0002
#2	.1745	.0000	.0002	-.0004	.0017	.0014	.5190	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**-.0028**	**.0048**	**.0015**	**.0050**	**.0106**	**-.0016**	**.0085**	**82.67**
Stddev	.0002	.0000	.0000	.0021	.0005	.0022	.0000	.0011	.25
%RSD	52.37	.3615	.9019	137.2	9.694	20.87	2.883	13.41	.3038
#1	.0003	-.0028	.0049	.0000	.0053	.0121	-.0017	.0077	82.49
#2	.0005	-.0028	.0048	.0030	.0047	.0090	-.0016	.0093	82.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.592**	**16.62**	**6.592**	**94.51**	**.0537**	**.0003**	**-.0033**	**11.59**	**.0023**
Stddev	.000	.03	.001	.26	.0004	.0000	.0000	.01	.0004
%RSD	.0083	.1793	.0101	.2716	.8271	5.854	.0175	.0849	17.92
#1	3.592	16.60	6.593	94.33	.0540	.0002	-.0033	11.60	.0020
#2	3.593	16.64	6.592	94.70	.0533	.0003	-.0033	11.58	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4631**	**.0003**	**-.0099**	**-.0005**	**1.290**	**.0001**	**.0045**
Stddev	.0007	.0004	.0008	.0002	.002	.0000	.0005
%RSD	.1439	110.5	7.765	32.23	.1297	13.43	11.74
#1	.4636	.0001	-.0094	-.0004	1.292	.0001	.0041
#2	.4627	.0006	-.0105	-.0006	1.289	.0001	.0049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104350.**	**14376.**	**2057.1**	**6379.9**
Stddev	144.	90.	.6	.1
%RSD	.13829	.62413	.02869	.00149
#1	104240.	14440.	2056.7	6380.0
#2	104450.	14313.	2057.6	6379.8

Zoom In Zoom Out

Sample Name: jb68336-23f Acquired: 6/11/2014 3:45:16 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3354**	**.0000**	**.0003**	**.0047**	**.0017**	**.0115**	**.0626**	**.0051**	**-.0001**
Stddev	.0003	.0000	.0000	.0003	.0003	.0003	.0000	.0003	.0003
%RSD	.0870	22.93	11.60	6.114	17.75	2.182	.0430	6.464	641.4
#1	.3356	.0001	.0003	.0045	.0019	.0114	.0626	.0053	.0002
#2	.3352	.0000	.0002	.0049	.0015	.0117	.0625	.0049	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0495**	**.0009**	**.0010**	**.0037**	**.0117**	**-.0014**	**.0064**	**123.5**
Stddev	.0002	.0001	.0000	.0005	.0012	.0000	.0004	.0049	.2
%RSD	37.31	.1650	3.281	51.83	32.30	.3759	27.81	76.24	.1967
#1	.0003	.0496	.0009	.0014	.0029	.0117	-.0016	.0099	123.7
#2	.0006	.0494	.0008	.0006	.0046	.0117	-.0011	.0030	123.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0637**	**44.82**	**7.015**	**181.6**	**.0851**	**.0028**	**-.0041**	**11.64**	**.0022**
Stddev	.0005	.17	.025	.1	.0000	.0001	.0004	.02	.0003
%RSD	.7291	.3902	.3605	.0295	.0337	4.884	10.36	.1584	12.16
#1	.0634	44.94	7.032	181.6	.0852	.0027	-.0038	11.65	.0020
#2	.0640	44.69	6.997	181.5	.0851	.0029	-.0044	11.63	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8902**	**.0010**	**-.0107**	**-.0004**	**1.979**	**.0006**	**.0068**
Stddev	.0017	.0002	.0009	.0001	.012	.0005	.0003
%RSD	.1957	23.66	8.824	31.89	.6203	73.57	4.839
#1	.8915	.0008	-.0100	-.0003	1.988	.0003	.0065
#2	.8890	.0011	-.0113	-.0005	1.971	.0009	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100980.**	**14222.**	**1991.9**	**6084.5**
Stddev	104.	8.	3.7	13.1
%RSD	.10294	.05724	.18706	.21610
#1	100900.	14216.	1989.2	6075.2
#2	101050.	14228.	1994.5	6093.8

Zoom In Zoom Out

Sample Name: jb68336-24f Acquired: 6/11/2014 3:51:32 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1604**	**.0001**	**.0002**	**.0005**	**.0016**	**.0007**	**1.464**	**.0004**	**.0000**
Stddev	.0003	.0000	.0001	.0001	.0004	.0000	.000	.0001	.0001
%RSD	.1563	16.45	79.18	18.92	25.98	5.835	.0116	13.75	155.0
#1	.1602	.0001	.0003	.0006	.0013	.0007	1.464	.0005	.0001
#2	.1606	.0001	.0001	.0005	.0019	.0008	1.465	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0016**	**.0138**	**-.0035**	**.0029**	**.0111**	**-.0013**	**.0061**	**74.24**
Stddev	.000	.0000	.0008	.0031	.0001	.0001	.0006	.0108	.14
%RSD	2030.	2.759	5.651	87.35	1.948	.8144	41.80	175.9	.1825
#1	-.0002	-.0016	.0144	-.0057	.0029	.0110	-.0009	.0137	74.15
#2	.0002	-.0016	.0133	-.0014	.0028	.0111	-.0017	-.0015	74.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.65**	**62.37**	**9.961**	**58.10**	**.1156**	**-.0004**	**-.0034**	**13.64**	**.0025**
Stddev	.01	.15	.004	.02	.0005	.0001	.0007	.01	.0001
%RSD	.0698	.2419	.0446	.0291	.4293	28.34	19.23	.0652	4.444
#1	16.64	62.26	9.964	58.09	.1153	-.0003	-.0038	13.65	.0025
#2	16.66	62.47	9.958	58.11	.1160	-.0005	-.0029	13.64	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5035**	**.0005**	**-.0106**	**-.0011**	**.7005**	**.0006**	**.0072**
Stddev	.0007	.0001	.0004	.0001	.0003	.0004	.0020
%RSD	.1318	26.32	3.854	9.088	.0404	66.38	28.14
#1	.5030	.0006	-.0103	-.0011	.7003	.0009	.0058
#2	.5039	.0004	-.0109	-.0012	.7007	.0003	.0086

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104750.**	**14350.**	**2056.7**	**6410.6**
Stddev	41.	76.	.9	7.0
%RSD	.03957	.52899	.04222	.10916
#1	104720.	14403.	2056.1	6405.6
#2	104780.	14296.	2057.3	6415.5

Zoom In Zoom Out

Sample Name: jb68336-25f Acquired: 6/11/2014 3:57:42 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0585**	**.0000**	**.0000**	**.0005**	**.0014**	**.0005**	**.4239**	**.0005**	**-.0002**
Stddev	.0002	.0000	.0001	.0000	.0001	.0002	.0008	.0001	.0004
%RSD	.3712	70.46	206.6	1.922	7.036	31.53	.1892	18.89	189.8
#1	.0587	.0000	.0000	.0005	.0014	.0006	.4233	.0005	-.0005
#2	.0584	.0000	.0001	.0005	.0013	.0004	.4245	.0006	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0001**	**.0011**	**.0016**	**.0011**	**.0079**	**-.0010**	**.0424**	**45.10**
Stddev	.001	.0001	.0005	.0027	.0005	.0004	.0011	.0033	.17
%RSD	2047.	60.13	39.82	170.7	44.83	5.107	114.1	7.741	.3831
#1	-.0004	-.0001	.0008	.0034	.0008	.0082	-.0018	.0401	45.22
#2	.0004	-.0002	.0015	-.0003	.0015	.0076	-.0002	.0447	44.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.42**	**40.71**	**4.742**	**37.69**	**.0746**	**.0001**	**-.0015**	**6.477**	**.0024**
Stddev	.03	.17	.012	.03	.0011	.0002	.0009	.016	.0008
%RSD	.2445	.4082	.2585	.0756	1.455	207.1	56.03	.2509	33.40
#1	12.45	40.83	4.733	37.71	.0739	.0000	-.0021	6.465	.0030
#2	12.40	40.59	4.750	37.67	.0754	.0002	-.0009	6.488	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3874**	**.0011**	**-.0114**	**.0000**	**.2114**	**.0004**	**.0010**
Stddev	.0009	.0000	.0012	.0000	.0010	.0005	.0006
%RSD	.2274	3.606	10.82	140.3	.4785	138.8	64.40
#1	.3880	.0011	-.0123	.0001	.2107	.0000	.0005
#2	.3868	.0012	-.0105	.0000	.2121	.0008	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105840.**	**14360.**	**2082.4**	**6568.4**
Stddev	163.	44.	5.2	13.2
%RSD	.15445	.30809	.24997	.20150
#1	105960.	14329.	2086.0	6577.8
#2	105730.	14391.	2078.7	6559.1

Zoom In Zoom Out

Sample Name: jb68336-26f Acquired: 6/11/2014 4:03:54 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2293**	**.0003**	**.0003**	**.0018**	**.0016**	**.0004**	**2.511**	**.0003**	**.0003**
Stddev	.0018	.0000	.0002	.0001	.0002	.0001	.084	.0002	.0003
%RSD	.7933	11.08	58.98	5.600	9.401	14.16	3.354	59.67	78.74
#1	.2280	.0003	.0004	.0017	.0015	.0004	2.571	.0002	.0002
#2	.2305	.0004	.0002	.0019	.0017	.0003	2.452	.0005	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0024**	**.0043**	**-.0073**	**.0014**	**.0113**	**-.0009**	**.0317**	**47.29**
Stddev	.0001	.0001	.0003	.0020	.0000	.0004	.0009	.0030	.18
%RSD	672.0	5.256	5.868	27.23	2.924	3.238	104.8	9.383	.3764
#1	.0000	-.0023	.0041	-.0059	.0014	.0116	-.0002	.0296	47.17
#2	.0000	-.0025	.0044	-.0087	.0014	.0111	-.0016	.0338	47.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.18**	**51.14**	**19.48**	**31.64**	**.0878**	**-.0018**	**-.0029**	**11.81**	**.0011**
Stddev	.12	.09	.09	.18	.0001	.0001	.0002	.01	.0002
%RSD	.3456	.1750	.4672	.5737	.0968	6.587	5.625	.0610	17.12
#1	35.10	51.08	19.41	31.51	.0878	-.0017	-.0030	11.80	.0010
#2	35.27	51.20	19.54	31.77	.0877	-.0018	-.0027	11.81	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3260**	**.0008**	**-.0104**	**-.0016**	**1.109**	**.0005**	**.0026**
Stddev	.0019	.0002	.0010	.0001	.004	.0001	.0007
%RSD	.5854	18.36	10.09	3.706	.3687	11.11	25.97
#1	.3246	.0009	-.0096	-.0016	1.112	.0004	.0031
#2	.3273	.0007	-.0111	-.0017	1.106	.0005	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107180.**	**14173.**	**2084.7**	**6581.6**
Stddev	3193.	1.	.8	1.7
%RSD	2.9790	.00579	.04005	.02576
#1	104920.	14173.	2085.3	6580.4
#2	109440.	14174.	2084.1	6582.8

Zoom In Zoom Out

Sample Name: jb68336-27f Acquired: 6/11/2014 4:10:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0676**	**.0000**	**.0003**	**-.0002**	**.0009**	**.0004**	**.0885**	**.0002**	**-.0004**
Stddev	.0001	.000	.0001	.0000	.0001	.0002	.0002	.0000	.0001
%RSD	.1970	119.0	20.40	1.033	11.11	66.43	.2020	3.048	16.95
#1	.0675	-.0001	.0004	-.0002	.0008	.0005	.0884	.0002	-.0005
#2	.0677	.0000	.0003	-.0002	.0010	.0002	.0886	.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0044**	**.0024**	**.0033**	**.0012**	**.0101**	**-.0001**	**.0380**	**68.56**
Stddev	.0000	.0001	.0002	.0015	.0001	.0007	.0009	.0118	.16
%RSD	48.66	1.153	8.596	46.22	4.930	7.257	698.9	31.10	.2327
#1	.0000	-.0045	.0023	.0044	.0013	.0095	.0005	.0297	68.67
#2	-.0001	-.0044	.0025	.0022	.0012	.0106	-.0008	.0464	68.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.91**	**92.44**	**2.590**	**17.32**	**.1118**	**-.0006**	**-.0041**	**12.82**	**.0026**
Stddev	.02	.21	.015	.01	.0004	.0000	.0003	.02	.0007
%RSD	.1215	.2219	.5964	.0734	.3344	1.975	6.715	.1579	26.36
#1	19.92	92.58	2.579	17.33	.1120	-.0006	-.0039	12.84	.0021
#2	19.89	92.29	2.601	17.31	.1115	-.0006	-.0043	12.81	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4122**	**.0016**	**-.0120**	**-.0016**	**.1885**	**-.0002**	**.0017**
Stddev	.0003	.0003	.0007	.0000	.0006	.0001	.0008
%RSD	.0631	16.30	5.857	2.016	.3001	51.82	48.50
#1	.4121	.0014	-.0115	-.0016	.1881	-.0002	.0011
#2	.4124	.0018	-.0125	-.0016	.1889	-.0001	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104410.**	**14266.**	**2058.8**	**6484.1**
Stddev	143.	31.	2.1	5.8
%RSD	.13700	.21556	.10412	.08991
#1	104510.	14244.	2057.3	6480.0
#2	104310.	14288.	2060.3	6488.2

Zoom In Zoom Out

Sample Name: jb68510-1 Acquired: 6/11/2014 4:16:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2350**	**.0000**	**.0000**	**-.0002**	**.0019**	**.0071**	**.1864**	**.0016**	**.0002**
Stddev	.0003	.000	.000	.0002	.0003	.0001	.0000	.0003	.0005
%RSD	.1326	43.81	303.2	69.22	15.42	1.143	.0199	18.02	255.2
#1	.2352	-.0001	.0000	-.0004	.0017	.0071	.1864	.0018	-.0002
#2	.2348	.0000	-.0001	-.0001	.0021	.0072	.1864	.0014	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.7009**	**.0004**	**.0027**	**.0027**	**.0111**	**-.0005**	**.0767**	**186.5**
Stddev	.0002	.0011	.0000	.0038	.0002	.0002	.0006	.0068	.1
%RSD	148.6	.1549	4.243	141.5	8.729	1.655	121.4	8.856	.0397
#1	.0000	.7001	.0004	.0000	.0028	.0112	-.0001	.0815	186.4
#2	.0002	.7016	.0004	.0054	.0025	.0109	-.0009	.0719	186.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1131**	**33.00**	**2.940**	**294.2**	**.0332**	**.0001**	**-.0064**	**7.880**	**.0015**
Stddev	.0007	.04	.020	3.5	.0005	.0002	.0009	.020	.0004
%RSD	.6386	.1232	.6814	1.189	1.417	138.3	13.72	.2578	24.40
#1	.1136	33.03	2.954	291.7	.0328	.0002	-.0057	7.865	.0017
#2	.1126	32.97	2.925	296.7	.0335	.0000	-.0070	7.894	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2208**	**.0026**	**-.0130**	**.0007**	**15.24**	**.0004**	**.0060**
Stddev	.0001	.0003	.0008	.0002	.03	.0016	.0001
%RSD	.0400	10.86	6.101	25.22	.2242	374.2	1.426
#1	.2209	.0027	-.0135	.0008	15.21	-.0007	.0060
#2	.2208	.0024	-.0124	.0006	15.26	.0015	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98490.**	**14107.**	**1959.2**	**5882.4**
Stddev	58.	21.	3.4	8.0
%RSD	.05873	.14812	.17260	.13634
#1	98531.	14122.	1961.6	5888.1
#2	98449.	14093.	1956.8	5876.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 4:22:37 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.008**	**2.027**	**2.034**	**2.032**	**1.982**	**2.064**	**2.046**	**.2433**
Stddev	.002	.002	.005	.002	.003	.001	.003	.003	.0003
%RSD	.1059	.0810	.2636	.1085	.1574	.0440	.1207	.1620	.1281
#1	2.026	2.009	2.023	2.032	2.030	1.982	2.062	2.044	.2431
#2	2.029	2.007	2.031	2.035	2.035	1.983	2.066	2.049	.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	**2.007**	**2.061**	**1.995**	**2.118**	**2.043**	**2.018**	**2.001**	**39.67**	**39.85**
Stddev	.004	.005	.000	.017	.003	.001	.004	.03	.19
%RSD	.2040	.2270	.0005	.7825	.1566	.0345	.1909	.0645	.4877
#1	2.004	2.057	1.995	2.130	2.041	2.018	1.999	39.69	39.99
#2	2.010	2.064	1.995	2.107	2.045	2.019	2.004	39.65	39.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.65**	**38.67**	**41.15**	**40.43**	**2.028**	**2.031**	**2.004**	**4.994**	**2.063**
Stddev	.13	.26	.01	.03	.002	.006	.004	.008	.003
%RSD	.3243	.6820	.0332	.0778	.0778	.2791	.1967	.1625	.1615
#1	38.74	38.86	41.14	40.41	2.027	2.027	2.001	4.988	2.061
#2	38.56	38.49	41.16	40.45	2.029	2.035	2.006	4.999	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 4:22:37 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.062**	**2.029**	**1.864**	**2.012**	**1.963**	**2.010**	**2.039**
Stddev	.001	.002	.029	.002	.005	.003	.003
%RSD	.0242	.0939	1.542	.0855	.2649	.1553	.1202
#1	2.062	2.027	1.843	2.011	1.966	2.008	2.037
#2	2.062	2.030	1.884	2.013	1.959	2.012	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105380.**	**14268.**	**2103.2**	**6488.5**
Stddev	154.	107.	3.0	2.1
%RSD	.14650	.75137	.14229	.03203
#1	105490.	14192.	2105.4	6489.9
#2	105270.	14344.	2101.1	6487.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 4:28:41 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0007**	F **.0006**	**.0009**	**.0010**	**.0007**	**.0009**	**.0005**	**.0001**
Stddev	.0001	.0000	.0000	.0000	.0000	.0001	.0000	.0002	.0001
%RSD	6.271	2.755	6.731	4.638	2.594	18.67	3.444	31.91	106.5
#1	.0008	.0007	.0006	.0009	.0010	.0007	.0009	.0006	.0002
#2	.0009	.0007	.0007	.0009	.0010	.0006	.0008	.0004	.0000
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0009**	**.0013**	**.0020**	**.0013**	**.0021**	**.0001**	**.0145**	**.0139**
Stddev	.0001	.0000	.0008	.0005	.0006	.0004	.0010	.0028	.0016
%RSD	5.812	.2294	57.37	25.33	50.40	21.15	1851.	19.28	11.36
#1	.0010	.0009	.0008	.0023	.0017	.0024	-.0006	.0164	.0128
#2	.0009	.0009	.0018	.0016	.0008	.0018	.0007	.0125	.0150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0159**	**.0341**	**.0377**	**.0215**	**.0010**	F **.0021**	**.0004**	**.0047**	**-.0001**
Stddev	.0011	.0166	.0015	.0078	.0003	.0001	.0003	.0000	.0004
%RSD	6.710	48.67	4.022	36.35	29.48	3.693	93.65	.5757	495.2
#1	.0151	.0459	.0388	.0160	.0012	.0022	.0006	.0048	.0002
#2	.0167	.0224	.0366	.0270	.0008	.0020	.0001	.0047	-.0004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 4:28:41 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0009**	**.0111**	F **.0015**	**.0013**	**.0008**	**.0015**
Stddev	.0000	.0006	.0028	.0000	.0005	.0005	.0011
%RSD	7.088	65.54	25.64	.1078	40.10	57.86	77.23
#1	.0006	.0005	.0131	.0015	.0017	.0012	.0023
#2	.0007	.0014	.0091	.0015	.0009	.0005	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112070.**	**14431.**	**2198.6**	**7245.1**
Stddev	116.	36.	2.1	9.4
%RSD	.10353	.25275	.09674	.12942
#1	111990.	14405.	2200.1	7251.7
#2	112160.	14456.	2197.1	7238.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/11/2014 4:34:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2070**	**.0022**	**.0033**	**.0515**	**.0113**	**.0104**	**.0166**	**.0106**	**.0052**
Stddev	.0001	.0000	.0001	.0000	.0003	.0000	.0001	.0001	.0004
%RSD	.0544	.6169	3.780	.0743	2.673	.2338	.4150	1.278	8.007
#1	.2071	.0022	.0032	.0515	.0111	.0104	.0166	.0107	.0049
#2	.2069	.0023	.0034	.0516	.0115	.0104	.0165	.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	**.0530**	**.0235**	**.0085**	**.0087**	**.0033**	**.0120**	**.0059**	**.2017**	**5.046**
Stddev	.0001	.0001	.0000	.0007	.0007	.0011	.0001	.0012	.002
%RSD	.1172	.2833	.4700	8.071	20.89	9.355	2.264	.5710	.0477
#1	.0531	.0235	.0085	.0082	.0028	.0112	.0060	.2025	5.044
#2	.0530	.0236	.0085	.0092	.0038	.0128	.0058	.2009	5.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1067**	**5.137**	**5.338**	**5.067**	**.1055**	**.0216**	**.0581**	**.2192**	**.0109**
Stddev	.0003	.029	.043	.002	.0008	.0000	.0001	.0000	.0006
%RSD	.2580	.5658	.8002	.0395	.7390	.0404	.1856	.0205	5.347
#1	.1065	5.157	5.308	5.068	.1049	.0216	.0582	.2192	.0113
#2	.1069	5.116	5.368	5.065	.1060	.0216	.0580	.2191	.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: 6/11/2014 4:34:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0110**	**.0540**	**.0120**	**.0517**	**.0213**	**.0234**
Stddev	.0001	.0002	.0010	.0002	.0001	.0002	.0004
%RSD	.6017	1.579	1.873	1.618	.2877	.8016	1.913
#1	.0109	.0108	.0547	.0122	.0516	.0212	.0231
#2	.0108	.0111	.0532	.0119	.0518	.0214	.0237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110270.**	**14309.**	**2181.9**	**7074.2**
Stddev	85.	13.	4.4	3.7
%RSD	.07731	.09377	.20027	.05210
#1	110330.	14318.	2185.0	7076.9
#2	110210.	14299.	2178.9	7071.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 4:41:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0010**	**.0011**	**.0035**	**.0024**	**.0020**	**.0034**	**.0044**	**.0010**
Stddev	.0001	.0000	.0000	.0001	.0002	.0001	.0000	.0000	.0000
%RSD	2.339	3.721	.5765	2.845	7.946	3.614	.6135	1.089	3.579
#1	.0043	.0010	.0011	.0035	.0023	.0020	.0034	.0044	.0010
#2	.0042	.0010	.0011	.0034	.0025	.0021	.0033	.0044	.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	**.0024**	F **.0136**	**.0038**	**.0017**	**.0032**	F **.0085**	**.0031**	**.1043**	**1.054**
Stddev	.0000	.0004	.0004	.0009	.0008	.0002	.0007	.0034	.005
%RSD	1.635	2.602	11.40	52.48	26.20	2.605	21.98	3.278	.4438
#1	.0024	.0134	.0035	.0023	.0026	.0087	.0026	.1019	1.051
#2	.0023	.0139	.0041	.0011	.0037	.0084	.0036	.1067	1.058
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.0100				.0050			
Range		30.00%				30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	F **.1309**	**2.182**	**1.050**	**.0105**	**-.0003**	**-.0005**	**-.0020**	**.0003**
Stddev	.0017	.0044	.023	.003	.0005	.0002	.0001	.0002	.0002
%RSD	37.51	3.387	1.064	.2624	4.385	49.24	21.78	9.150	49.83
#1	.0059	.1340	2.166	1.048	.0102	-.0004	-.0004	-.0018	.0005
#2	.0034	.1277	2.199	1.052	.0109	-.0002	-.0005	-.0021	.0002
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 4:41:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0070**	**-.0002**	**.0005**	**.0005**	**.0007**
Stddev	.0000	.0002	.0013	.0001	.0005	.0004	.0005
%RSD	.4015	104.4	18.36	60.56	108.9	76.24	69.57
#1	-.0001	.0003	-.0061	-.0001	.0008	.0008	.0011
#2	-.0001	.0000	-.0079	-.0003	.0001	.0002	.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111590.**	**14417.**	**2170.5**	**7101.7**
Stddev	219.	50.	35.6	103.2
%RSD	.19655	.34918	1.6399	1.4536
#1	111750.	14453.	2195.6	7174.7
#2	111440.	14382.	2145.3	7028.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 4:47:31 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0002**	**.0001**	**.0001**	**-.0001**	**.0000**	**.0005**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0000	.0000	.000	.0001	.0000
%RSD	149.6	25.03	87.27	63.05	7.213	24.69	732.1	28.66	17.67
#1	.0000	-.0001	-.0001	.0002	.0001	.0000	.0000	.0006	.0002
#2	.0001	-.0001	-.0003	.0001	.0001	-.0001	.0000	.0004	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0018**	**.0197**	**.0016**	**.0210**	**.0251**	**.0194**	**.4693**	**.0075**
Stddev	.0001	.0000	.0011	.0002	.0001	.0017	.0013	.0038	.0015
%RSD	96.75	.0561	5.602	12.29	.6886	6.724	6.740	.8175	19.76
#1	.0000	.0018	.0189	.0015	.0211	.0263	.0185	.4665	.0064
#2	.0002	.0018	.0204	.0018	.0209	.0239	.0203	.4720	.0085
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	**.4800**	**.0016**	**-.0015**	**-.0017**	**-.0006**	**-.0005**	**-.0001**	**.0013**	**.0003**
Stddev	.0037	.0077	.0190	.0039	.0006	.0000	.0001	.0003	.0000
%RSD	.7704	468.7	1287.	232.1	90.46	9.638	164.0	22.58	15.20
#1	.4826	.0071	.0119	-.0045	-.0010	-.0005	.0000	.0011	.0003
#2	.4774	-.0038	-.0149	.0011	-.0002	-.0005	-.0002	.0015	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 4:47:31 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0085**	**-.0003**	**.0024**	**.0001**	**.0007**
Stddev	.0000	.0002	.0001	.0001	.0000	.0005	.0005
%RSD	32.12	121.0	.7422	26.35	.0848	509.3	68.06
#1	-.0001	.0000	-.0085	-.0003	.0024	.0004	.0010
#2	-.0002	-.0003	-.0086	-.0004	.0024	-.0003	.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111790.**	**14925.**	**2206.2**	**7237.0**
Stddev	35.	140.	3.6	7.0
%RSD	.03113	.94092	.16153	.09677
#1	111810.	15025.	2208.7	7242.0
#2	111770.	14826.	2203.7	7232.0

Zoom In Zoom Out

Sample Name: Siconf Acquired: 6/11/2014 4:53:49 Type: Unk
Method: Accutest1(v140) Mode: CONC 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**	**.0002**	**-.0003**	**-.0018**	**.0000**	**.0000**
Stddev	.0001	.0000	.000	.0000	.0000	.0001	.0000	.0001	.000
%RSD	14.33	7.300	1959.	634.8	12.37	23.07	2.287	407.7	1.854
#1	.0006	-.0001	-.0001	.0000	.0002	-.0003	-.0018	.0000	.0000
#2	.0007	-.0001	.0001	.0000	.0002	-.0004	-.0018	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0023**	**.0006**	**.0015**	**.0001**	**.0065**	**.0006**	**.0221**	**.0282**
Stddev	.0000	.0001	.0007	.0001	.0007	.0004	.0002	.0018	.0021
%RSD	38.37	5.114	124.3	6.587	586.0	6.726	35.97	8.301	7.544
#1	.0000	-.0022	.0001	.0015	-.0004	.0068	.0008	.0234	.0267
#2	.0001	-.0023	.0010	.0016	.0006	.0062	.0005	.0208	.0297

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0135**	**.0126**	**.0246**	**.0042**	**.0039**	**-.0004**	**-.0011**	**12.84**	**.0003**
Stddev	.0015	.0080	.0250	.0002	.0002	.0002	.0009	.00	.0003
%RSD	10.99	63.72	101.5	3.853	4.286	51.52	84.70	.0275	111.5
#1	.0125	.0069	.0422	.0043	.0040	-.0002	-.0017	12.83	.0001
#2	.0146	.0182	.0069	.0041	.0038	-.0005	-.0004	12.84	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0014**	**-.0047**	**.0142**	**.0027**	**-.0012**	**.0007**
Stddev	.0000	.0001	.0004	.0011	.0014	.0005	.0007
%RSD	178.3	7.378	7.826	8.014	51.51	38.11	98.47
#1	.0000	.0015	-.0049	.0150	.0017	-.0009	.0002
#2	.0000	.0013	-.0044	.0134	.0036	-.0015	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112270.**	**14424.**	**2208.7**	**7251.5**
Stddev	280.	10.	.4	.5
%RSD	.24952	.07278	.01736	.00665
#1	112070.	14431.	2209.0	7251.9
#2	112470.	14416.	2208.5	7251.2

Zoom In Zoom Out

Sample Name: Ticonf Acquired: 6/11/2014 5:00:06 Type: Unk
Method: Accutest1(v140) Mode: CONC 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**	**.0009**	**.0003**	**-.0047**	**.0012**	**-.0008**	**-.0009**	**-.0010**	**.0008**
Stddev	.0000	.0000	.0000	.0002	.0001	.0000	.0000	.0000	.0002
%RSD	4.338	.2658	9.694	4.776	9.176	3.811	1.735	2.846	31.59
#1	.0003	.0009	.0003	-.0045	.0013	-.0008	-.0009	-.0010	.0009
#2	.0003	.0009	.0003	-.0048	.0011	-.0008	-.0009	-.0010	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0049**	**.0017**	**.0005**	**.0008**	**.0021**	**.0032**	**.0887**	**.0310**
Stddev	.0001	.0000	.0004	.0009	.0006	.0007	.0012	.0052	.0030
%RSD	11.40	.8272	25.25	191.3	77.86	31.99	38.43	5.823	9.615
#1	.0012	.0049	.0014	-.0002	.0003	.0016	.0023	.0850	.0289
#2	.0010	.0048	.0020	.0011	.0012	.0026	.0040	.0923	.0331

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0180**	**-.0363**	**.0106**	**-.0083**	**.0003**	**-.0036**	**-.0055**	**.0592**	**-.0002**
Stddev	.0014	.0125	.0082	.0016	.0006	.0003	.0004	.0036	.0003
%RSD	8.052	34.46	77.35	19.71	195.4	7.338	6.590	6.074	121.0
#1	.0190	-.0275	.0048	-.0095	-.0001	-.0034	-.0053	.0617	.0000
#2	.0170	-.0452	.0164	-.0072	.0008	-.0037	-.0058	.0566	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**10.15**	**-.0104**	**.0029**	**.0036**	**-.0165**	**.0008**
Stddev	.000	.01	.0006	.0000	.0001	.0005	.0004
%RSD	1352.	.1399	5.331	.3924	2.186	2.944	42.76
#1	.0000	10.14	-.0100	.0029	.0036	-.0168	.0011
#2	.0000	10.16	-.0108	.0029	.0037	-.0161	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112210.**	**14444.**	**2218.5**	**7263.7**
Stddev	217.	51.	6.0	11.9
%RSD	.19326	.35144	.27018	.16365
#1	112360.	14409.	2214.2	7255.3
#2	112050.	14480.	2222.7	7272.1

Zoom In Zoom Out

Sample Name: Vconf Acquired: 6/11/2014 5:06:23 Type: Unk
Method: Accutest1(v140) Mode: CONC 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**	**.0007**	**.0002**	**.0004**	**.0003**	**-.0033**	**-.0001**	**.0000**	**.0004**
Stddev	.0001	.0003	.0001	.0001	.0005	.0002	.0000	.000	.0001
%RSD	333.9	48.33	48.65	29.63	188.0	6.134	8.824	268.3	22.25
#1	.0000	.0004	.0002	.0003	.0006	-.0035	-.0001	.0000	.0005
#2	.0001	.0009	.0001	.0004	-.0001	-.0032	-.0001	.0000	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.940**	**.0025**	**.0010**	**.0006**	**.0010**	**.0001**	**.0006**	**-.0015**	**.0069**
Stddev	.264	.0000	.0008	.0090	.0003	.0024	.0010	.0120	.0001
%RSD	2.652	.7963	82.92	1394.	28.29	2353.	186.6	792.3	1.030
#1	10.13	.0025	.0016	.0070	.0008	-.0016	.0013	.0070	.0068
#2	9.754	.0025	.0004	-.0057	.0012	.0018	-.0002	-.0100	.0069

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0043**	**.0082**	**-.0042**	**-.0184**	**-.0004**	**-.0090**	**.0000**	**.0485**	**-.0006**
Stddev	.0007	.0130	.0093	.0001	.0005	.0000	.0009	.0005	.0003
%RSD	15.69	158.3	219.3	.2902	117.3	.0755	4587.	1.071	47.46
#1	.0048	.0174	.0023	-.0185	-.0008	-.0090	-.0006	.0481	-.0008
#2	.0038	-.0010	-.0108	-.0184	-.0001	-.0090	.0006	.0489	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0242**	**-.0008**	**.0054**	**-.0056**	**-.0008**
Stddev	.0001	.0001	.0001	.0001	.0007	.0002	.0008
%RSD	61.88	86.30	.5105	17.09	13.38	3.220	94.28
#1	-.0001	.0003	-.0241	-.0009	.0059	-.0055	-.0003
#2	-.0001	.0001	-.0242	-.0007	.0049	-.0057	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112390.**	**14391.**	**2204.1**	**7222.8**
Stddev	2419.	108.	13.3	23.5
%RSD	2.1520	.75315	.60166	.32505
#1	110680.	14468.	2213.5	7239.4
#2	114100.	14315.	2194.8	7206.2

Zoom In Zoom Out

Sample Name: Mnconf Acquired: 6/11/2014 5:12:40 Type: Unk
Method: Accutest1(v140) Mode: CONC 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**	**.0002**	**-.0001**	**.0026**	**-.0007**	**10.15**	**.0002**	**.0006**
Stddev	.0003	.0001	.0000	.0001	.0000	.0000	.06	.0000	.0002
%RSD	88.45	36.49	20.85	118.0	.6991	2.053	.5494	6.549	27.25
#1	.0005	-.0002	.0003	-.0001	.0026	-.0007	10.11	.0003	.0008
#2	.0001	-.0003	.0002	.0000	.0026	-.0007	10.19	.0002	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0021**	**.0014**	**.0003**	**-.0001**	**.0041**	**-.0007**	**.0058**	**.0124**
Stddev	.0001	.0001	.0004	.0011	.0010	.0016	.0008	.0028	.0006
%RSD	34.03	2.611	27.34	317.8	1458.	38.68	112.8	47.85	5.039
#1	-.0003	.0020	.0016	.0011	.0007	.0052	-.0001	.0077	.0119
#2	-.0005	.0021	.0011	-.0004	-.0008	.0030	-.0013	.0038	.0128

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0026**	**-.0160**	**.0131**	**-.0112**	**-.0007**	**-.0011**	**-.0005**	**.0706**	**-.0040**
Stddev	.0007	.0051	.0221	.0024	.0001	.0001	.0002	.0000	.0002
%RSD	26.86	32.14	168.3	21.47	11.97	11.75	35.57	.0107	5.284
#1	.0021	-.0196	.0287	-.0129	-.0008	-.0012	-.0004	.0706	-.0042
#2	.0031	-.0124	-.0025	-.0095	-.0007	-.0010	-.0007	.0706	-.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0134**	**-.0011**	**.0001**	**.0009**	**.0001**
Stddev	.0000	.0000	.0005	.0000	.0016	.0005	.0004
%RSD	45.19	44.05	3.641	.4774	2557.	62.79	706.0
#1	.0000	-.0001	-.0138	-.0011	-.0011	.0013	.0003
#2	-.0001	.0000	-.0131	-.0011	.0012	.0005	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112470.**	**14367.**	**2199.2**	**7220.9**
Stddev	525.	46.	7.8	17.3
%RSD	.46648	.32236	.35443	.23920
#1	112840.	14335.	2204.7	7233.1
#2	112100.	14400.	2193.7	7208.7

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/11/2014 5:19:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0000**	**-.0001**	**-.0018**	**10.57**	**.0001**	**-.0011**	**.0004**	**.0002**
Stddev	.0001	.0000	.0001	.0003	.02	.0001	.0000	.0000	.0002
%RSD	23.96	391.3	125.7	14.24	.2123	64.54	1.538	6.878	91.31
#1	.0004	.0000	.0000	-.0016	10.58	.0001	-.0011	.0004	.0004
#2	.0005	.0000	-.0001	-.0020	10.55	.0002	-.0011	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0000**	**.0003**	**.0001**	**.0000**	**.0025**	**.0099**	**-.0037**	**.0130**
Stddev	.0002	.000	.0004	.0006	.000	.0012	.0002	.0037	.0044
%RSD	22.91	155.9	153.2	621.2	467.4	49.16	1.906	101.0	33.59
#1	.0008	-.0001	.0006	.0005	.0001	.0033	.0097	-.0063	.0161
#2	.0011	.0000	.0000	-.0003	-.0002	.0016	.0100	-.0010	.0099

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0173**	**.0199**	**.0141**	**-.0097**	**-.0009**	**-.0004**	**.0000**	**.0087**	**-.0017**
Stddev	.0015	.0077	.0138	.0062	.0007	.0000	.001	.0007	.0007
%RSD	8.455	38.54	97.92	63.73	73.69	2.809	1969.	8.260	41.76
#1	.0163	.0145	.0043	-.0054	-.0014	-.0003	.0004	.0082	-.0012
#2	.0184	.0254	.0238	-.0141	-.0004	-.0004	-.0004	.0092	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**-.0155**	**-.0039**	**.0018**	**.0139**	**.0011**
Stddev	.0000	.0001	.0003	.0001	.0005	.0012	.0003
%RSD	76.54	38.38	2.134	2.019	28.21	8.465	27.65
#1	.0000	-.0003	-.0153	-.0038	.0021	.0148	.0009
#2	.0000	-.0002	-.0158	-.0039	.0014	.0131	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112140.**	**14339.**	**2159.3**	**7233.8**
Stddev	261.	41.	.8	8.5
%RSD	.23246	.28615	.03608	.11711
#1	111960.	14368.	2159.9	7239.8
#2	112330.	14310.	2158.8	7227.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 5:25:21 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.027**	**2.012**	**2.037**	**2.046**	F **2.271**	F **2.205**	F **2.302**	**2.053**	F **.2791**
Stddev	.062	.064	.002	.002	.323	.322	.329	.004	.0509
%RSD	3.040	3.196	.1151	.1029	14.23	14.61	14.30	.1883	18.25
#1	2.071	2.058	2.035	2.045	2.499	2.432	2.535	2.051	.3151
#2	1.984	1.967	2.038	2.048	2.042	1.977	2.069	2.056	.2431

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	F **2.219**	**2.072**	**2.036**	**2.115**	**2.048**	**2.121**	**1.998**	**39.69**	**40.25**
Stddev	.304	.005	.043	.008	.001	.138	.013	1.27	1.36
%RSD	13.68	.2461	2.123	.3928	.0495	6.528	.6396	3.204	3.383
#1	2.434	2.069	2.066	2.109	2.047	2.219	1.989	40.58	41.22
#2	2.004	2.076	2.005	2.121	2.048	2.023	2.007	38.79	39.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**38.75**	**39.09**	**41.24**	**40.45**	**2.072**	**2.032**	F **2.229**	**5.201**	**2.071**
Stddev	1.28	1.38	1.28	1.21	.049	.012	.328	.268	.007
%RSD	3.314	3.524	3.094	2.978	2.347	.5969	14.71	5.143	.3639
#1	39.65	40.06	42.14	41.30	2.106	2.023	2.461	5.390	2.066
#2	37.84	38.11	40.33	39.60	2.038	2.040	1.997	5.012	2.076

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.064**	F **2.258**	**1.890**	F **2.237**	**1.930**	**2.012**	**2.035**
Stddev	.066	.317	.014	.317	.044	.005	.057
%RSD	3.183	14.05	.7487	14.16	2.298	.2726	2.813
#1	2.111	2.483	1.880	2.461	1.898	2.008	2.076
#2	2.018	2.034	1.900	2.013	1.961	2.016	1.995

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**14169.**	**2107.0**	**6495.8**
Stddev	-----	413.	5.4	11.9
%RSD	-----	2.9124	.25612	.18375
#1	-----	13877.	2110.9	6504.2
#2	105720.	14461.	2103.2	6487.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 5:31:25 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0007**	F **.0008**	**.0011**	F **.0014**	**.0008**	**.0012**	**.0007**	**.0002**
Stddev	.0001	.0001	.0002	.0000	.0003	.0000	.0001	.0002	.0001
%RSD	14.92	10.92	32.81	2.408	20.05	5.372	5.153	30.35	31.51
#1	.0009	.0007	.0009	.0011	.0015	.0008	.0012	.0008	.0001
#2	.0011	.0008	.0006	.0011	.0012	.0008	.0013	.0005	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006		.0012				
Low Limit			-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0009**	**.0022**	**.0016**	**.0007**	**-.0004**	**.0002**	**.0123**	**.0174**
Stddev	.0000	.0001	.0001	.0009	.0001	.0003	.0006	.0068	.0056
%RSD	2.511	11.59	3.398	58.07	7.971	78.18	262.3	55.59	32.35
#1	.0012	.0010	.0023	.0022	.0007	-.0006	.0006	.0171	.0134
#2	.0011	.0009	.0022	.0009	.0007	-.0002	-.0002	.0074	.0214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0160**	**.0076**	**.0410**	**.0180**	**.0013**	F **.0021**	**.0014**	**.0046**	**.0005**
Stddev	.0047	.0044	.0073	.0012	.0001	.0004	.0006	.0007	.0005
%RSD	29.24	58.03	17.75	6.772	8.619	18.61	42.14	14.71	89.89
#1	.0127	.0045	.0358	.0189	.0012	.0024	.0018	.0051	.0009
#2	.0193	.0107	.0461	.0171	.0014	.0018	.0010	.0042	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 5:31:25 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	F **.0012**	F **.0134**	F **.0016**	**.0016**	**.0013**	**.0017**
Stddev	.0002	.0002	.0029	.0000	.0010	.0005	.0004
%RSD	19.94	16.97	21.42	2.968	61.63	37.14	26.42
#1	.0007	.0010	.0155	.0016	.0024	.0009	.0013
#2	.0010	.0013	.0114	.0016	.0009	.0016	.0020
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0123	.0010			
Low Limit		-.0010	-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112150.**	**14360.**	**2207.7**	**7258.4**
Stddev	58.	26.	.3	3.8
%RSD	.05143	.18258	.01176	.05252
#1	112110.	14378.	2207.9	7255.7
#2	112200.	14341.	2207.5	7261.0

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000000	0.000000	No
				Al	0.000002	0.000000	No
				Zr	0.001000	0.000000	No
	Be 313.042 {108}	1	12	V	0.000735	0.000000	No
				Mo	-0.000040	0.000000	No
				Ti	-0.000252	0.000000	No
				Mn	0.000016	0.000000	No
				Ba	-0.000013	0.000000	No
				Zn	0.000010	0.000000	No
				Sb	0.000079	0.000000	No
				Ag	0.000060	0.000000	No
				Sn	0.000010	0.000000	No
				Cu	0.000005	0.000000	No
				W	0.000000	0.000000	No
				K	-0.000020	0.000000	No
	Cd 228.802 {448}	1	16	As	0.003636	0.000000	No
				Ni	-0.000550	0.000000	No
				Fe	0.000017	0.000000	No
				Ba	0.000150	0.000000	No
				Co	-0.000224	0.000000	No
				Zn	0.000400	0.000000	No
				Al	-0.000002	0.000000	No
				Mg	0.000000	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000014	0.000000	No
				Mo	0.000002	0.000000	No
				Ti	-0.000049	0.000000	No
				Cu	-0.000010	0.000000	No
				Sr	-0.000050	0.000000	No
				Zr	0.000000	0.000000	No
				W	0.000000	0.000000	No
	Co 228.616 {448}	1	7	Fe	-0.000001	0.000000	No
				Cr	0.000000	0.000000	No
				Ba	0.000006	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	-0.000002	0.000000	No
				Ti	0.002270	0.000000	No
				Mo	-0.000300	0.000000	No
	Cr 267.716 {126}	1	9	Mn	0.000130	0.000000	No
				Mo	-0.000153	0.000000	No
				Fe	-0.000004	0.000000	No
				Co	0.000160	0.000000	No
				Al	0.000000	0.000000	No
				Sn	-0.000070	0.000000	No
				Ti	-0.000058	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.001783	0.000000	No
	Cu 324.754 {104}2	1	12	Cr	-0.000025	0.000000	No
				Mo	0.000702	0.000000	No
				Ti	-0.000143	0.000000	No
				Mn	0.000086	0.000000	No
				Co	-0.000957	0.000000	No
				Zn	0.000037	0.000000	No
				Fe	-0.000119	0.000000	No
				Zr	0.000100	0.000000	No
				V	-0.000050	0.000000	No
				Ca	-0.000005	0.000000	No
				Ni	-0.000020	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	1	6	Fe	-0.000056	0.000000	No
				Ti	0.000095	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Si	0.000150	0.000000	No
				Mo	-0.000160	0.000000	No
				As	0.000400	0.000000	No
				W	0.000000	0.000000	No
	Ni 231.604 {446}	1	8	Cr	-0.000028	0.000000	No
				Mo	-0.000065	0.000000	No
				Fe	0.000020	0.000000	No
				Zn	0.000017	0.000000	No
				Co	-0.000423	0.000000	No
				Cu	0.000152	0.000000	No
				Ti	0.000120	0.000000	No
				W	-0.000260	0.000000	No
	Ag 328.068 {103}	1	17	Mn	0.000142	0.000000	No
				Mo	-0.000012	0.000000	No
				Ti	-0.000070	0.000000	No
				V	-0.001200	0.000000	No
				Zr	0.007600	0.000000	No
				Sb	-0.000013	0.000000	No
				Mg	0.000004	0.000000	No
				Ca	-0.000000	0.000000	No
				Fe	-0.000241	0.000000	No
				Al	-0.000002	0.000000	No
				Zn	0.000000	0.000000	No
				Ba	0.000090	0.000000	No
				Ni	-0.000021	0.000000	No
				Cr	0.000005	0.000000	No
				As	-0.000089	0.000000	No
				B	0.000001	0.000000	No
				W	0.005000	0.000000	No
	V 292.402 {115}	1	6	Fe	0.000007	0.000000	No
				Ti	0.000320	0.000000	No
				Mo	-0.009850	0.000000	No
				Co	0.000139	0.000000	No
				Cr	-0.003726	0.000000	No
				Mn	-0.000100	0.000000	No
	Zn 206.200 {464}	1	15	Cr	-0.000400	0.000000	No
				Mo	0.000150	0.000000	No
				Fe	-0.000005	0.000000	No
				Co	0.000122	0.000000	No
				Ni	0.000058	0.000000	No
				Se	0.000141	0.000000	No
				Ba	-0.000005	0.000000	No
				Ca	0.000003	0.000000	No
				Ti	-0.000085	0.000000	No
				Sn	0.000068	0.000000	No
				V	-0.000170	0.000000	No
				Sr	0.000000	0.000000	No
				Al	0.000004	0.000000	No
				Bi	-0.001125	0.000000	No
				Si	0.000600	0.000000	No
	As 189.042 {478}	1	20	Al	0.000015	0.000000	No
				Fe	-0.000012	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000070	0.000000	No
				Mo	0.001510	0.000000	No
				Cr	0.000600	0.000000	No
				Co	0.000010	0.000000	No
				Si	-0.000009	0.000000	No
				Cu	-0.000074	0.000000	No
				Pd	0.033140	0.000000	No
				K	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mg	0.000004	0.000000	No
				Cd	-0.000016	0.000000	No
				Sn	0.000067	0.000000	No
				Zn	-0.000115	0.000000	No
				Zr	0.000000	0.000000	No
				Sb	0.000022	0.000000	No
				Ti	-0.000203	0.000000	No
				B	0.000001	0.000000	No
				S	-0.000001	0.000000	No
	Tl 190.856 {477}	1	27	Cr	0.000683	0.000000	No
				Mo	-0.013600	0.000000	No
				Al	-0.000012	0.000000	No
				V	-0.012000	0.000000	No
				Mn	0.001700	0.000000	No
				Si	-0.000014	0.000000	No
				Ca	0.000010	0.000000	No
				Ti	-0.003000	0.000000	No
				Cu	-0.000095	0.000000	No
				Co	0.012300	0.000000	No
				Sr	0.000000	0.000000	No
				Zn	0.000220	0.000000	No
				Pb	-0.000090	0.000000	No
				Mg	-0.000003	0.000000	No
				Ba	-0.000100	0.000000	No
				Sb	0.000004	0.000000	No
				W	0.000000	0.000000	No
				B	0.000567	0.000000	No
				Pd	-0.000032	0.000000	No
				Ni	0.000030	0.000000	No
				Sn	0.000100	0.000000	No
				Fe	-0.000098	0.000000	No
				Li	0.000009	0.000000	No
				S	0.000025	0.000000	No
				Na	-0.000011	0.000000	No
				K	0.000600	0.000000	No
				As	0.000200	0.000000	No
	Pb 220.353 {453}	1	22	Al	-0.000086	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	0.000140	0.000000	No
				Zn	0.000027	0.000000	No
				Mo	-0.000550	0.000000	No
				Ni	0.000129	0.000000	No
				Cu	0.000370	0.000000	No
				V	-0.000206	0.000000	No
				Co	0.000016	0.000000	No
				Ti	0.000000	0.000000	No
				Si	0.000060	0.000000	No
				Mg	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Pd	0.000500	0.000000	No
				Sb	0.000109	0.000000	No
				Cr	-0.000066	0.000000	No
				Sn	0.000070	0.000000	No
				Fe	0.000043	0.000000	No
				W	0.000000	0.000000	No
				Zr	0.000000	0.000000	No
				S	-0.000022	0.000000	No
				Sr	-0.000035	0.000000	No
	Se 196.090 {472}	1	18	Al	-0.000008	0.000000	No
				Ca	-0.000011	0.000000	No
				Mn	0.000345	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mo	-0.000038	0.000000	No
				Co	-0.000140	0.000000	No
				Cu	-0.000107	0.000000	No
				Mg	-0.000001	0.000000	No
				Ti	0.000100	0.000000	No
				Sb	-0.000010	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	-0.000151	0.000000	No
				Si	-0.000317	0.000000	No
				B	-0.000043	0.000000	No
				Ba	0.000050	0.000000	No
				S	0.000010	0.000000	No
				W	0.112000	0.000000	No
				Zr	-0.000833	0.000000	No
				V	0.000600	0.000000	No
	Sb 206.833 {463}	1	19	Fe	0.000010	0.000000	No
				Al	0.000021	0.000000	No
				Ca	-0.000003	0.000000	No
				Ni	-0.000078	0.000000	No
				Cr	0.011700	0.000000	No
				V	-0.002240	0.000000	No
				Zn	-0.000104	0.000000	No
				Mo	0.000420	0.000000	No
				Ti	0.000160	0.000000	No
				Sn	-0.015034	0.000000	No
				Mn	-0.000060	0.000000	No
				Co	-0.000121	0.000000	No
				Se	-0.000252	0.000000	No
				Zr	-0.000300	0.000000	No
				W	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Si	0.000000	0.000000	No
				Mg	0.000006	0.000000	No
				S	-0.000016	0.000000	No
	Al 396.152 { 85}	1	8	Ca	0.000100	0.000000	No
				Mo	0.049000	0.000000	No
				Ti	-0.006610	0.000000	No
				Si	0.001149	0.000000	No
				Co	-0.000115	0.000000	No
				Li	-0.001000	0.000000	No
				W	0.000000	0.000000	No
				Ba	0.004500	0.000000	No
	Ca 317.933 {106}	1	5	Al	0.000043	0.000000	No
				Fe	0.000078	0.000000	No
				Mg	0.000071	0.000000	No
				Ti	-0.000042	0.000000	No
				Co	0.001850	0.000000	No
	Fe 259.940 {130}	1	11	Cr	0.000237	0.000000	No
				Zn	0.000466	0.000000	No
				Al	0.000017	0.000000	No
				Co	0.002732	0.000000	No
				Cd	0.000700	0.000000	No
				Sn	-0.000019	0.000000	No
				Ti	-0.000710	0.000000	No
				Si	0.000053	0.000000	No
				Ca	0.000012	0.000000	No
				Ba	0.000400	0.000000	No
				V	0.000000	0.000000	No
	Mg 279.079 {121}	1	4	Al	0.000000	0.000000	No
				Mo	-0.018810	0.000000	No
				Pb	0.000002	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	0.000000	0.000000	No
	K 766.490 { 44}	1	1	Mg	0.000000	0.000000	No
	Na 589.592 { 57}	1	1	Al	0.000039	0.000000	No
	B 208.959 {462}	1	4	Mo	0.037450	0.000000	No
				Al	0.000008	0.000000	No
				Ti	-0.000001	0.000000	No
				Pd	0.000630	0.000000	No
	Mo 202.030 {467}	1	8	Ti	0.000300	0.000000	No
				Pd	0.000018	0.000000	No
				Al	-0.000011	0.000000	No
				Mg	-0.000005	0.000000	No
				Ca	0.000000	0.000000	No
				Fe	0.000044	0.000000	No
				V	0.000500	0.000000	No
				W	-0.004932	0.000000	No
	Pd 340.458 { 99}	1	8	Ti	-0.000250	0.000000	No
				Co	-0.001657	0.000000	No
				Sn	-0.000700	0.000000	No
				Sb	0.000160	0.000000	No
				Si	0.000010	0.000000	No
				Fe	0.000000	0.000000	No
				Mo	-0.000260	0.000000	No
				Zr	0.003000	0.000000	No
	Si 212.412 {459}	1	11	Mn	-0.002280	0.000000	No
				Fe	-0.000005	0.000000	No
				Ca	0.000003	0.000000	No
				Ni	0.000391	0.000000	No
				Cd	0.001794	0.000000	No
				Cr	-0.000450	0.000000	No
				Mo	0.025500	0.000000	No
				Ti	0.168600	0.000000	No
				Ba	0.000825	0.000000	No
				Sn	0.003490	0.000000	No
				W	0.000000	0.000000	No
	Sn 189.989 {478}	1	4	Ti	-0.001660	0.000000	No
				Fe	0.000007	0.000000	No
				Mn	0.000406	0.000000	No
				Mo	0.000058	0.000000	No
	Sr 407.771 { 83}	1	3	Ca	0.000032	0.000000	No
				Pd	0.000168	0.000000	No
				Ti	0.000000	0.000000	No
	Ti 334.904 {101}	1	4	Cr	0.000189	0.000000	No
				Mo	0.001620	0.000000	No
				Zr	0.000002	0.000000	No
				W	-0.005996	0.000000	No
	Y 360.073 { 94}*	1	None				
	Y 371.030 { 91}*	1	None				
	Y 224.306 {451}*	1	None				
	In 230.606 {446}*	1	None				
	W 207.911 {462}	1	4	Al	-0.000024	0.000000	No
				V	0.001000	0.000000	No
				Zn	0.010800	0.000000	No
				Fe	-0.000050	0.000000	No
	Zr 339.198 { 99}	1	16	Fe	-0.000058	0.000000	No
				Si	0.000088	0.000000	No
				Ba	-0.000049	0.000000	No
				Sn	0.000047	0.000000	No
				Sb	-0.000067	0.000000	No
				V	0.000030	0.000000	No
				W	0.000500	0.000000	No
				S	-0.000097	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	0.000032	0.000000	No
				Mg	0.000000	0.000000	No
				Al	-0.000027	0.000000	No
				Ca	-0.000000	0.000000	No
				Li	0.000038	0.000000	No
				Bi	0.000163	0.000000	No
				Ag	0.004400	0.000000	No
				Mn	0.000059	0.000000	No
	S 182.034 {485}	1	6	Ca	0.000065	0.000000	No
				Mo	0.001000	0.000000	No
				Al	0.000072	0.000000	No
				Fe	-0.000029	0.000000	No
				Mn	0.003600	0.000000	No
				W	-0.038955	0.000000	No
	Bi 223.061 {451}	1	2	Fe	0.000038	0.000000	No
				Ti	-0.001522	0.000000	No
	Li 670.784 { 50}	1	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.002547	2.810814	0.000000	1.000000
Be 313.042 {108}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000087	2.776984	0.000000	1.000000
Cd 228.802 {448}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000670	1.108682	0.000000	1.000000
Co 228.616 {448}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000209	0.361635	0.000000	1.000000
Cr 267.716 {126}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000005	0.076663	0.000000	1.000000
Cu 324.754 {104}2	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.003352	0.251840	0.000000	1.000000
Mn 257.610 {131}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000034	0.203356	0.000000	1.000000
Ni 231.604 {446}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000881	0.287545	0.000000	1.000000
Ag 328.068 {103}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000019	0.129943	0.000000	1.000000
V 292.402 {115}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000105	0.139637	0.000000	1.000000
Zn 206.200 {464}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000266	0.979775	0.000000	1.000000
As 189.042 {478}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000373	0.193327	0.000000	1.000000
Tl 190.856 {477}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000216	0.034849	0.000000	1.000000
Pb 220.353 {453}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000172	0.132197	0.000000	1.000000
Se 196.090 {472}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000186	0.104211	0.000000	1.000000
Sb 206.833 {463}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001129	0.254938	0.000000	1.000000
Al 396.152 { 85}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001004	0.046814	0.000000	1.000000
Ca 317.933 {106}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.007852	0.064550	0.000000	1.000000
Fe 259.940 {130}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000063	0.037518	0.000000	1.000000
Mg 279.079 {121}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000056	0.005378	0.000000	1.000000
K 766.490 { 44}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001493	0.027979	0.000000	1.000000
Na 589.592 { 57}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.006066	0.098961	0.000000	1.000000
B 208.959 {462}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000960	0.251357	0.000000	1.000000
Mo 202.030 {467}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001491	1.055614	0.000000	1.000000
Pd 340.458 { 99}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000014	0.058769	0.000000	1.000000
Si 212.412 {459}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.006988	0.274055	0.000000	1.000000
Sn 189.989 {478}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000525	0.176610	0.000000	1.000000
Sr 407.771 { 83}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000385	3.897239	0.000000	1.000000
Ti 334.904 {101}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000129	0.156314	0.000000	1.000000
Y 360.073 { 94}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.010842	0.480647	0.000000	1.000000
Zr 339.198 { 99}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000019	0.380367	0.000000	1.000000
S 182.034 {485}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000462	0.081916	0.000000	1.000000
Bi 223.061 {451}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.001087	0.361615	0.000000	1.000000
Li 670.784 { 50}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.002704	0.759022	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	0.000200	0.000667	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000070	0.000235	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000191	0.000637	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000281	0.000936	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000403	0.001344	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000317	0.001056	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000056	0.000185	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000322	0.001073	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000400	0.001333	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000312	0.001040	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000187	0.000625	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000880	0.002932	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001952	0.006506	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001048	0.003493	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002022	0.006741	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001031	0.003438	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.008841	0.029469	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003470	0.011567	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002839	0.009462	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.025378	0.084593	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.029061	0.096871	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.007785	0.025950	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000660	0.002201	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000213	0.000711	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001092	0.003641	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	0.000786	0.002619	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000090	0.000299	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000397	0.001322	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	0.000796	0.002654	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	0.002186	0.007287	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	0.004215	0.014050	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.000987	0.003289	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000163	0.000543	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002060	0.006867	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000998	0.003325	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001052	0.003507	OK.	1.000000	0.000000	1	0

MA34250

Method: ACCUTEST Operator: Admin Date of Analysis: 16 Jun 2014 15:42:54

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	16 Jun 2014 15:44:05	Std	ug/l	-	-15	1.000	1.000
STDB - 1	16 Jun 2014 15:45:23	Std	ug/l	-	906	1.000	1.000
STDC - 1	16 Jun 2014 15:46:42	Std	ug/l	-	2184	1.000	1.000
STDD - 1	16 Jun 2014 15:48:02	Std	ug/l	-	4241	1.000	1.000
STDE - 1	16 Jun 2014 15:49:25	Std	ug/l	-	11272	1.000	1.000
STDF - 1	16 Jun 2014 15:50:52	Std	ug/l	-	23517	1.000	1.000
ICV - 1	16 Jun 2014 15:53:58	SMPL	ug/l	3.0341	14082	1.000	1.000
ICB - 1	16 Jun 2014 15:55:15	SMPL	ug/l	-0.0237	-312	1.000	1.000
CCV - 1	16 Jun 2014 15:56:48	CK STND	ug/l	95.2% 2.3802	11004	1.000	1.000
CCB - 1	16 Jun 2014 15:58:04	CK STND	ug/l	-0.0056	-227	1.000	1.000
CRI - 1	16 Jun 2014 15:59:39	SMPL	ug/l	0.2248	858	1.000	1.000
MP80081-MB1 - 1	16 Jun 2014 16:01:52	SMPL	ug/l	0.0190	-111	1.000	1.000
MP80081-S1 - 1	16 Jun 2014 16:04:27	SMPL	ug/l	1.9617	9034	1.000	1.000
MP80081-S2 - 1	16 Jun 2014 16:05:44	SMPL	ug/l	2.1100	9732	1.000	1.000
JB69116-1A - 1	16 Jun 2014 16:07:16	SMPL	ug/l	0.0456	14	1.000	1.000
JB69116-2A - 1	16 Jun 2014 16:08:49	SMPL	ug/l	0.0606	85	1.000	1.000
JB69116-3A - 1	16 Jun 2014 16:10:08	SMPL	ug/l	0.0528	48	1.000	1.000
JB69137-32A - 1	16 Jun 2014 16:11:27	SMPL	ug/l	0.0689	124	1.000	1.000
JB69137-33A - 1	16 Jun 2014 16:12:46	SMPL	ug/l	0.0553	60	1.000	1.000
CCV - 1	16 Jun 2014 16:14:05	CK STND	ug/l	96.2% 2.4057	11124	1.000	1.000
CCB - 1	16 Jun 2014 16:15:20	CK STND	ug/l	0.0043	-180	1.000	1.000
MP80081-B1 - 1	16 Jun 2014 16:16:55	SMPL	ug/l	2.0624	9508	1.000	1.000
JB69137-35A - 1	16 Jun 2014 16:18:11	SMPL	ug/l	0.0201	-106	1.000	1.000
JB69137-34A - 1	16 Jun 2014 16:21:37	SMPL	ug/l	0.0751	153	1.000	1.000
JB69139-17A - 1	16 Jun 2014 16:22:53	SMPL	ug/l	0.0693	126	1.000	1.000
JB69139-18A - 1	16 Jun 2014 16:24:11	SMPL	ug/l	0.0625	94	1.000	1.000
JB68783-1 - 1	16 Jun 2014 16:25:29	SMPL	ug/l	0.0621	92	1.000	1.000
JB68783-2 - 1	16 Jun 2014 16:26:46	SMPL	ug/l	0.0700	129	1.000	1.000
JB68783-3 - 1	16 Jun 2014 16:28:04	SMPL	ug/l	0.0755	155	1.000	1.000
JB68783-5 - 1	16 Jun 2014 16:29:22	SMPL	ug/l	0.0808	180	1.000	1.000
CONF - 1	16 Jun 2014 16:30:40	SMPL	ug/l	0.0426	0	1.000	1.000
CCV - 1	16 Jun 2014 16:33:25	CK STND	ug/l	95.4% 2.3847	11025	1.000	1.000
CCB - 1	16 Jun 2014 16:34:40	CK STND	ug/l	0.0033	-185	1.000	1.000
JB68783-7 - 1	16 Jun 2014 16:36:14	SMPL	ug/l	0.0640	101	1.000	1.000
JB68135-1R - 1	16 Jun 2014 16:37:31	SMPL	ug/l	0.0560	63	1.000	1.000
JB68135-2R - 1	16 Jun 2014 16:38:49	SMPL	ug/l	0.0761	158	1.000	1.000
MP80082-MB1 - 1	16 Jun 2014 16:40:08	SMPL	ug/l	0.0288	-65	1.000	1.000
MP80082-S1 - 1	16 Jun 2014 16:42:44	SMPL	ug/l	2.0333	9371	1.000	1.000
MP80082-S2 - 1	16 Jun 2014 16:44:07	SMPL	ug/l	2.1854	10087	1.000	1.000
JB69164-1 - 1	16 Jun 2014 16:45:37	SMPL	ug/l	0.0307	-56	1.000	1.000
JB69164-2 - 1	16 Jun 2014 16:47:09	SMPL	ug/l	0.0557	62	1.000	1.000
JB69164-3 - 1	16 Jun 2014 16:48:28	SMPL	ug/l	0.0710	134	1.000	1.000
CCV - 1	16 Jun 2014 16:49:46	CK STND	ug/l	94.5% 2.3621	10919	1.000	1.000
CCB - 1	16 Jun 2014 16:51:03	CK STND	ug/l	0.0101	-153	1.000	1.000
JB69165-1 - 1	16 Jun 2014 16:52:37	SMPL	ug/l	0.0972	257	1.000	1.000
JB69165-2 - 1	16 Jun 2014 16:53:54	SMPL	ug/l	0.0840	195	1.000	1.000
JB69165-3 - 1	16 Jun 2014 16:55:13	SMPL	ug/l	0.0689	124	1.000	1.000
MP80083-MB1 - 1	16 Jun 2014 16:56:32	SMPL	ug/l	0.0107	-150	1.000	1.000
MP80083-B1 - 1	16 Jun 2014 16:57:51	SMPL	ug/l	2.0601	9497	1.000	1.000
MP80082-B1 - 1	16 Jun 2014 17:00:43	SMPL	ug/l	2.0471	9436	1.000	1.000
MP80083-S1 - 1	16 Jun 2014 17:02:00	SMPL	ug/l	2.1816	10069	1.000	1.000
MP80083-S2 - 1	16 Jun 2014 17:03:32	SMPL	ug/l	2.2682	10477	1.000	1.000
JB69187-13AB - 1	16 Jun 2014 17:05:04	SMPL	ug/l	0.0303	-58	1.000	1.000
JB69187-18AB - 1	16 Jun 2014 17:06:36	SMPL	ug/l	0.0600	82	1.000	1.000
CCV - 1	16 Jun 2014 17:07:55	CK STND	ug/l	93.7% 2.3424	10826	1.000	1.000
CCB - 1	16 Jun 2014 17:09:12	CK STND	ug/l	-0.0031	-215	1.000	1.000
JB69187-27AB - 1	16 Jun 2014 17:10:47	SMPL	ug/l	0.0702	130	1.000	1.000
JB69187-34AB - 1	16 Jun 2014 17:12:03	SMPL	ug/l	0.0615	89	1.000	1.000
JB69187-41AB - 1	16 Jun 2014 17:13:22	SMPL	ug/l	0.0564	65	1.000	1.000
JB69187-48AB - 1	16 Jun 2014 17:14:41	SMPL	ug/l	0.0664	112	1.000	1.000
JB69279-1A - 1	16 Jun 2014 17:16:01	SMPL	ug/l	0.0664	112	1.000	1.000
JB69279-2A - 1	16 Jun 2014 17:17:19	SMPL	ug/l	0.0700	129	1.000	1.000
JB69339-1A - 1	16 Jun 2014 17:18:37	SMPL	ug/l	0.0591	78	1.000	1.000
JB69339-2A - 1	16 Jun 2014 17:19:56	SMPL	ug/l	0.0579	72	1.000	1.000
JB69339-3A - 1	16 Jun 2014 17:21:14	SMPL	ug/l	0.0483	27	1.000	1.000
JB69362-5 - 1	16 Jun 2014 17:22:32	SMPL	ug/l	0.0645	103	1.000	1.000
CCV - 1	16 Jun 2014 17:23:50	CK STND	ug/l	96.3% 2.4065	11128	1.000	1.000
CCB - 1	16 Jun 2014 17:25:06	CK STND	ug/l	-0.0059	-228	1.000	1.000
JB69281-6AB - 1	16 Jun 2014 17:26:40	SMPL	ug/l	0.0666	113	1.000	1.000
MP80084-MB1 - 1	16 Jun 2014 17:27:57	SMPL	ug/l	0.0390	-17	1.000	1.000
MP80084-B1 - 1	16 Jun 2014 17:29:16	SMPL	ug/l	2.0244	9329	1.000	1.000
MP80084-S1 - 1	16 Jun 2014 17:35:20	SMPL	ug/l	1.9802	9121	1.000	1.000
MP80084-S2 - 1	16 Jun 2014 17:36:37	SMPL	ug/l	1.8973	8731	1.000	1.000
JB69076-6AB - 1	16 Jun 2014 17:38:12	SMPL	ug/l	0.0256	-80	1.000	1.000
JB69076-12AB - 1	16 Jun 2014 17:39:48	SMPL	ug/l	0.0540	54	1.000	1.000
JB69076-24AB - 1	16 Jun 2014 17:41:06	SMPL	ug/l	0.0502	36	1.000	1.000

MA34250

Method: ACCUTEST Operator: Admin Date of Analysis: 16 Jun 2014 15:42:54

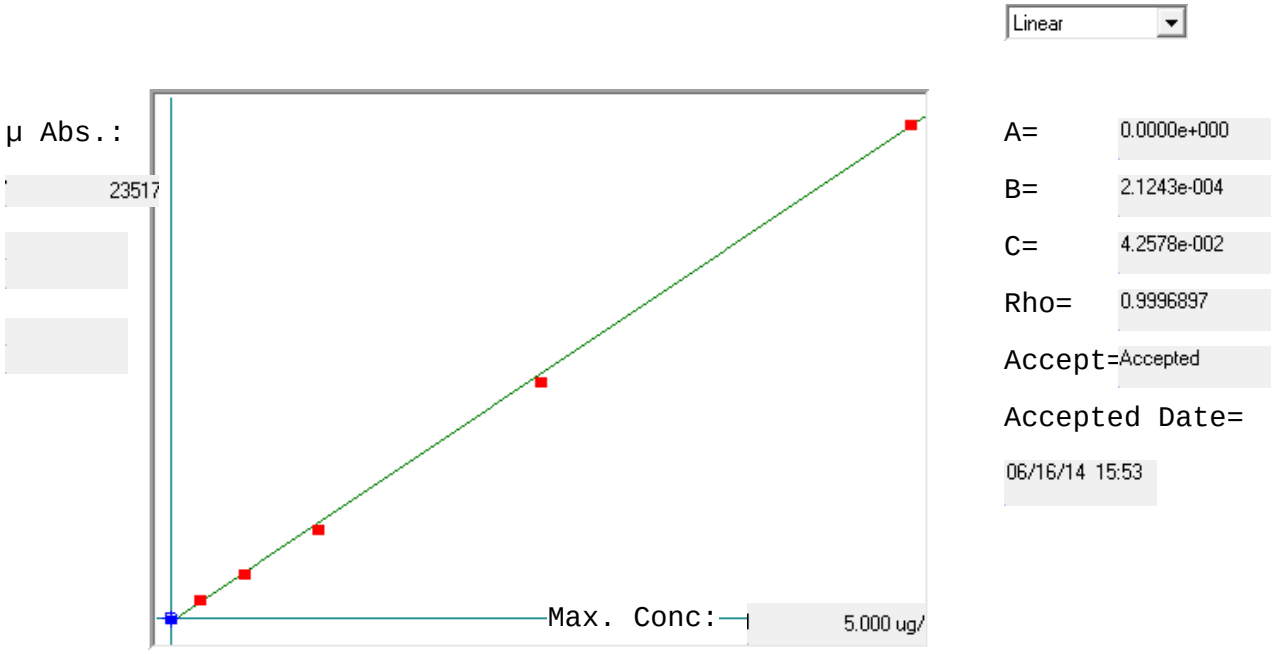
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB69076-30AB - 1	16 Jun 2014 17:42:25	SMPL	ug/l	0.0606	85	1.000	1.000
CCV - 1	16 Jun 2014 17:43:44	CK STND	ug/l	91.4% 2.2838	10550	1.000	1.000
CCB - 1	16 Jun 2014 17:44:59	CK STND	ug/l	0.0005	-198	1.000	1.000
JB69076-36AB - 1	16 Jun 2014 17:46:34	SMPL	ug/l	0.0577	71	1.000	1.000
JB69076-42AB - 1	16 Jun 2014 17:47:52	SMPL	ug/l	0.0621	92	1.000	1.000
JB69076-48AB - 1	16 Jun 2014 17:50:41	SMPL	ug/l	0.0555	61	1.000	1.000
JB69076-54AB - 1	16 Jun 2014 17:51:57	SMPL	ug/l	0.0625	94	1.000	1.000
JB69076-60AB - 1	16 Jun 2014 17:53:15	SMPL	ug/l	0.0462	17	1.000	1.000
JB69076-66AB - 1	16 Jun 2014 17:54:32	SMPL	ug/l	0.0502	36	1.000	1.000
JB69076-72AB - 1	16 Jun 2014 17:55:49	SMPL	ug/l	0.0636	99	1.000	1.000
JB69076-18AB - 1	16 Jun 2014 17:57:06	SMPL	ug/l	0.0507	38	1.000	1.000
MP80085-MB1 - 1	16 Jun 2014 18:00:20	SMPL	ug/l	0.0441	7	1.000	1.000
CCV - 1	16 Jun 2014 18:01:37	CK STND	ug/l	(L)85.4% 2.1348	9849	1.000	1.000
CCB - 1	16 Jun 2014 18:02:53	CK STND	ug/l	-0.0052	-225	1.000	1.000
MP80085-B1 - 1	16 Jun 2014 18:04:28	SMPL	ug/l	1.8653	8580	1.000	1.000
CCV - 1	16 Jun 2014 18:16:52	CK STND	ug/l	97.6% 2.4405	11288	1.000	1.000
CCB - 1	16 Jun 2014 18:18:08	CK STND	ug/l	0.0003	-199	1.000	1.000
JB69076-36AB - 1	16 Jun 2014 18:19:45	SMPL	ug/l	0.0564	65	1.000	1.000
JB69076-42AB - 1	16 Jun 2014 18:21:03	SMPL	ug/l	0.0615	89	1.000	1.000
JB69076-48AB - 1	16 Jun 2014 18:22:22	SMPL	ug/l	0.0583	74	1.000	1.000
JB69076-54AB - 1	16 Jun 2014 18:23:40	SMPL	ug/l	0.0549	58	1.000	1.000
JB69076-60AB - 1	16 Jun 2014 18:24:57	SMPL	ug/l	0.0555	61	1.000	1.000
JB69076-66AB - 1	16 Jun 2014 18:26:14	SMPL	ug/l	0.0538	53	1.000	1.000
JB69076-72AB - 1	16 Jun 2014 18:27:31	SMPL	ug/l	0.0596	80	1.000	1.000
JB69076-18AB - 1	16 Jun 2014 18:28:48	SMPL	ug/l	0.0504	37	1.000	1.000
MP80085-MB1 - 1	16 Jun 2014 18:30:05	SMPL	ug/l	0.0349	-36	1.000	1.000
CCV - 1	16 Jun 2014 18:31:23	CK STND	ug/l	94.9% 2.3721	10966	1.000	1.000
CCB - 1	16 Jun 2014 18:32:38	CK STND	ug/l	-0.0031	-215	1.000	1.000
MP80085-B1 - 1	16 Jun 2014 18:34:15	SMPL	ug/l	1.8060	8301	1.000	1.000
MP80085-S1 - 1	16 Jun 2014 18:40:52	SMPL	ug/l	2.2190	10245	1.000	1.000
MP80085-S2 - 1	16 Jun 2014 18:42:09	SMPL	ug/l	2.2073	10190	1.000	1.000
JB68866-1 - 1	16 Jun 2014 18:43:42	SMPL	ug/l	0.0732	144	1.000	1.000
JB68866-2 - 1	16 Jun 2014 18:45:15	SMPL	ug/l	0.0462	17	1.000	1.000
JB68866-3 - 1	16 Jun 2014 18:46:35	SMPL	ug/l	0.0515	42	1.000	1.000
MP80086-MB1CONF - 1	16 Jun 2014 18:47:53	SMPL	ug/l	0.1753	625	1.000	1.000
MP80086-B1CONF - 1	16 Jun 2014 18:49:12	SMPL	ug/l	0.0082	-162	1.000	1.000
MP80086-B1 - 1	16 Jun 2014 18:50:32	SMPL	ug/l	1.8196	8365	1.000	1.000
MP80086-S2CONF - 1	16 Jun 2014 18:51:50	SMPL	ug/l	0.7857	3498	1.000	1.000
CCV - 1	16 Jun 2014 18:53:23	CK STND	ug/l	91.7% 2.2927	10592	1.000	1.000
CCB - 1	16 Jun 2014 18:54:49	CK STND	ug/l	0.0177	-117	1.000	1.000
SAMPLECONF - 1	16 Jun 2014 18:56:27	SMPL	ug/l	0.6690	2949	1.000	1.000
SAMPLECONF - 1	16 Jun 2014 18:59:43	SMPL	ug/l	0.0426	0	1.000	1.000
MP80086-MB1 - 1	16 Jun 2014 19:01:33	SMPL	ug/l	0.0411	-7	1.000	1.000
SAMPLECONF - 1	16 Jun 2014 19:02:51	SMPL	ug/l	1.5143	6928	1.000	1.000
MP80086-S1 - 1	16 Jun 2014 19:04:09	SMPL	ug/l	2.2185	10243	1.000	1.000
MP80086-S2 - 1	16 Jun 2014 19:05:42	SMPL	ug/l	2.2128	10216	1.000	1.000
JB69249-1 - 1	16 Jun 2014 19:07:15	SMPL	ug/l	0.1004	272	1.000	1.000
CCV - 1	16 Jun 2014 19:08:47	CK STND	ug/l	97.2% 2.4299	11238	1.000	1.000
CCB - 1	16 Jun 2014 19:10:05	CK STND	ug/l	0.0084	-161	1.000	1.000
MP80087-MB1CONF - 1	16 Jun 2014 19:25:41	SMPL	ug/l	0.0470	21	1.000	1.000
MP80087-B1CONF - 1	16 Jun 2014 19:26:59	SMPL	ug/l	1.8166	8351	1.000	1.000
MP80087-S1CONF - 1	16 Jun 2014 19:28:16	SMPL	ug/l	1.9345	8906	1.000	1.000
MP80087-S2CONF - 1	16 Jun 2014 19:29:51	SMPL	ug/l	2.0983	9677	1.000	1.000
JB69227-1CONF - 1	16 Jun 2014 19:31:22	SMPL	ug/l	0.0326	-47	1.000	1.000
MP80088-MB1 1CONF - 1	16 Jun 2014 19:32:54	SMPL	ug/l	0.0254	-81	1.000	1.000
MP80088-LC1CONF - 1	16 Jun 2014 19:34:13	SMPL	ug/l	1.8064	8303	1.000	1.000
MP80088-S1CONF - 1	16 Jun 2014 19:35:31	SMPL	ug/l	2.0084	9254	1.000	1.000
MP80088-S2CONF - 1	16 Jun 2014 19:37:05	SMPL	ug/l	1.9309	8889	1.000	1.000
JB68341-1CONF - 1	16 Jun 2014 19:38:38	SMPL	ug/l	0.7069	3127	1.000	1.000
CCV - 1	16 Jun 2014 19:40:11	CK STND	ug/l	(L)89.1% 2.2277	10286	1.000	1.000
CCB - 1	16 Jun 2014 19:41:37	CK STND	ug/l	-0.0014	-207	1.000	1.000
JB68341-1FCONF - 1	16 Jun 2014 19:43:14	SMPL	ug/l	0.0715	136	1.000	1.000
CRI - 1	16 Jun 2014 19:44:32	SMPL	ug/l	0.2004	743	1.000	1.000
JB68352-1CONF - 1	16 Jun 2014 19:45:51	SMPL	ug/l	0.0426	0	1.000	1.000
CCV - 1	16 Jun 2014 19:56:24	CK STND	ug/l	96.8% 2.4208	11195	1.000	1.000
CCB - 1	16 Jun 2014 19:57:39	CK STND	ug/l	0.0124	-142	1.000	1.000
MP80088-MB1 1 - 1	16 Jun 2014 19:59:17	SMPL	ug/l	0.0281	-68	1.000	1.000
MP80088-S1 - 1	16 Jun 2014 20:00:34	SMPL	ug/l	1.6518	7575	1.000	1.000
MP80088-S2 - 1	16 Jun 2014 20:01:52	SMPL	ug/l	1.9919	9176	1.000	1.000
MP80088-LC1 - 1	16 Jun 2014 20:03:26	SMPL	ug/l	1.9953	9192	1.000	1.000
JB68341-1 - 1	16 Jun 2014 20:05:00	SMPL	ug/l	0.0426	0	1.000	1.000
MP80088-S1CONF - 1	16 Jun 2014 20:09:17	SMPL	ug/l	1.5455	7075	1.000	1.000
JB68341-1F - 1	16 Jun 2014 20:15:02	SMPL	ug/l	0.0825	188	1.000	1.000
CRI - 1	16 Jun 2014 20:16:19	SMPL	ug/l	0.1524	517	1.000	1.000
CCV - 1	16 Jun 2014 20:17:39	CK STND	ug/l	91.9% 2.2986	10620	1.000	1.000
CCB - 1	16 Jun 2014 20:18:57	CK STND	ug/l	0.0035	-184	1.000	1.000

MA34250

Method: ACCUTEST Operator: Admin Date of Analysis: 16 Jun 2014 15:42:54

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB68352-1 - 1	16 Jun 2014 20:20:33	SMPL	ug/l	0.4075	1718	1.000	1.000
JB68389-3 - 1	16 Jun 2014 20:21:51	SMPL	ug/l	0.0305	-57	1.000	1.000
JB68400-1 - 1	16 Jun 2014 20:23:12	SMPL	ug/l	0.5722	2493	1.000	1.000
JB68400-1F - 1	16 Jun 2014 20:24:32	SMPL	ug/l	0.0160	-125	1.000	1.000
CCV - 1	16 Jun 2014 20:25:54	CK STND	ug/l	96.7% 2.4187	11185	1.000	1.000
CCB - 1	16 Jun 2014 20:27:11	CK STND	ug/l	0.0105	-151	1.000	1.000
MP80089-MB1 2 - 1	16 Jun 2014 20:28:49	SMPL	ug/l	0.0230	-92	1.000	1.000
MP80089-LC1 - 1	16 Jun 2014 20:30:07	SMPL	ug/l	1.8500	8508	1.000	1.000
MP80089-S1 - 1	16 Jun 2014 20:31:25	SMPL	ug/l	1.9961	9196	1.000	1.000
MP80089-S2 - 1	16 Jun 2014 20:33:00	SMPL	ug/l	2.0324	9367	1.000	1.000
JB68341-1A - 1	16 Jun 2014 20:34:34	SMPL	ug/l	0.7451	3307	1.000	1.000
JB68341-1AF - 1	16 Jun 2014 20:36:08	SMPL	ug/l	-0.0093	-244	1.000	1.000
JB68352-1A - 1	16 Jun 2014 20:37:34	SMPL	ug/l	0.0458	15	1.000	1.000
JB68352-1F - 1	16 Jun 2014 20:38:53	SMPL	ug/l	0.0598	81	1.000	1.000
CCV - 1	16 Jun 2014 20:40:12	CK STND	ug/l	94.7% 2.3670	10942	1.000	1.000
CCB - 1	16 Jun 2014 20:41:28	CK STND	ug/l	0.0147	-131	1.000	1.000
CONF - 1	16 Jun 2014 20:43:06	SMPL	ug/l	0.0984	263	1.000	1.000
JB68400-1A - 1	16 Jun 2014 20:52:12	SMPL	ug/l	0.0426	0	1.000	1.000
JB68400-1A - 1	16 Jun 2014 20:55:33	SMPL	ug/l	0.6004	2626	1.000	1.000
JB68400-1AF - 1	16 Jun 2014 20:56:49	SMPL	ug/l	0.0179	-116	1.000	1.000
JB68261-1 - 1	16 Jun 2014 20:58:11	SMPL	ug/l	0.0730	143	1.000	1.000
JB68261-2 - 1	16 Jun 2014 20:59:28	SMPL	ug/l	0.1044	291	1.000	1.000
JB68261-3 - 1	16 Jun 2014 21:00:47	SMPL	ug/l	0.0868	208	1.000	1.000
JB68266-16 - 1	16 Jun 2014 21:02:06	SMPL	ug/l	0.1023	281	1.000	1.000
CCV - 1	16 Jun 2014 21:03:25	CK STND	ug/l	92.8% 2.3209	10725	1.000	1.000
CCB - 1	16 Jun 2014 21:04:42	CK STND	ug/l	0.0084	-161	1.000	1.000
JB68285-1 - 1	16 Jun 2014 21:06:19	SMPL	ug/l	0.0751	153	1.000	1.000
JB68285-2 - 1	16 Jun 2014 21:07:37	SMPL	ug/l	0.0887	217	1.000	1.000
JB68285-3 - 1	16 Jun 2014 21:08:57	SMPL	ug/l	0.0817	184	1.000	1.000
JB68285-4 - 1	16 Jun 2014 21:10:17	SMPL	ug/l	0.0719	138	1.000	1.000
JB68285-5 - 1	16 Jun 2014 21:11:35	SMPL	ug/l	0.0817	184	1.000	1.000
JB68285-6 - 1	16 Jun 2014 21:12:52	SMPL	ug/l	0.0817	184	1.000	1.000
JB68285-7 - 1	16 Jun 2014 21:14:10	SMPL	ug/l	0.0776	165	1.000	1.000
JB68285-8 - 1	16 Jun 2014 21:15:29	SMPL	ug/l	0.0706	132	1.000	1.000
JB68318-6 - 1	16 Jun 2014 21:16:47	SMPL	ug/l	0.0640	101	1.000	1.000
CCV - 1	16 Jun 2014 21:18:05	CK STND	ug/l	95.3% 2.3817	11011	1.000	1.000
CCB - 1	16 Jun 2014 21:19:22	CK STND	ug/l	0.0198	-107	1.000	1.000
MP80090-MB1 - 1	16 Jun 2014 21:20:59	SMPL	ug/l	0.0496	33	1.000	1.000
MP80090-S1 - 1	16 Jun 2014 21:22:16	SMPL	ug/l	1.5298	7001	1.000	1.000
MP80090-S2 - 1	16 Jun 2014 21:23:34	SMPL	ug/l	1.9143	8811	1.000	1.000
MP80090-LC1 - 1	16 Jun 2014 21:25:07	SMPL	ug/l	2.0312	9361	1.000	1.000
JB68363-1 - 1	16 Jun 2014 21:26:40	SMPL	ug/l	0.0504	37	1.000	1.000
JB68363-2 - 1	16 Jun 2014 21:28:15	SMPL	ug/l	0.0770	162	1.000	1.000
JB68363-3 - 1	16 Jun 2014 21:29:35	SMPL	ug/l	0.0662	111	1.000	1.000
CCV - 1	16 Jun 2014 21:30:53	CK STND	ug/l	92.1% 2.3022	10637	1.000	1.000
CCB - 1	16 Jun 2014 21:32:10	CK STND	ug/l	0.0122	-143	1.000	1.000
JB68332-1FA - 1	16 Jun 2014 21:33:47	SMPL	ug/l	0.0600	82	1.000	1.000
JB68332-2FA - 1	16 Jun 2014 21:35:05	SMPL	ug/l	0.0916	231	1.000	1.000
JB68332-3FA - 1	16 Jun 2014 21:36:23	SMPL	ug/l	0.0617	90	1.000	1.000
JB68332-4FA - 1	16 Jun 2014 21:37:42	SMPL	ug/l	0.0861	205	1.000	1.000
JB68332-5FA - 1	16 Jun 2014 21:39:00	SMPL	ug/l	0.0594	79	1.000	1.000
JB68332-6FA - 1	16 Jun 2014 21:40:19	SMPL	ug/l	0.1165	348	1.000	1.000
JB68332-8FA - 1	16 Jun 2014 21:41:38	SMPL	ug/l	0.1027	283	1.000	1.000
CCV - 1	16 Jun 2014 21:42:57	CK STND	ug/l	92.5% 2.3114	10680	1.000	1.000
CCB - 1	16 Jun 2014 21:44:14	CK STND	ug/l	0.0082	-162	1.000	1.000
JB69140-2 - 1	16 Jun 2014 21:45:52	SMPL	ug/l	0.0704	131	1.000	1.000
JB69141-2 - 1	16 Jun 2014 21:47:09	SMPL	ug/l	0.0693	126	1.000	1.000
JB68343-1 - 1	16 Jun 2014 21:48:28	SMPL	ug/l	0.0685	122	1.000	1.000
CCV - 1	16 Jun 2014 21:49:48	CK STND	ug/l	93.9% 2.3481	10853	1.000	1.000
CCB - 1	16 Jun 2014 21:51:05	CK STND	ug/l	0.0150	-130	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	0.039	0.039	-15	0.000	-15				
STDB	0.200	0.235	0.035	906	0.0 %	906				
STDC	0.500	0.507	0.007	2184	0.0 %	2184				
STDD	1.000	0.944	-0.056	4241	0.0 %	4241				
STDE	2.500	2.437	-0.063	11272	0.0 %	11272				
STDF	5.000	5.038	0.038	23517	0.0 %	23517				

MA34252

Method: ACCUTEST Operator: Admin Date of Analysis: 16 Jun 2014 15:01:27

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	16 Jun 2014 15:01:42	Std	ug/l	-	-20	1.000	1.000
STDB - 1	16 Jun 2014 15:02:59	Std	ug/l	-	1485	1.000	1.000
STDC - 1	16 Jun 2014 15:04:18	Std	ug/l	-	3711	1.000	1.000
STDD - 1	16 Jun 2014 15:05:38	Std	ug/l	-	7349	1.000	1.000
STDE - 1	16 Jun 2014 15:07:00	Std	ug/l	-	19700	1.000	1.000
STDF - 1	16 Jun 2014 15:08:27	Std	ug/l	-	37894	1.000	1.000
ICV - 1	16 Jun 2014 15:18:09	SMPL	ug/l	3.0853	23539	1.000	1.000
ICB - 1	16 Jun 2014 15:19:27	SMPL	ug/l	-0.0003	-26	1.000	1.000
CCV - 1	16 Jun 2014 15:20:59	CK STND	ug/l	102.6% 2.5652	19567	1.000	1.000
CCB - 1	16 Jun 2014 15:22:17	CK STND	ug/l	0.0148	89	1.000	1.000
CRI - 1	16 Jun 2014 15:23:47	SMPL	ug/l	0.2121	1596	1.000	1.000
MP80065-MB1 - 1	16 Jun 2014 15:44:13	SMPL	ug/l	0.0353	246	1.000	1.000
MP80065-LC1 - 1	16 Jun 2014 15:45:30	SMPL	ug/l	5.6445	21530	1.000	2.000
MP80065-S1 - 1	16 Jun 2014 15:46:49	SMPL	ug/l	2.2274	16987	1.000	1.000
MP80065-S2 - 1	16 Jun 2014 15:48:20	SMPL	ug/l	2.3310	17778	1.000	1.000
JB68943-15 - 1	16 Jun 2014 15:49:50	SMPL	ug/l	0.4293	3255	1.000	1.000
JB68943-10 - 1	16 Jun 2014 15:51:21	SMPL	ug/l	0.2804	2118	1.000	1.000
JB68943-11 - 1	16 Jun 2014 15:52:43	SMPL	ug/l	0.4950	3757	1.000	1.000
JB68943-12 - 1	16 Jun 2014 15:54:04	SMPL	ug/l	0.1640	1229	1.000	1.000
CCV - 1	16 Jun 2014 15:55:28	CK STND	ug/l	103.8% 2.5952	19796	1.000	1.000
CCB - 1	16 Jun 2014 15:56:45	CK STND	ug/l	0.0028	-2	1.000	1.000
JB68943-13 - 1	16 Jun 2014 15:58:18	SMPL	ug/l	0.1770	1328	1.000	1.000
JB68943-14 - 1	16 Jun 2014 15:59:36	SMPL	ug/l	0.3306	2501	1.000	1.000
JB68943-16 - 1	16 Jun 2014 16:00:56	SMPL	ug/l	0.3446	2608	1.000	1.000
JB68943-17 - 1	16 Jun 2014 16:02:16	SMPL	ug/l	0.2685	2027	1.000	1.000
JB68491-1R - 1	16 Jun 2014 16:03:39	SMPL	ug/l	0.8901	6774	1.000	1.000
JB68759-8A - 1	16 Jun 2014 16:04:59	SMPL	ug/l	0.0354	247	1.000	1.000
JB68759-13A - 1	16 Jun 2014 16:06:27	SMPL	ug/l	0.0679	495	1.000	1.000
JB68759-17A - 1	16 Jun 2014 16:07:46	SMPL	ug/l	0.2332	1757	1.000	1.000
JB68364-1 - 1	16 Jun 2014 16:09:05	SMPL	ug/l	0.1090	809	1.000	1.000
CCV - 1	16 Jun 2014 16:10:25	CK STND	ug/l	102.8% 2.5704	19607	1.000	1.000
CCB - 1	16 Jun 2014 16:11:43	CK STND	ug/l	-0.0030	-47	1.000	1.000
JB68364-2 - 1	16 Jun 2014 16:13:17	SMPL	ug/l	0.2692	2032	1.000	1.000
JB68364-3 - 1	16 Jun 2014 16:14:36	SMPL	ug/l	0.2749	2076	1.000	1.000
JB68364-4 - 1	16 Jun 2014 16:15:56	SMPL	ug/l	0.3679	2786	1.000	1.000
JB68364-5 - 1	16 Jun 2014 16:17:17	SMPL	ug/l	0.4664	3538	1.000	1.000
JB68364-6 - 1	16 Jun 2014 16:18:40	SMPL	ug/l	0.2941	2222	1.000	1.000
JB68364-7 - 1	16 Jun 2014 16:20:01	SMPL	ug/l	1.0230	7789	1.000	1.000
JB68364-8 - 1	16 Jun 2014 16:21:22	SMPL	ug/l	0.2795	2111	1.000	1.000
MP80066-MB1 - 1	16 Jun 2014 16:22:49	SMPL	ug/l	0.0250	167	1.000	1.000
MP80066-LC1 - 1	16 Jun 2014 16:24:10	SMPL	ug/l	5.5706	21248	1.000	2.000
CCV - 1	16 Jun 2014 16:25:28	CK STND	ug/l	104.1% 2.6027	19853	1.000	1.000
CCB - 1	16 Jun 2014 16:26:58	CK STND	ug/l	0.0080	37	1.000	1.000
MP80066-S1 - 1	16 Jun 2014 16:28:30	SMPL	ug/l	2.2821	17405	1.000	1.000
MP80066-S2 - 1	16 Jun 2014 16:29:48	SMPL	ug/l	2.1256	16210	1.000	1.000
JB68291-2 - 1	16 Jun 2014 16:31:20	SMPL	ug/l	0.2685	2027	1.000	1.000
JB68291-3 - 1	16 Jun 2014 16:32:49		ug/l	HIGH	229901	1.000	1.000
RINSECONF - 1	16 Jun 2014 16:36:35	SMPL	ug/l	0.0396	279	1.000	1.000
JB68291-1 - 1	16 Jun 2014 16:37:52	SMPL	ug/l	1.6193	12343	1.000	1.000
JB68291-4 - 1	16 Jun 2014 16:39:12	SMPL	ug/l	1.8897	14408	1.000	1.000
JB68347-2 - 1	16 Jun 2014 16:40:42	SMPL	ug/l	1.5976	12177	1.000	1.000
JB68347-4 - 1	16 Jun 2014 16:42:12	SMPL	ug/l	0.1098	815	1.000	1.000
CCV - 1	16 Jun 2014 16:43:41	CK STND	ug/l	106.0% 2.6495	20211	1.000	1.000
CCB - 1	16 Jun 2014 16:44:59	CK STND	ug/l	0.0042	8	1.000	1.000
JB68347-3T - 1	16 Jun 2014 16:46:30	SMPL	ug/l	0.7335	5578	1.000	1.000
JB68260-1 - 1	16 Jun 2014 16:49:34	SMPL	ug/l	1.0637	8100	1.000	1.000
JB68772-1 - 1	16 Jun 2014 16:50:51	SMPL	ug/l	0.1567	1173	1.000	1.000
JB68772-2 - 1	16 Jun 2014 16:52:17	SMPL	ug/l	0.0844	621	1.000	1.000
JB68318-1 - 1	16 Jun 2014 16:53:37	SMPL	ug/l	0.0700	511	1.000	1.000
JB68318-2 - 1	16 Jun 2014 16:54:57	SMPL	ug/l	0.0696	508	1.000	1.000
JB68318-3 - 1	16 Jun 2014 16:56:16	SMPL	ug/l	0.0620	450	1.000	1.000
JB68318-4 - 1	16 Jun 2014 16:57:36	SMPL	ug/l	0.0648	471	1.000	1.000
JB68318-5 - 1	16 Jun 2014 16:58:55	SMPL	ug/l	0.0695	507	1.000	1.000
CCV - 1	16 Jun 2014 17:00:14	CK STND	ug/l	105.8% 2.6443	20171	1.000	1.000
CCB - 1	16 Jun 2014 17:01:32	CK STND	ug/l	0.0062	24	1.000	1.000
JB68318-8 - 1	16 Jun 2014 17:03:03	SMPL	ug/l	0.2021	1520	1.000	1.000
JB68318-9 - 1	16 Jun 2014 17:04:22	SMPL	ug/l	0.3879	2939	1.000	1.000
SAMPLECONF - 1	16 Jun 2014 17:05:44	SMPL	ug/l	5.1265	39128	1.000	1.000
JB68350-1 - 1	16 Jun 2014 17:07:04	SMPL	ug/l	2.1819	16640	1.000	1.000

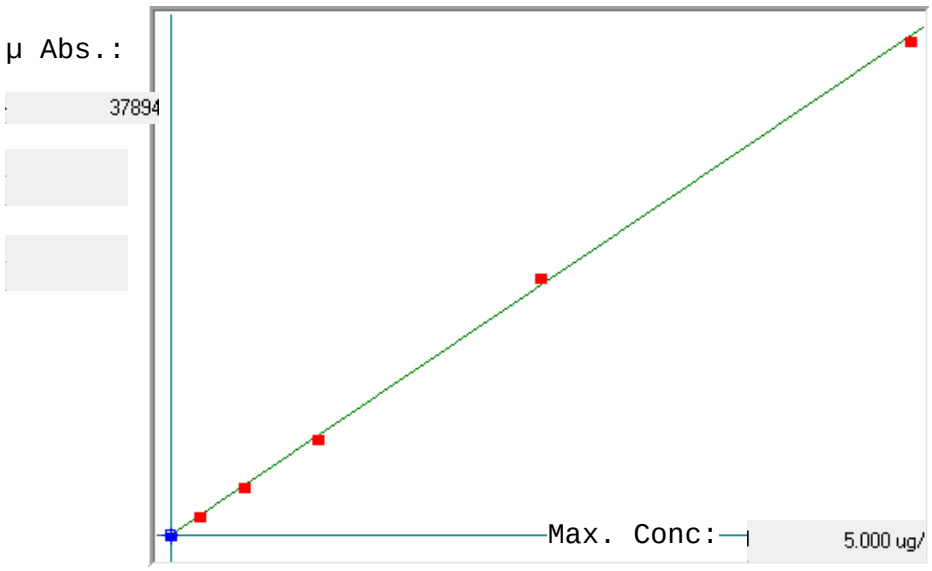
MA34252

Method: ACCUTEST Operator: Admin Date of Analysis: 16 Jun 2014 15:01:27

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB68350-2 - 1	16 Jun 2014 17:10:14	SMPL	ug/l	0.5622	4270	1.000	1.000
JB68291-3 - 1	16 Jun 2014 17:22:59	SMPL	ug/l	50.1125	19112	1.000	20.000
CONF - 1	16 Jun 2014 17:24:17	SMPL	ug/l	0.0031	0	1.000	1.000
CONF - 1	16 Jun 2014 17:25:12	SMPL	ug/l	0.3357	1258	1.000	2.000
JB68318-10 - 1	16 Jun 2014 17:27:33	SMPL	ug/l	0.4314	3271	1.000	1.000
CCV - 1	16 Jun 2014 17:29:29	CK STND	ug/l	105.8% 2.6439	20168	1.000	1.000
CCB - 1	16 Jun 2014 17:30:45	CK STND	ug/l	0.0049	14	1.000	1.000
CRI - 1	16 Jun 2014 17:33:24	SMPL	ug/l	0.2135	1607	1.000	1.000
CCV - 1	16 Jun 2014 17:34:58	CK STND	ug/l	106.4% 2.6605	20295	1.000	1.000
CCB - 1	16 Jun 2014 17:36:15	CK STND	ug/l	0.0094	48	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 1.3094e-004

C= 3.1073e-003

Rho= 0.9997455

Accept=Accepted

Accepted Date=

06/16/14 15:15

11.6.1 11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	0.000	0.000	-20	0.000	-20				
STDB	0.200	0.198	-0.002	1485	0.0 %	1485				
STDC	0.500	0.489	-0.011	3711	0.0 %	3711				
STDD	1.000	0.965	-0.035	7349	0.0 %	7349				
STDE	2.500	2.583	0.083	19700	0.0 %	19700				
STDF	5.000	4.965	-0.035	37894	0.0 %	37894				

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34250
Analyst: JW
Date: 6/16/14
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: 10:30 Temp: 95° End time: 12:30 Temp: 95° Tubes: 1050
Hot Block ID ___: Start Time ___ Temp: ___ End time: ___ Temp: ___ Tubes: ___

Bot #	Sample ID	pH <2 Y/N	Initial Samp Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		30	30	3.0 ML	Y	0.03		0.030 ppm Hg std.(Ext)
2	ICB								
	CCV				2.5 ML	Y	0.03		0.030 ppm Hg std.
	CCB								
3	CRA				2.0 ML	Y	0.003		0.003 ppm Hg std.
4	mp8ww1mb1	Y						MP8WW1	TCLP (30)
5	1b1				2.0	Y	0.03		
6	S1					Y			
7	S2					Y			
8	JB69116-1A	Y							
9	-2A								
10	-3A								
11	JB69137-3A								
12	-33A								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
13	JB69137-36A								
14	-35A								
15	JB69139-17A								
16	-18A								
17	JB68783-1								
18	-2								
19	-3								
20	-5								
21	-7								
22	JB68135-1R								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
23	JB68135-2R								
24	mp8ww2mb1	Y						MP8WW2	TCLP (33)
25	1b1				2.0	Y	0.03		
26	S1					Y			
27	S2					Y			
28	JB69164-1	Y							
29	-2								
30	-3								
31	JB69165-1								
32	-2								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02
Revision Date: 03/25/13

ANALYST: [signature]
QC REVIEWER: ___

DATE: 6/16/14
DATE: ___

11.7.1 11

ACCUTEST

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA 34250
Analyst: CW
Date: 6/16/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 420

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion: Hot Block ID 3 Start Time: 10:30 Temp: 95 C End time: 12:30 Temp: 95 C Tubes: 51 to 81

Hot Block ID 8 Start Time 10:30 Temp: " End time 12:30 Temp: " Tubes: 82 to 100

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	JB69165-3	Y	30	30					
34	mp80083-MB1	~						80083	TC 6/17/14
35	LCS1				2.0	Y	0.03		
36	LCSD1					Y			
37	LCS2					Y			JB69187-(3A)3
38	JB69187-3A13	~							
39	-18A13	Y							
40	-27A13								
41	-34A13								
42	-41A13								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
43	JB69187-68A13								
44	JB69279-1A								
45	-2A								
46	JB69339-1A								
47	-2A								
48	-3A								
49	JB69362-5								
50	JB69281-6A13	~							
51	mp80084-MB1	~						80084	
52	LCS1				2.0				
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
53	mp80082-S1				2.0	Y	0.03		
54	LCS2				2.0	Y	0.03		JB69076-6A13
55	JB69076-6A13	~							
56	-12A13	Y							
57	-24A13								
58	-30A13								
59	-36A13								
60	-42A13								
61	-48A13								
62	-54A13								
	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: 6/16/14
DATE:

11.7.1 11

ACCUTEST.

.Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34250
Analyst: JW
Date: 6/16/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 42

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID 8 Start Time: 12:30 Temp: 95.1 End time: 16:30 Temp: 95.1 Tubes: 82 to 100

Hot Block ID ___ Start Time _____ Temp: _____ End time: _____ Temp: _____ Tubes: _____

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
63	JB69076-1S	Y							
64	mp80085mb1	~						80085	
65	mb1								
66	ls1								
67	ls2								JB68866-1
68	JB68866-1								
69	-2	Y							
70	-3								
71	-1F								
72	mp80086mb1	~						80086	
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
73	mb1								
74	ls1		5ml						
75	ls2		5ml						
76	JB69269-1		5ml						milky & Decolor.
77	mp80087mb1	~						80087	
78	mb1								
79	ls1								
80	ls2								
81	JB69227-1								
82	mp80088mb1	~						80088	ZSP/1
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
83	mp80088lcs	~							
84	ls1	Y							
85	ls2								JB68389-3
86	JB68364-1	Y	5ml						Brown & muddy
87	-1F								
88	~~JB68364-1~~								
89	JB68352-1		5ml						Brown & muddy
90	JB68389-3								
91	JB68400-1		5ml						Brown & muddy
92	-1F								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
93	mp80089mb1	~						80089	SW846
94	lcs1								
95	ls1	~							
96	ls2								JB68361-1
97	JB68364-1A	Y	5ml						Brown & muddy
98	-1AF								
99	JB68352-1A		5ml						Brown & muddy
100	-1F								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02

ANALYST: _____

DATE: 6/16/14

11.7.1 11

ACCUTEST.

(2)

Mercury Digestion Log

Product HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA 34250
Analyst: (RV)
Date: 6/16/14
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: 12:30 Temp: 95 End time: 1430 Temp: 95 Tubes: 4 7 0 38

Hot Block ID ___ Start Time _____ Temp: ____ End time: ____ Temp: ____ Tubes: _____

Bot #	Sample ID	pH <2 Y/N	Initial Samp Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		30	30	3.0 ML		0.03		0.030 ppm Hg std.(Ext)
2	ICB								
	CCV				2.5 ML		0.03		0.030 ppm Hg std.
	CCB								
3	CRA				2.0 ML		0.003		0.003 ppm Hg std.
4	JB68400-1A	Y	5mL						
5	-1A2		30						Brown A 6/16/14
6	JB68261-1								
7	-3								
8	-3								
9	JB68266-6		10mL						
10	JB68285-1		30						Brown A 6/16/14
11	-2								
12	-3								
	CCV				2.5 ML	V	0.03		0.03 ppm Hg std.
	CCB								
13	JB68285-4								
14	-5								
15	-6								
16	-7								
17	-8								
18	JB68318-6								
19	MB80090-MS1	N						80090	
20	LCS1				2.0	V	0.03		
21	S1	Y				V			
22	S2					V			JB68363-1
	CCV				2.5 ML	V	0.03		0.03 ppm Hg std.
	CCB								
23	JB68363-1								
24	-2								
25	-3								
26	JB68332-1FA								
27	-2								
28	-3								
29	-4								
30	-5								
31	-6								
32	-8								
	CCV				2.5 ML	V	0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02
Revision Date: 03/25/13

ANALYST: _____
QC REVIEWER: _____

DATE: 6/16/14
DATE: _____

11.7.1 11

ACCUTEST

(2)

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA 34250
Analyst:
Date: 6/6/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 020

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID 2 Start Time: 12:30 Temp: 95° End time: 6:30 Temp: 95° Tubes: 4 to 38

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	JB69140-2	Y	30	30					
34	JB69141-2								
35	JB68363-1								
36	JB69076-6A/MS								
37	6A/MSD							80084	JC 6/7
38	7A/MS		X						
39									
40									
41									
42									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

11.7.1 11

Form GN022A-02
Revision Date: 03/25/13

ANALYST: _____
QC REVIEWER: _____

DATE: 6/6/14
DATE: _____

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG / HGCLP
Matrix: Aq / Liq

MA Batch #: MA34250
Analyst: JW
Date: 6/16/14
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: 1030 Temp: 95 C End time: 1213 Temp: 95 C

Water Bath Start Time: _____ Temp: _____ End time: _____ Temp: _____

Bot #	Sample ID	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	30 ml	30 ml	0.0 ml				
S-2	0.20 ug/l standard	30 ml	30 ml	2.0 ml	Y	0.0030		
S-3	0.50 ug/l standard	30 ml	30 ml	5.0 ml	Y	0.0030		
S-4	1.00 ug/l standard	30 ml	30 ml	1.0 ml	Y	0.0300		
S-5	2.50 ug/l standard	30 ml	30 ml	2.5 ml	Y	0.0300		
S-6	5.00 ug/l standard	30 ml	30 ml	5.0 ml	Y	0.0300		

Analyst: _____ Date: 6/16/14
QC Reviewer: _____ Date: _____

Form: GN-022A3
Rev. Date: 03/25/13

ACCUTEST.

Reagent Information Log- Hg Waters

MA # 34250

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 144889
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	6/17/14	HG-1486-78-HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA JO1211
STD Hg standard solu ion 30 ppb	6/17/14	HG-1487-75-HGA3
STD Hg standard solu ion 3 ppb	6/17/14	HG-1486-76-HGA4
ICV Hg standard solution 1000 ppm	2/1/2015	IN ORG VENTURE F2-HG0215
ICV Hg standard soluti on 30 ppb	6/17/14	HG-1487-77-HGB3
Dilution Acid	12/11/14	HG-1486-67-HGD2(AQ)
Digestion Tubes Lot	N/A	HG- EXPIRES --HGD2(AQ) 1312222
pH Paper	N/A	Hydrion Papers 1 to 12, Lot #

Form: GN087A79-03
Rev. Date: 02/27/13

11.7.1 11

ACCUTEST.

(E4) DP 6/16/14 MA34252

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Analyst:	~~MA34242~~ DARSHAP
Date:	6/16/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Type of Digestion: Hot:Block#: 7 Hot Block: Start Time: 10:30 Temp: 95 ~~95~~ 98 End Time: 11:00 Temp: 95 ~~95~~ 93 Tubes 4·27
Hot:Block#: 7 Hot:Block: Start Time: 11:00 Temp: 95 ~~95~~ 98 End Time: 11:30 T Temp: 95 ~~95~~ 95 Tubes 28·75

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	MP80063-MB1	0.6000					MP80063	
5	MP80063-LC1	0.1015						
6	MP80063-S1	0.6343		2.0ml	Y	0.1		JB69187-27A
7	MP80063-S2	0.6482		2.0ml	Y	0.1		JB69187-27A
8	JB69187-27A	0.6095						
9	JB69187-13A	0.6748						
10	JB69187-18A	0.6383						
11	JB69187-34A	0.6325						
12	JB69187-41A	0.6422						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB69187-48A	0.6281						
14	JB69116-1	0.6758						
15	JB69116-2	0.6628						
16	JB69116-3	0.6457						
17	JB68760-11A	0.6600						
18	JB68760-12A	0.6279						
19	JB68940-6A	0.6243						
20	JB68940-12A	0.6340						
21	JB68940-18A	0.6743						
22	JB68940-24A	0.6170						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB68940-30A	0.6381						
24	JB68940-36A	0.6448						
25	JB68940-42A	0.6431						
26	JB68940-48A	0.6137						
27	JB68940-54A	0.6679						
28	MP80064-MB1	0.6000					MP80064	
29	MP80064-LC1	0.1009						
30	MP80064-S1	0.6296		2.0ml	Y	0.1		JB69137-33
31	MP80064-S2	0.6331		2.0ml	Y	0.1		JB69137-33
32	JB69137-33	0.6469						
	CCV			2.5 ml	Y	0.1		
	CCB							

Run in MA 34242

Form: GN-022F
Revision Date:06/09/08

ANALYST: 6/16/14
QC REVIEWER: RM

DATE: 6/16/14
DATE: 6/16/14

ACCUTEST

FH DP 6/16/14 MA34252

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Analyst:	~~MA34242~~ DARSHAP
Date:	6/16/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Type of Digestion: Hot:Block#: 7 Hot Block: Start Time: 11:30 Temp: 95+2-5 End Time: 11:20 Temp: 95 +2-5 Tubes 28-75
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	JB69137-32	0.6387	100					Rerun MA34252
34	JB69137-34	0.6136						
35	JB69137-35	0.6445						
36	JB69140-1	0.6413						
37	JB69141-1	0.6296						
38	JB68940-60A	0.6186						
39	JB68940-66A	0.6072						
40	JB68940-72A	0.6398						
41	JB68940-78A	0.6616						
42	JB68940-84A	0.6276						
	CCV			**2.5 ml**	**Y**	**0.1**		
	CCB							
43	JB69369-7	0.6192						
44	JB69369-8	0.6329						
45	JB69369-9	0.6571						
46	JB69369-10	0.6396						
47	JB69369-11	0.6474						
48	JB68402-6R	0.6610						
49	JB68402-7R	0.6490						
50	JB68402-9R	0.6046						
51	JB68402-10R	0.6419						
52	MP80065-MB1	0.6000					MP80065	
	CCV			**2.5 ml**	**Y**	**0.1**		
	CCB							
53	MP80065-LC1	0.1008						
54	MP80065-S1	0.6494		**2.0ml**	**Y**	**0.1**		JB68943-15
55	MP80065-S2	0.6387		**2.0ml**	**Y**	**0.1**		JB68943-15
56	JB68943-15	0.6435						
57	JB68943-10	0.6577						
58	JB68943-11	0.6591						
59	JB68943-12	0.6861						
60	JB68943-13	0.6169						
61	JB68943-14	0.6623						
62	JB68943-16	0.6499						
	CCV			**2.5 ml**	**Y**	**0.1**		
	CCB							
63	JB68943-17	0.6589						
64	JB68491-1R	0.6238						
65	JB68759-8A	0.6077						
66	JB68759-13A	0.6493						

Form: GN-022F
Revision Date:06/09/08

ANALYST: Darsh **DATE:** 6/16/14
QC REVIEWER: _____ **DATE:** _____

ACCUTEST

#4220 6/14/14

MA34252

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Analyst:	DARSHAP
Date:	6/16/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Type of Digestion: Hot:Block#: 7 Hot Block: Start Time: 13:26 Temp: 95-102-95 End Time: 13:30 Temp: 95-95 Tubes 76-99
Hot:Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used Amount Spiked	Spike Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
67	JB68759-17A	0.6730	100					
68	JB68364-1	0.6558						
69	JB68364-2	0.6189						
70	JB68364-3	0.6123						
71	JB68364-4	0.6536						
72	JB68364-5	0.6314						
	CCV			2.5 ml	Y	0.1		
	CCB							
73	JB68364-6	0.6207						
74	JB68364-7	0.6052						
75	JB68364-8	0.6373						
76	MP80066-MB1	0.6000					MP80066	
77	MP80066-LC1	0.1007						
78	MP80066-S1	0.6342		2.0ml	Y	0.1		JB68291-2
79	MP80066-S2	0.6415		2.0ml	Y	0.1		JB68291-2
80	JB68291-2	0.6319						
81	JB68291-1	0.6773						
82	JB68291-3	0.6081						
	CCV			2.5 ml		0.1		
	CCB							
83	JB68291-4	0.6648						
84	JB68347-2	0.6267						
85	JB68347-4	0.6425						
86	JB68347-3T	0.6141						
87	JB68260-1	0.6302						
88	JB68772-1	0.6278						
89	JB68772-2	0.6560						
90	JB68318-1	0.6379						
91	JB68318-2	0.6502						
92	JB68318-3	0.6423						
	CCV			2.5 ml		0.1		
	CCB							
93	JB68318-4	0.6718						
94	JB68318-5	0.6233						
95	JB68318-8	1.5943						
96	JB68318-9	1.5557						
97	JB68318-10	1.5946						
98	JB68350-1	0.6602						
99	JB68350-2	0.6116						
100								
101								
102								
	CCV			2.5 ml		0.1		
	CCB							
103								
104								
105								
106								
107	Form: GN-022F			ANALYST:			DATE:	6/16/14
108	Revision Date:06/09/08			QC REVIEWER:			DATE:	

11.7.2 11

ACCUTEST.

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

MA Batch #:	MA34252
Analyst:	DARSHAP
Date:	6/16/2014
Balance ID:	24
Reagents:	See attached sheet
Thermometer ID:	420

Type of Digestion: Hot Block#: 7 Hot:Block: Start Time: 10:30 Temp:_____ End Time: 11:00 T Temp: Tubes
Hot Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Vol in ml	Final Sample Vol in ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	100 ml	100 ml	N/A	N	N/A	N/A	N/A
S-2	0.20 ug/l standard	100 ml	100 ml	2.0 ml	Y	0.0100	N/A	
S-3	0.50 ug/l standard	100 ml	100 ml	5.0 ml	Y	0.0100	N/A	
S-4	1.00 ug/l standard	100 ml	100 ml	1.0 ml	Y	0.1000	N/A	
S-5	2.50 ug/l standard	100 ml	100 ml	2.5 ml	Y	0.1000	N/A	
S-6	5.00 us/l standard	100 ml	100 ml	5.0 ml	Y	0.1000	N/A	

Analyst: [signature] **Date:** 6/16/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34252

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 141489
Conc. Nitric Acid	6/16	Baker 74185
Sodium Chloride-Hydroxylamine Hydrochloride	12/12/14	HG-- 1492 78 --HGHCL
Potassium Permanganate	12/12/14	HG-- 1492 76 --HGKM2
Stannous Chloride	6/17/14	HG-- 1492 88 --HGS
STD Hg standard solution 1000 ppm	1/31/16	Ultra- J60131
STD Hg standard solution 100 ppb	6/17/14	HG-- 1492 85 --HGA1
STD Hg standard solution 10 ppb	6/17/14	HG-- 1492 86 --HGA2
ICV Hg standard solution 1000 ppm	2/1/15	In.Org.Venture: Fz-Hg 02105
ICV Hg standard solution 50 ppb	6/17/14	HG-- 1492 87 --HGB1
Solid Lab control	11/14/16	D.082.540.CRA
Aqua Regia	6/17/14	HG-- 1492 89 --HGKAQ
Dilution acid	12/12/14	HG-- 1492 79 --HGD1
Digestion Tubes Lot	N/A	Envi Express - 1312222
Teflon Chips	N/A	Saint gobain. F7182G0022

Form: GN087A80-03
Rev. Date: 10/15/12

11.7.2 11

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
MP79902	6/6/2014	9:45	6/6/2014	1700	JB68594-22A	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp	
1	Start	5	405	B41	92	0	92	
1	End	5	405	NA	92	0	92	
2	Start							
2	End			NA				

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3050B	Digestion Block		M-54	1312222	

Sample ID	Bottle ID	Final Volume (ML)	Wet Weight (G)	Reagent Groups Added	Spike Groups Added	Comments
MP79902-MB1	N/A	100	0.98	ABCD		
MP79902-B1	N/A	100	0.95	ABCD	AB	
MP79902-S1	1	100	1.05	ABCD	AB	
MP79902-S2	1	100	1.04	ABCD	AB	
MP79902-SD1	1	100	0.99	ABCD		
JB68318-1	1	100	0.97	ABCD		
JB68318-10	1	100	1.03	ABCD		
JB68318-2	1	100	1.03	ABCD		
JB68318-3	1	100	1.04	ABCD		
JB68318-4	1	100	1.03	ABCD		
JB68318-5	1	100	1.03	ABCD		
JB68318-8	1	100	0.97	ABCD		
JB68318-9	1	100	0.98	ABCD		
JB68347-1R	1	100	1.44	ABCD		
JB68594-11A	1	100	1.05	ABCD		
JB68594-22A	1	100	0.99	ABCD		
JB68594-28A	1	100	1.00	ABCD		
JB68594-38A	1	100	0.97	ABCD		
JB68594-47A	1	100	0.99	ABCD		
JB68594-56A	1	100	1.04	ABCD		
JB68594-61A	1	100	0.96	ABCD		
JB68594-70A	1	100	1.04	ABCD		
JB68594-74A	1	100	1.05	ABCD		
JB68594-81A	1	100	1.04	ABCD		

Reagents Groups		
Group	Description	MLs Used
A	1:1 HNO3	10
B	CONC HNO3	5
C	30% H2O2	4
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups		
Group	Description	MLs Used
A	SP	2
B	MIN2	2
C		
D		
E		
F		
G		
H		

Comments: _____

Analyst GINAM Approved by Wendyz Approved on 6/6/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Soil Digestion Reagents Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79902
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-652 -SP
Spiking Solution - Mln. Spike	11/13/14	MP-013-650 -MIN2
Spiking Solution - Odd Spike	10/29/14	MP-013-647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	E Batch #0000050770 J.T. Baker
Nitric Acid (1:1)	12/4/14	MP-013-20-192 -HNO3 (1:1)
Hydrochloric Acid	05/2016 Cm	E Batch #0000060411 J.T. Baker
Hydrogen Peroxide	05/2016 Cm	Lot #: 142358 Mfg. Fisher Scientific
Lab Control	11/14/14	Lot #: D082-540 Mfg. ERA
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC009746 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. Environmental Express
Teflon Chips	N/A	Batch # F718-2G022 SAINT-GOBAIN

Form: AA014A-02
Rev. Date: 10/15/12

11.7.3 11

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
MP79919	6/9/2014	9:00	6/9/2014	15:00		

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	2	3	91	0	91
1	End	2	3	93	0	93
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
MP79919-MB1	N/A	N	50	50	A & B		
MP79919-B1	N/A	N	50	50	A & B	A,B,C	
JB64500-46	3	Y	50	50	A & B		
JB64500-48	2	Y	50	50	A & B		
JB68314-29	5	Y	50	50	A & B		
JB68318-6	3	Y	50	50	A & B		
JB68381-5	1	Y	50	50	A & B		
JB68458-4	3	Y	50	50	A & B		
JB68538-5	3	Y	50	50	A & B		
JB68539-5	1	Y	50	50	A & B		
JB68542-6	3	Y	50	50	A & B		
JB68561-6	5	Y	50	50	A & B		
JB68583-18	1	Y	50	50	A & B		
JB68611-11	3	Y	50	50	A & B		
JB68611-12	3	Y	50	50	A & B		
JB68611-13	3	Y	50	50	A & B		
MP79919-LC1	N/A	Y	50	50	A & B		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C	ODD	1
D		
E		
F		
G		
H		

Comments:

Analyst AMIRAHH **Approved by** Wendyz **Approved on** 6/10/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Aqueous Digestion Reagent Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79919

Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP - 013 - 655 -SP
Spiking Solution - Min. Spike	11/5/14	MP - 013 - 649 -MIN1
Spiking Solution - Odd Spike	10/29/14	MP - 013 - 647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016 AH 06/09/14	# 0000150770 74185 JT Baker
Nitric Acid (1:1)	12/4/14	MP - 013 - 20 - 192 -HNO3 (1:1)
Hydrochloric Acid	12/2/14	MP - 013 - 20 - 191 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	12/4/14	MP - ~~8~~ 151 - 115 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC009746 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. Environmental Express
pH Paper	N/A	Hydrion Paper 1 to 12, lot #228713

Form: AA014B-01
Rev. Date: 5/12/08

11.7.4 11

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: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB68318-1 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 319-PE-62

Wet Weight (Total)	33	g
Tare Weight	28.5	g
Dry Weight (Total)	30.44	g
Solids, Percent	43.1	%

Sample: JB68318-2 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 320-DUP-4

Wet Weight (Total)	35.73	g
Tare Weight	27.12	g
Dry Weight (Total)	30.98	g
Solids, Percent	44.8	%

Sample: JB68318-3 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 321-PE-61

Wet Weight (Total)	32.25	g
Tare Weight	25.26	g
Dry Weight (Total)	27.7	g
Solids, Percent	34.9	%

Sample: JB68318-4 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 322-PE-40

Wet Weight (Total)	38.06	g
Tare Weight	28.29	g
Dry Weight (Total)	32.3	g
Solids, Percent	41	%

Sample: JB68318-5 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 323-PE-63

Wet Weight (Total)	35.56	g
Tare Weight	30.4	g
Dry Weight (Total)	32.61	g
Solids, Percent	42.8	%

Sample: JB68318-8 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 326-PE-59

Wet Weight (Total)	30.37	g
Tare Weight	24.78	g
Dry Weight (Total)	26.33	g
Solids, Percent	27.7	%

Percent Solids Raw Data Summary

Job Number: JB68318
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB68318-9 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 327-PE-41

Wet Weight (Total)	28.28	g
Tare Weight	21.85	g
Dry Weight (Total)	23.61	g
Solids, Percent	27.4	%

Sample: JB68318-10 **Analyzed:** 06-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 328-PE-44

Wet Weight (Total)	31.6	g
Tare Weight	25.87	g
Dry Weight (Total)	27.45	g
Solids, Percent	27.6	%

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
042114-3:12266	JB68318-1.3	36.9100	40.4000	3.4900				NAB	
042114-3:11788	JB68318-1.4	35.2000	39.3000	4.1000				NAB	
042114-3:11790	JB68318-1.5	34.7800	39.2000	4.4200				NAB	
042114-3:12280	JB68318-10.3	37.0200	40.1700	3.1500				NAB	
042114-3:11925	JB68318-10.4	34.8500	38.5500	3.7000				NAB	
042114-3:11914	JB68318-10.5	34.8100	38.3700	3.5600				NAB	
042114-3:12352	JB68318-2.3	36.8500	39.9300	3.0800				NAB	
042114-3:11777	JB68318-2.4	35.2200	39.3000	4.0800				NAB	
042114-3:11842	JB68318-2.5	34.7900	39.1100	4.3200				NAB	
042114-3:12173	JB68318-3.3	37.0900	40.5200	3.4300				NAB	
042114-3:12081	JB68318-3.4	35.1500	39.3600	4.2100				NAB	
042114-3:12078	JB68318-3.5	34.9000	38.9300	4.0300				NAB	
042114-3:12317	JB68318-4.3	36.9400	40.5700	3.6300				NAB	
042114-3:11951	JB68318-4.4	34.8500	39.1000	4.2500				NAB	
042114-3:11947	JB68318-4.5	35.1900	39.4600	4.2700				NAB	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
042114-3:12207	JB68318-5.3	37.1400	40.9100	3.7700				NAB	
042114-3:12119	JB68318-5.4	35.0600	38.8300	3.7700				NAB	
042114-3:12120	JB68318-5.5	35.2100	39.3000	4.0900				NAB	
042114-3:12261	JB68318-8.3	36.7000	39.2700	2.5700				NAB	
042114-3:11864	JB68318-8.4	34.8600	38.0000	3.1400				NAB	
042114-3:11906	JB68318-8.5	35.2800	38.1200	2.8400				NAB	
042114-3:12282	JB68318-9.4	37.2900	40.1200	2.8300				NAB	
042114-3:11874	JB68318-9.4	35.3300	38.6800	3.3500				NAB	
042114-3:11912	JB68318-9.5	35.0200	38.0500	3.0300				NAB	